

## **PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT**

### **INDIAN BUSINESS PARK INDIAN STREET AND KRAMERIA AVENUE MORENO VALLEY, CALIFORNIA**

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**Farallon PN: 1071-007 (Task 6)**

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## EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (Phase I ESA) Report was prepared by Farallon Consulting, L.L.C. (Farallon) for the Indian Business Park property on Indian Street and Krameria Avenue in Moreno Valley, California (herein referred to as the Site).

This Phase I ESA Report was prepared for Prologis, Inc. (Prologis) in accordance with the Environmental Engagement Letter dated March 12, 2015. The scope of work for this Phase I ESA is consistent with ASTM International Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13). ASTM E1527-13 is intended to permit a user to satisfy the requirements to qualify for protection from potential liability under the Comprehensive Environmental Response, Compensation, and Liability Act as the innocent landowner, contiguous property owner, or bona fide prospective purchaser. ASTM E1527-13 constitutes “all appropriate inquiry” into the previous ownership, uses, and environmental conditions of a property consistent with good commercial or customary practice, as defined in Section 9601(35)(B) of Title 42 of the U.S. Code. There were no significant deviations from ASTM E1527-13 during the completion of this Phase I ESA. There were no limiting conditions or significant data gaps encountered during the completion of this Phase I ESA Report.

The purpose of this Phase I ESA was to identify, as practicable, recognized environmental conditions on the Site or proximate to the Site that have caused and/or may cause an adverse environmental condition. This Phase I ESA Report provides the results of investigation into past and present ownership and uses of the Site, consistent with good commercial and/or customary practice.

The Site consists of six noncontiguous parcels of land east and west of the Perris Valley Storm Drain (PVSD), west of Indian Street, south of Krameria Avenue, east of Heacock Street, and north of Cardinal Avenue in the city of Moreno Valley, Riverside County, California. The Site currently has no assigned address with local agencies. The Site is located at an approximate Latitude North 33.8782000 and Longitude West 117.2391000. According to the Riverside Assessor–County Clerk—Recorder Property Information Center database, the Site Parcel Nos. are 316-100-028, 316-100-030, 316-100-034, 316-100-048, 316-100-051, and 316-100-052 together totaling 89.86 acres.

The Site consists of approximately 90 acres, primarily flat vacant dirt-covered land with no structures or improvements. The concrete-lined PVSD bisects the irregular-shaped Site. For development purposes, the Site has been divided into four future building areas, identified as Lots 1 through 4. Lots 1 and 2 are located on four contiguous parcels (approximately 75 acres) adjacent to/east of the PVSD. Lot 4 (approximately 8 acres) and Lot 3 (approximately 6 acres) are located adjacent to/west of the PVSD, on parcels north and southeast, respectively, of two developed commercial properties. Access to the Site is gained from unpaved areas off Krameria



Avenue to the north, Indian Street to the east, Heacock Street to the west, and Cardinal Avenue to the southwest.

Based on Farallon's review of historical aerial photographs and topographic maps, the Site has consisted of undeveloped land, either vacant or used for agricultural activities, since at least 1938. The potential presence of agricultural chemicals in Site soil from historical agricultural activities is considered de minimis under a commercial setting, but soil should be appropriately managed during development of the Site.

At the time of the site reconnaissance, the Site consisted of undeveloped land covered with weeds. Farallon did not observe storage or handling of hazardous substances. No evidence of stained soil, stressed vegetation, fill material, aboveground or underground storage tanks, or significant chemical release was observed on the Site at the time of the site reconnaissance.

The Environmental Data Resources, Inc. (EDR) report prepared for the Site and Site vicinity did not identify the Site in any of the regulatory databases reviewed. The only facility in the vicinity of the Site identified in the EDR report was March Air Force Base (MAFB), which was listed on various regulatory databases for the known presence of volatile organic compounds (VOCs) in groundwater. MAFB is west-adjacent to Lot 4 and up-gradient with respect to groundwater flow. The Site is located within the MAFB groundwater plume, identified as Operable Unit #1, Site 7, which is listed as performing ongoing long-term groundwater monitoring, extraction, and treatment for a solvent groundwater plume. The Site is listed as restricted from residential use. Several groundwater monitoring wells are present on or proximate to the Site. Plume maps show that shallow groundwater beneath the Site, located greater than 100 feet below ground surface, is not impacted by constituents of concern, but underlying groundwater, referred to as the lower alluvium, contains low (at or less than 13 micrograms per liter) concentrations of VOCs. The known migration of VOCs in groundwater from the neighboring MAFB property to the Site represents a recognized environmental condition.

Farallon performed a Phase I ESA for the Indian Business Park property on Indian Street and Krameria Avenue in Moreno Valley, California in general conformance with the scope and limitations of ASTM E1527-13. This assessment revealed the known migration of VOCs in groundwater from the neighboring MAFB property to the Site as a recognized environmental condition in connection with the Site.

As requested by Prologis, Farallon has included additional opinions on recognized environmental conditions beyond those specified under ASTM E1527-13. Based on the low concentrations of VOCs reported proximate to the Site and the depth to groundwater of over 100 feet below ground surface, the presence of VOCs in groundwater is not anticipated to pose a concern to occupants of the Site under a commercial use.

This Executive Summary is presented for convenience only and should not be used in lieu of information presented in the entire Phase I ESA Report.



## 1.0 INTRODUCTION

This Phase I Environmental Site Assessment (Phase I ESA) Report was prepared by Farallon Consulting, L.L.C. (Farallon) for the Indian Business Park property on Indian Street and Krameria Avenue in Moreno Valley, California (herein referred to as the Site) (Figure 1). This section discusses the project purpose, scope of work, user reliance, deletions and deviations, limiting conditions, and data gaps, and the qualifications of the environmental professionals conducting and reviewing the Phase I ESA work.

This Phase I ESA Report was prepared for Prologis, Inc. (Prologis) (2015) in accordance with the Environmental Engagement Letter dated March 12, 2015. The scope of work for this Phase I ESA is consistent with ASTM International Standard E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM E1527-13).

### 1.1 PURPOSE

The purpose of the Phase I ESA was to identify, as practicable, recognized environmental conditions on the Site and within the appropriate study area that have caused and/or may cause an adverse environmental impact. ASTM E1527-13 is intended to permit a user to satisfy one of the requirements to qualify for protection from potential liability under the Comprehensive Environmental Response, Compensation, and Liability Act as the innocent landowner, contiguous property owner, or bona fide prospective purchaser. ASTM E1527-13 constitutes “all appropriate inquiry” into the previous ownership, uses, and environmental conditions of a property consistent with good commercial or customary practice, as defined in Section 9601(35)(B) of Title 42 of the U.S. Code.

The objective of the Phase I ESA was to perform an appropriate inquiry into past and present ownership and uses of the Site, consistent with good commercial and/or customary practice. The Phase I ESA Report is to be used as a risk management tool to meet all appropriate inquiry requirements and the Comprehensive Environmental Response, Compensation, and Liability Act liability defense. The Phase I ESA does not guarantee that there are no impacts to the Site.

For the purpose of this Phase I ESA Report, the term “recognized environmental condition” is defined as the presence or likely presence of any hazardous substance or petroleum product on the Site under conditions that indicate a past or existing release or material threat of release of any hazardous substance into a structure on the Site, or into the ground, groundwater, or surface water of the Site. The term is not intended to include de minimis conditions that generally would not be the subject of an enforcement action if brought to the attention of the appropriate governmental agencies.



## **1.2 SCOPE OF WORK**

This Phase I ESA Report has been prepared in accordance with the scope of work presented in ASTM E1527-13 and the Environmental Engagement Letter between Prologis (2015) and Farallon dated March 12, 2015. The Phase I ESA was performed in accordance with the *Master Services Agreement* between Prologis (2011) and Farallon dated August 4, 2011.

The scope of work for this Phase I ESA included a records review, literature research and review, a site reconnaissance, interviews with individuals familiar with the Site, interviews with local governmental officials, and preparation of this Phase I ESA Report.

## **1.3 USER RELIANCE**

This Phase I ESA Report has been prepared for use solely by Prologis, and shall not be relied upon by or transferred to any other party, or used for any other purpose, without the express written authorization of Farallon.

## **1.4 DELETIONS AND DEVIATIONS**

It was the intent of the Phase I ESA to make all appropriate inquiry into the previous ownership and uses of the Site consistent with good commercial or customary practice. It is the intent of this Phase I ESA Report to permit Prologis to satisfy one of the requirements to qualify for the innocent landowner defense to Comprehensive Environmental Response, Compensation, and Liability Act liability. This Phase I ESA did not deviate from the general requirements set forth in ASTM E1527-13, U.S. Environmental Protection Agency (EPA) all appropriate inquiry.

## **1.5 LIMITING CONDITIONS**

No limiting conditions were encountered during completion of this Phase I ESA.

## **1.6 DATA GAPS**

Data gaps may affect the ability to identify recognized environmental conditions and Farallon's ability to render opinions and conclusions for presentation in the Phase I ESA Report. Farallon did not encounter significant data gaps during the completion of this Phase I ESA.

## **1.7 PROFESSIONAL QUALIFICATIONS**

The Phase I ESA was conducted by Mr. Kevin Sheridan, and was reviewed and approved by Mr. Scott Allin and Ms. Tina Huff. All are environmental professionals with the specific education, training, and experience to qualify them to assess a property of the nature, history, and setting of the Site. Messrs. Sheridan and Allin and Ms. Huff have an understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions, and the ability to develop opinions regarding conditions indicative of a release or threatened release of hazardous substances and petroleum products. These environmental professionals have



developed and performed all appropriate inquiry, in conformance with the standards and practices set forth in Part 312 of Title 40 of the Code of Federal Regulations. The professional qualifications of Messrs. Sheridan and Allin and Ms. Huff are provided in Appendix A.



## **2.0 SITE DESCRIPTION**

This section provides an overview of the Site, including its legal description, improvements, owner, zoning, utilities, and current use.

### **2.1 LEGAL DESCRIPTION**

The Site consists of six noncontiguous parcels of land east and west of the Perris Valley Storm Drain (PVSD), west of Indian Street, south of Krameria Avenue, east of Heacock Street, and north of Cardinal Avenue in the city of Moreno Valley, Riverside County, California. The Site currently has no assigned address with local agencies. The Site is located at an approximate Latitude North 33.8782000 and Longitude West 117.2391000. According to the Riverside Assessor–County Clerk—Recorder (2015) Property Information Center database, the Site Parcel Nos. are 316-100-028, 316-100-030, 316-100-034, 316-100-048, 316-100-051, and 316-100-052, together totaling 89.86 acres.

### **2.2 SITE IMPROVEMENTS**

The Site consists of approximately 90 acres, primarily flat vacant dirt-covered land with no structures or improvements. The concrete-lined PVSD bisects the irregular-shaped Site. For development purposes, the Site has been divided into four future building areas, identified as Lots 1 through 4. Lots 1 and 2 are located on four contiguous parcels (approximately 75 acres) adjacent to/east of the PVSD. Lot 4 (approximately 8 acres) and Lot 3 (approximately 6 acres) are located adjacent to /west of the PVSD, on parcels north and southeast, respectively, of two developed commercial properties. The lots are outlined on Figure 2. Access to the Site is gained from unpaved areas off Krameria Avenue to the north, Indian Street to the east, Heacock Street to the west, and Cardinal Avenue to the southwest.

Figure 2 presents a plan map of the Site. Additional details pertaining to the Site are provided in Section 6.2, Site Features. Site photographs are presented in Appendix B.

### **2.3 SITE OWNER**

Farallon did not obtain a chain-of-title report for this Phase I ESA. According to the interviewed Site representative, the Site is owned primarily by Moorpark County Regency Inc., who purchased the Site in the 1980s (Farallon 2015).

### **2.4 ZONING**

According to a prior assessment of the Site prepared by Farallon (2014), the Site is zoned SP - 208i, Specific Plan Industrial zone. With the exception of the residential land across Indian Street to the east, all adjacent sites also are zoned SP – 208i for industrial uses.



## **2.5 UTILITIES**

No utilities are currently provided to the Site. Utility main lines are present in adjacent roadways, and power poles are present along major roads. Electricity is provided to the area by Moreno Valley Electric Utility and Southern California Edison (SCE). Water and sewer are provided to the area by the Eastern Municipal Water District. Natural gas is provided to the area by The Gas Company. Trash Service is supplied to the area by Waste Management of Inland Valley.

## **2.6 CURRENT USE**

The Site consisted of unoccupied graded land covered with weeds at the time of the site reconnaissance.



### **3.0 REGIONAL DESCRIPTION**

The physical setting of the Site, including topography, surface water, flood plains, geology, and hydrogeology, is described in this section. Properties surrounding the Site also are discussed.

#### **3.1 TOPOGRAPHY**

Farallon reviewed the U.S. Geological Survey (USGS) topographic map for Sunnymead, California from Environmental Data Resources, Inc. (EDR) (2014b). The map depicts the Site as relatively flat terrain, sloping gently down to the south/southeast, at an elevation of approximately 1,486 feet above mean sea level.

#### **3.2 SURFACE WATER**

According to topographic maps reviewed during this Phase I ESA, the nearest surface water body is the PVSD, which bisects the Site, as previously described in Section 2.2, Site Improvements (EDR 2014b)

#### **3.3 FLOOD PLAINS**

According to EDR (2015), the Site is in 100- and 500-year floodplains, the 100-year floodplain being located along the adjacent PVSD (FEMA Map panel #06065C).

#### **3.4 GEOLOGY**

The Site is at the northern end of the Peninsular Ranges of southern California, northeast of the Los Angeles Basin. This Site area is in the western portion of the Perris Valley on the northern end of a broad alluvial plain (Perris Plain), which extends from the south side of the San Bernardino Mountains. The Site is south of the Box Springs Mountains and west of the Lake Perris State Recreation Area in a relatively flat valley floor that gently dips to the south toward the San Jacinto River.

According to USGS (1963), the Site is underlain by Quaternary (recent) alluvium and alluvial fan deposits that were deposited on Pleistocene through Pliocene alluvium over granitic bedrock. This general area is structurally complex, with a series of northerly plunging folds and northwest-trending faults primarily from the San Andreas and San Jacinto Fault Zones. According to Farallon (2014), the Site is not in a fault-ruptured hazard zone, as defined in the Alquist-Priolo Earthquake Fault Zoning Act.

The soils in the Site vicinity are mapped by the U.S. Department of Agriculture (USDA) Soil Conservation Service (1980) in the Exeter and Hanford Series mapping unit as well-drained, nearly level soils (0 to 15 percent slopes) on long broad alluvial fans. These soils are described as fine sand and loamy sand to approximately 60 inches below ground surface (bgs). According



to the USDA Soil Conservation Service (1980), these soils are used principally for growing grapes, alfalfa, plants, and some citrus, and for pasture.

### **3.5 HYDROGEOLOGY**

No water wells were observed on the Site during the site reconnaissance. Farallon observed several groundwater monitoring wells on adjacent properties, as shown on Figure 2. In addition, numerous groundwater extraction wells are present on the west side of Heacock Street, west of Lot 4. These groundwater monitoring and extraction wells are associated with releases from the neighboring March Air Force Base (MAFB) property to the west/northwest. According to EDR (2015), two water wells are present within 1 mile of the Site, both of which are USGS wells approximately 0.50 mile east and southeast of the Site. No well depth was reported.

According to Farallon (2014), all potable water supplied to this area is obtained from deep groundwater wells in the underlying Perris North Groundwater Basin. According to the GeoTracker Database website (State of California Water Resources Control Board (2015), groundwater in the Site vicinity occurs at a depth of approximately 100 to 150 feet bgs, and flows to the south/southeast.

Areas of groundwater contamination originating from the MAFB property have been identified in the region, including beneath the Site. The chemical impact includes primarily carbon tetrachloride, tetrachloroethene, and trichloroethene. MAFB currently performs groundwater extraction and aboveground treatment to clean contaminated groundwater. According to AECOM Technical Services, Inc. (AECOM) (2014), the Site is within the MAFB groundwater plume, identified as Operable Unit #1, Site 7, which is listed as performing ongoing long-term groundwater monitoring, extraction, and treatment for a solvent groundwater plume. EPA (2015b) also lists the Site area as restricted from residential use.

### **3.6 SURROUNDING PROPERTIES**

The Site is bordered by the following properties:

- Vacant undeveloped land and Krameria Avenue to the north, followed by a vacant lot, Cosmos Avenue, and a newly completed large industrial building identified as “P&G.” Single-family residences are present to the northeast.
- Indian Street, followed by single-family residences and a vacant plot of land to the east.
- The PVSD and Cardinal Avenue, followed by two large newly completed industrial properties occupied by Amazon to the south. O’Reilly Auto Parts is to the southeast.
- The PVSD, followed by the Moreno Valley Coastal Holdings facility and Cardinal TG to the west. Heacock Street borders the northwestern portion of the Site. Further west is MAFB and March Inland Public Airport.



Farallon observed evidence of monitoring wells on adjacent properties and roadways, which have been identified as part of MAFB groundwater investigations and remediation. The monitoring wells are further discussed in Section 7.1.2, Surrounding Property Listings. No visual evidence of recognized environmental conditions was observed on adjacent or nearby properties during the site reconnaissance, with the exception of MAFB, discussed in Section 7.1.2, Surrounding Property Listings.



## **4.0 USER-PROVIDED INFORMATION**

Farallon understands that the user of this Phase I ESA Report, Prologis, is seeking to follow the standards set forth in ASTM E1527-13 to complete an environmental assessment of the Site. The user has specific responsibilities for fulfilling ASTM E1527-13 requirements to help identify the possibility of recognized environmental conditions in connection with the Site. These responsibilities do not require the technical expertise of an environmental professional, and were not performed by the environmental professional who completed the Phase I ESA at the Site.

To facilitate fulfillment of the ASTM E1527-13 requirements identified below, Farallon (2015) provided Prologis with a copy of the *Phase I Environmental Site Assessment User Questionnaire* (User Questionnaire) to complete. The completed User Questionnaire is provided in Appendix C of this Phase I ESA Report.

### **4.1 TITLE AND LIEN RECORDS**

Prologis was requested to engage a title company or title professional to undertake a review of reasonably ascertainable recorded land title records and lien records for environmental liens or activity and use limitations currently recorded against or relating to the Site.

According to Prologis representative, Ms. Janet Frentzel, environmental liens or environmental use limitations are not known to exist for the Site (Farallon 2015). However, according to EPA (2015b), the Site is located within the MAFB groundwater plume and is restricted from residential use.

### **4.2 EXPERIENCE AND SPECIALIZED KNOWLEDGE**

Prologis is responsible for providing information based on experience and/or specialized knowledge that is material to recognized environmental conditions in connection with the Site. Prologis is responsible for communicating to Farallon during the completion of the Phase I ESA any information based on such experience and/or specialized knowledge.

Prologis representative Ms. Frentzel indicated that she has no experience or specialized knowledge material to recognized environmental conditions in connection with the Site (Farallon 2015).

### **4.3 VALUATION**

In a transaction involving the purchase of a parcel of commercial real estate, the purchaser is to assess the relationship of the purchase price of the Site to the fair market value of the Site if the Site was not affected by hazardous substances or petroleum products. Farallon requested Prologis to provide an explanation for a lower purchase price that does not reasonably reflect fair market value if the Site was not contaminated, and to provide a written record of such explanation.



According to Prologis representative, Ms. Frentzel, the property valuation was not below fair market value for environmental reasons at the time of completion of the questionnaire (Farallon 2015).

#### **4.4 COMMONLY KNOWN INFORMATION**

If the user is aware of Site information that is commonly known or reasonably ascertainable within the local community that is material to a recognized environmental condition in connection with the Site, it is the user's responsibility to communicate that information to Farallon. Farallon requested that Prologis provide information for the Site that is commonly known or reasonably ascertainable. Prologis provided general property improvement information and Site boundaries.

#### **4.5 PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT USERS**

Farallon requested that Prologis provide a list of the users that may rely on this Phase I ESA Report. Prologis is the only user of this Phase I ESA Report.



## 5.0 SITE AND REGIONAL HISTORY

Farallon reviewed the following historical sources during completion of this Phase I ESA. Farallon also obtained additional historical information regarding the Site and adjacent properties from a previous Phase I ESA report prepared by Farallon (2014).

### 5.1 AERIAL PHOTOGRAPHS

Farallon reviewed aerial photographs of the Moreno Valley, California area dated 1938, 1953, 1967, 1977, 1989, 1994, 2002, 2005, 2006, 2009, 2010, and 2012 obtained from EDR (2014c). Copies of the aerial photographs are provided in Appendix D. Information obtained from the review of aerial photography is summarized below.

**1938 and 1953:** The 1938 and 1953 aerial photographs showed the Site and adjacent properties in all directions as undeveloped land, either vacant or used for agricultural activities. A stream bed was shown meandering through the western/southwestern portion of the Site generally where the PVSD currently exists. The only existing roads appeared to be several unpaved roads: one along the eastern property line where Indian Street currently exists, one along the western property line where Heacock Street exists, and another along the southern property line where Cardinal Avenue and the PVSD exist. Only a few residences or farm-related structures were seen in the surrounding area.

**1967 and 1977:** The 1967 and 1977 aerial photographs showed the Site and adjacent properties in all directions as undeveloped land used for agricultural activities. The former stream bed was replaced by the current PVSD. Heacock Street appeared paved. A small structure or pond was present on the Site near the center of the eastern property line.

**1989 and 1994:** The 1989 and 1994 aerial photographs showed the Site and adjacent properties to the north, south, and west as undeveloped land used for agricultural activities. The small structure or pond formerly along the eastern property line was no longer present. Indian Street was paved, and adjacent properties across Indian Street to the east were occupied by some of the current single-family residences, or were vacant in preparation for development. A few larger commercial or industrial structures were present farther north. No other significant changes from previous photographs were noted.

**2002 and 2005:** The 2002 and 2005 aerial photographs showed the Site and adjacent properties to the north, south, and west as undeveloped land consisting of a combination of vacant land and land used for agricultural activities. An industrial building was present to the southwest. Indian Street was paved, across which was increased single-family residential development. No other significant changes from previous photographs were noted.

**2006:** The 2006 aerial photograph showed the Site and adjacent properties to the north and south as undeveloped land consisting of a combination of vacant land and land used for agricultural activities. The current distribution facility along Heacock Street south of Lot 4 was developed.



Single-family residential developments continued to replace vacant or agricultural land beyond Indian Street to the east. No other significant changes from previous photographs were noted.

**2009 to 2012:** The 2009 to 2012 aerial photographs showed the Site and adjacent properties to the north and south as undeveloped land consisting of a combination of vacant land and land used for agricultural activities. The O'Reilly's Auto Parts building was present to the southeast. The PVSD was seen in its current configuration (wider than in previous photographs and without water). No other significant changes from previous photographs were noted.

Based on Farallon's review of aerial photographs, the Site has been undeveloped vacant or agricultural land from at least 1938 through 2012. A stream bed meandered through the western/southwestern portion of the Site near the location of the current adjacent PVSD. From at least 1967 to 1977, a small structure or pond was present on the Site near the center of the eastern property line, which was no longer present by 1989. No recognized environmental conditions were identified during the review of aerial photographs. The potential presence of agricultural chemicals in Site soil from historical agricultural activities is considered de minimis under a commercial setting, but soil should be appropriately managed during development of the Site.

## 5.2 TOPOGRAPHIC MAPS

Farallon reviewed USGS Topographic Maps of Sunnymead, California for the years 1901, 1943, 1953, 1967, 1973, 1979, and 1980 obtained from EDR (2014b). Copies of the topographic maps are included in Appendix D. Information obtained from the review of topographic maps is summarized below:

- **1901:** The 1901 topographic map depicted the general area of the Site and surrounding properties as undeveloped. A few roads or railroads were present in the surrounding area, with occasional small structures (residences) scattered along them.
- **1943 and 1953:** The 1943 and 1953 topographic maps depicted the Site as undeveloped vacant land with an unidentified small stream meandering through the western/southwestern portion of the Site and southwest-adjacent sites. Heacock Street and Indian Street were depicted along the western and eastern property lines, respectively. MAFB was shown to the west, beyond Heacock Street. The adjacent and surrounding area was depicted as undeveloped, with the exception of scattered small structures, mostly along Indian Street and Perris Boulevard to the east.
- **1967 and 1973:** The 1967 and 1973 topographic maps depicted the Site and adjacent properties as vacant undeveloped land. The PVSD was shown along the southern and western property lines. No other significant changes from the previous maps were noted.
- **1979 and 1980:** The 1979 and 1980 topographic maps depicted the Site and adjacent properties unchanged from the 1967 and 1973 maps. A small increase in development in the surrounding area was shown, including a mixture of residential streets and structures



to the east and farther north, and industrial structures on the MAFB property to the west and northwest.

The topographic map observations were relatively consistent with those from the aerial photographs, and no recognized environmental conditions were identified on the topographic maps reviewed.

### **5.3 SANBORN MAPS**

A search for Sanborn Fire Insurance Maps resulted in notification that there was no coverage for the Site EDR (2014a).

### **5.4 CITY DIRECTORIES**

According to a City Directory Image Report obtained from EDR (2014d), historical listings for adjacent properties on the 17000 block of Indian Street began in 1985 and consisted primarily of residential developments. Listings for adjacent properties (northeast) on the 25000 block of Krameria Avenue began in 2003 and consisted primarily of listings for schools, with some residential listings. Similar listings for these streets were present in subsequent directories. No listings of environmental concern, such as gas stations or dry cleaners, were noted for adjacent properties on Indian Street.

### **5.5 HISTORICAL SITE OCCUPANTS**

According to historical documents reviewed during this Phase I ESA, the Site has no history of development, and no historical occupants of the Site were identified during this Phase I ESA.

### **5.6 HISTORICAL SITE OWNERSHIP**

Farallon did not obtain a chain-of-title report, and no historical Site ownership information was obtained during this Phase I ESA.

### **5.7 PRIOR ASSESSMENTS**

Farallon (2014) performed a previous Phase I ESA for Lot 1, described as approximately 65.5 acres of land. At the time of the previous Phase I ESA, the Site was undeveloped land. The findings from the 2014 Phase I ESA were consistent with the findings of this Phase I ESA.



## **6.0 INTERVIEWS AND SITE INSPECTION**

### **6.1 INTERVIEWS**

Farallon conducted interviews with individuals familiar with the Site, and contacted relevant local governmental agencies to obtain additional Site information. The responses from the parties contacted are provided below.

#### **6.1.1 Interview with Owner/Representative**

Farallon was not provided access to interview an owner representative during this Phase I ESA. During the Phase I ESA of Lot 1 performed by Farallon in 2014, Farallon interviewed Mr. Russell Muranaka, Property Manager of the Site and owner representative, on May 28, 2014. At that time, Mr. Muranaka stated that he has not been made aware of any pending, threatened, or past:

- Litigation relevant to hazardous substances or petroleum products in, on, or from the Site;
- Administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Site; or
- Notices from a governmental entity regarding violations of environmental laws or liability relating to hazardous substances or petroleum products.

#### **6.1.2 Interview with Operations Manager**

At the time of the site reconnaissance, the Site consisted of a vacant undeveloped and unpaved dirt lot covered with weeds. The Site does not have an Operations Manager to interview.

### **6.2 SITE FEATURES**

Farallon conducted a site reconnaissance on March 16, 2015 to observe the Site for physical evidence of recognized environmental conditions. The methodology used for the site reconnaissance and the observations made during the reconnaissance are discussed below. A description of the Site is provided in Section 2.2, Site Improvements. Photographs taken during the site reconnaissance are presented in Appendix B.

### **6.3 SITE INSPECTION METHODOLOGY**

Farallon completed a walk around the perimeter and throughout the Site, and inspected accessible areas. No limiting conditions were encountered during the inspection.



## 6.4 SITE INSPECTION OBSERVATIONS

Weather conditions at the time of the reconnaissance were overcast, with a temperature of approximately 88 degrees Fahrenheit. There were no weather-related access restrictions encountered during the site reconnaissance.

### 6.4.1 Interior Observations

Because the Site is undeveloped, Farallon's site reconnaissance did not include interior observations.

### 6.4.2 Exterior Observations

Farallon's observations of the exterior of the Site during the site reconnaissance are documented in the table below. Comments pertaining to notable exterior observations follow.

EXTERIOR OBSERVATIONS	YES	NO
Odor		X
Staining and/or Corrosion		X
Storage Tank(s), Vent Pipe(s), and/or Fuel Port(s)		X
Drum(s) and/or Other Container(s)		X
Pool(s) of Liquid		X
Hazardous Material(s) and/or Petroleum Product(s)		X
Hazardous Waste		X
Pit(s), Pond(s), and/or Lagoon(s)		X
Stressed Vegetation		X
Solid (Non-Hazardous) Waste—Evidence of Dumping	X	
Wastewater		X
Domestic Water		X
Water Well(s)		X
Septic/Sewer System		X
Stormwater		X



<b>EXTERIOR OBSERVATIONS</b>	<b>YES</b>	<b>NO</b>
Air Emissions		X
Potential Polychlorinated Biphenyl (PCB)-Containing Equipment		X
Significant Amount of Fill Material		X

### **6.4.3 Exterior Observation Comments**

#### **Solid (Non-Hazardous) Waste—Evidence of Dumping**

Farallon observed tires, construction debris, and minor trash in debris piles and scattered throughout the Site, primarily on Lot 1. These waste materials appeared to be non-hazardous solid wastes and are considered a de minimis condition for the Site.



## 7.0 ENVIRONMENTAL RECORD REVIEW

EDR (2015) performed a review of environmental regulatory agency database listings to identify reported environmental issues related to the Site and facilities in the Site vicinity. Farallon used the greater of each approximate minimum search distance from the Site for each of the referenced federal and state environmental databases, as specified in ASTM E1527-13. The descriptions of the databases searched and the associated search distances from the Site are presented in The EDR (2015) Radius Map Report with GeoCheck prepared for the Site dated March 15, 2015 (EDR report), provided in Appendix E.

Farallon reviewed the results of the EDR report to note reported facilities in the vicinity of the Site that were considered to have a potential to adversely impact the Site (i.e., are known to have resulted in or are expected to result in a recognized environmental condition). Reported facilities identified in the EDR report were evaluated with respect to the nature and extent of a given release, the distance of the reported facility from the Site, the stratigraphy of soils, the expected soil permeability, and the topographic position of a reported facility with respect to known or expected local and/or regional groundwater flow direction. Shallow groundwater flow in the region has been documented to the south-southeast.

### 7.1 FEDERAL AND STATE DATABASE REVIEW

A summary of the databases identified in the EDR report is presented in the following table. A discussion of the facilities follows.


Type of Database <sup>1</sup>	Number of Listings in Specified Search Radius			
	Site and Adjacent	0.125 to 0.25 mile from Site	0.25 to 0.5 mile from Site	0.5 to 1 mile from Site
National Priority List (NPL)	0	0	1	0
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)/Federal Facility	0	0	1	0
National CERCLIS/No Further Remedial Action Planned (NFRAP)	0	0	0	0
CORRACTS	0	0	0	0
Resource Conservation and Recovery Act (RCRA) Corrective Action Treatment, Storage, and Disposal Facility (TSDF)	0	0	0	0
RCRA Generators: Small Quantity Generator (SQG); Large Quantity Generator (LQG); Conditionally Exempt Small Quantity Generator (CESQG); Non-Generator / No Longer Reportable (NonGen / NLR)	0	0	1	
US Engineering Controls/Institutional Controls	0	0	1	0
Emergency Response Notification System (ERNS)	0			



Type of Database <sup>1</sup>	Number of Listings in Specified Search Radius			
	Site and Adjacent	0.125 to 0.25 mile from Site	0.25 to 0.5 mile from Site	0.5 to 1 mile from Site
CA Response	0	0	0	1
CA EnviroStor	0	0	0	3
Local Solid Waste, Landfills, and Recycling facility databases (SWF/LF, WMUDS/SWAT, SWRCY)	0	0	0	
CA Leaking Underground Storage Tanks (LUSTs)	0	0	6	
Statewide Spills, Leaks, Investigations and Cleanup (SLIC)	0	0	0	
CA Underground Storage Tank (UST)	0	0	0	
CA Aboveground Storage Tank (AST)	0	0	0	
Voluntary Cleanup Program (VCP)	0	0	0	0
US Brownfields	0	0	0	0
California Facility Inventory Database (FID) UST	0	0	0	
Historical UST (HIST UST)	0	0	0	
Statewide Environmental Evaluation and Planning System (SWEEPS) UST	0	0	0	
CA Hazardous Material Incident Report System (CHMRIS)	0			
CA Land Disposal Site (LDS)	0			
CA Military Cleanup Site (MCS)	0			
Toxic Chemical Release Inventory System (TRIS)	0			
Material Licensing Tracking System (MLTS)	0			
Facility Index System/Facility Registry System (FINDS)	0			
CA National Pollution Discharge Elimination System (NPDES)	0			
CA Hazardous Waste & Substance List (Cortese)	0	0	0	0
CA Historic Cortese	0	0	0	
CA Enforcement Action List (ENF)	0			
CA Facility and Manifest Data (HAZNET)	0			
CA Emissions Inventory Data (EMI)	0			
CA EnviroStor Permitted (HWP)	0	0	0	0
Recovered Government Archive LUST	0	0	0	0
Waste Discharge Systems (WDS)	0			

**NOTES:**

<sup>1</sup>See Appendix E for the complete EDR report and maps identifying the facilities summarized above, including a description of each database reviewed.

 Shaded areas not searched.

### 7.1.1 Site Listings

The Site was not identified in any of the reviewed databases.



### **7.1.2 Surrounding Property Listings**

Reported facilities within 0.25 mile up-gradient or 0.125 mile cross-gradient or adjacent down-gradient of the Site are considered to have a potential to have impacted the Site. Facilities that were listed in the database search report but not identified as a reported release facility (e.g., a facility listed as a hazardous waste generator but not as having had a release) and facilities that were listed as “closed” were not considered to have a potential to have impacted the Site, unless existing on an adjacent property.

One release property proximate to the Site, MAFB, was identified in the EDR report. MAFB is west-adjacent to Lot 4, up-gradient with respect to groundwater flow. EDR identified MAFB in the NPL, CERCLIS, RCRA-LQG, US ENG CONTROLS, US INST CONTROL, CA RESPONSE, EnviroStor, LUST, HIST CALSITES, DOD, ROD, CA BOND EXP. PLAN, and CA NOTIFY 65 databases. These database listings relate to releases that have impacted groundwater in the region. The primary constituents of concern in groundwater are volatile organic compounds (VOCs).

According to AECOM (2014), the Site is located within the MAFB groundwater plume, identified as Operable Unit #1, Site 7, which is listed as performing ongoing long-term groundwater monitoring, extraction, and treatment for a solvent groundwater plume. EPA (2015b) lists the Site area as restricted from residential use.

According to the AECOM (2013), several groundwater monitoring wells are present on or proximate to the Site. Plume maps in the AECOM (2013) report show that shallow groundwater beneath the Site, located greater than 100 feet bgs, is not impacted by constituents of concern, but underlying groundwater, referred to as the lower alluvium, contains low (at or less than 13 micrograms per liter) concentrations of VOCs. Copies of select figures from the AECOM (2013) report showing monitoring well locations and VOCs in groundwater are included in Appendix F.

The known migration of VOCs in groundwater from the neighboring MAFB property to the Site represents a recognized environmental condition.

### **7.1.3 Orphan Facilities**

EDR did not identify any facilities as “orphan sites,” facilities that EDR was unable to map due to inaccurate or inadequate address information.

## **7.2 LOCAL AGENCY REVIEW**

Local agency file reviews are performed by site address. Based on the absence of an address for the Site, as confirmed by Prologis (Farallon 2015) and by review of the Riverside Assessor–County Clerk–Recorder (2015) website, local agency file reviews with the City of Moreno Valley Building and Safety Department or the Riverside County Fire Department are not



practical. The findings from Farallon's review of online State regulator database maps are provided below.

### **7.2.1 GeoTracker Database**

On March 13, 2015, Farallon reviewed the GeoTracker online database maintained by the State of California Water Resources Control Board (2015) for releases associated with the Site and surrounding properties. A search of the GeoTracker database maps did not identify listings for the Site or adjacent properties, with the exception of the MAFB property, as summarized in Section 7.1.2, Surrounding Property Listings.

### **7.2.2 EnviroStor Database**

On March 13, 2015, Farallon reviewed the EnviroStor online database maintained by the California Department of Toxic Substance Control (2015) for releases associated with the Site and surrounding properties. A search of the EnviroStor database maps did not identify listings for the Site or adjacent properties, with the exception of the MAFB property.

### **7.2.3 ECHO Database**

On March 13, 2015, Farallon reviewed the Enforcement and Compliance History (ECHO) online database maintained by EPA (2015a) for listings associated with the Site and surrounding properties. A search of the ECHO database maps did not identify listings for the Site or adjacent properties.



## **8.0 SUPPLEMENTAL CONSIDERATIONS**

At the request of Prologis, Farallon conducted environmental services in addition to those specified in ASTM E1527-13. These services are considered non-scope items and are not required to satisfy ASTM E1527-13.

### **8.1 WETLANDS**

Wetlands are jointly defined by EPA and the U.S. Army Corps of Engineers as “those areas that are inundated or saturated by surface or groundwater for a duration and frequency sufficient to support and under normal circumstances do support a prevalence of vegetation adapted for life in saturated soil conditions.” Farallon did not observe suspect wetlands vegetation on the Site. According to EDR (2015), no designated national wetlands areas are within 1 mile of the Site.

### **8.2 ASBESTOS**

In June 1978, EPA initiated a ban on the use of asbestos-containing material in spray application products such as structural fireproofing and acoustic ceilings, pipe lagging, joint compounds, and spackles. No structures were identified on the Site that may contain asbestos.

### **8.3 LEAD-BASED PAINT**

In 1978, EPA initiated a ban on the manufacture and use of lead-based paints. During Farallon’s site reconnaissance, no painted surfaces were observed. No structures were identified on the Site that may contain lead-based paint.

### **8.4 LEAD IN DRINKING WATER**

Water is not plumbed to the Site.

### **8.5 RADON**

Radon is a colorless, tasteless, radioactive gas with an EPA-specified action level of 4.0 picocuries per liter (pCi/L) of air. Radon gas has a short half-life of 3.8 days. The health risk potential of radon is associated with its rate of accumulation within confined areas, particularly those near or in the ground such as basements, where vapors can readily transfer from the ground to indoor air through foundation cracks or other pathways.

According to EDR (2015), the Site is located in Radon Zone 2, with predicted average indoor screening levels below 2.0 and 4.0 pCi/L. The EPA zone designation reflects the average short-term radon measurement that can be expected to be measured in a building without implementation of radon-control methods. Based on the EPA designation and the absence of structures on the Site, radon gas is not expected to pose an environmental concern to Site occupants.



## **8.6 WATER INTRUSION**

No structures were located on the Site. Therefore, no areas of water intrusion were observed by Farallon.



## 9.0 FINDINGS AND OPINIONS

There were no significant deviations from ASTM E1527-13, and no significant limiting conditions were encountered during the completion of this Phase I ESA.

Farallon did not encounter significant data gaps during the completion of this Phase I ESA.

At the time of the site reconnaissance, the Site consisted of undeveloped land covered with weeds. Farallon did not observe storage or handling of hazardous substances. No evidence of stained soil, stressed vegetation, fill material, ASTs, USTs, or significant chemical release was observed on the Site at the time of the site reconnaissance.

Based on Farallon's review of historical aerial photographs and topographic maps, the Site has consisted of undeveloped land, either vacant or used for agricultural activities, since at least 1938. The potential presence of agricultural chemicals in Site soil from historical agricultural activities is considered de minimis under a commercial setting, but soil should be appropriately managed during development of the Site.

The Site was not identified in regulatory agency databases searched for this Phase I ESA.

One release property proximate to the Site was identified in the EDR report. MAFB is west-adjacent to Lot 4, up-gradient with respect to groundwater flow. EDR identified MAFB in the NPL, CERCLIS, RCRA-LQG, US ENG CONTROLS, US INST CONTROL, CA RESPONSE, EnviroStor, LUST, HIST CALSITES, DOD, ROD, CA BOND EXP. PLAN, and CA NOTIFY 65 databases. These database listings relate to releases that have impacted groundwater in the region. The primary constituents of concern in groundwater are VOCs. According to AECOM (2014), the Site is located within the MAFB groundwater plume, identified as Operable Unit #1, Site 7, which is listed as performing ongoing long-term groundwater monitoring, extraction, and treatment for a solvent groundwater plume. EPA (2015b) also listed the Site area as restricted from residential use. According to AECOM (2013), several groundwater monitoring wells are present on or proximate to the Site. Plume maps in the AECOM (2013) report show that shallow groundwater beneath the Site, located greater than 100 feet bgs, is not impacted by constituents of concern, but underlying groundwater, referred to as the lower alluvium, contains low (at or less than 13 micrograms per liter) concentrations of VOCs. The known migration of VOCs in groundwater from the neighboring MAFB property to the Site represents a recognized environmental condition.

As requested by Prologis, Farallon has included in this Phase I ESA Report, additional opinions on recognized environmental conditions or notable conditions beyond those specified in ASTM E1527-13. Based on the low concentrations of VOCs reported in the AECOM (2013) report and the depth to groundwater of over 100 feet bgs, the presence of VOCs in groundwater is not anticipated to pose a concern to occupants of the Site under a commercial use.



## 10.0 CONCLUSIONS

Farallon performed a Phase I ESA for the Indian Business Park property on Indian Street and Krameria Avenue in Moreno Valley, California in general conformance with the scope and limitations of ASTM E1527-13. This assessment revealed the known migration of VOCs in groundwater from the neighboring MAFB property to the Site as a recognized environmental condition in connection with the Site.

As requested by Prologis, Farallon has included additional opinions on recognized environmental conditions or notable conditions beyond those specified in ASTM E1527-13. Based on the low concentrations of VOCs reported proximate to the Site and the depth to groundwater of over 100 feet bgs, the presence of VOCs in groundwater is not anticipated to pose a concern to occupants of the Site under a commercial use.



## 11.0 REFERENCES

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## 12.0 STATEMENT OF LIMITATIONS

The conclusions and recommendations contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location, and are subject to the following inherent limitations:

- **Accuracy of Information.** Certain information used by Farallon in this report/assessment has been obtained, reviewed, and evaluated from various sources believed to be reliable, including the previously discussed interviews and local fire and health departments. Although Farallon's conclusions, opinions, and recommendations are based in part on such information, Farallon's services did not include verification of its accuracy or authenticity. Should such information prove to be inaccurate or unreliable, Farallon reserves the right to amend or revise its conclusions, opinions, and/or recommendations.
- **Reconnaissance.** Farallon performed a reconnaissance of the Site that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions, while other areas received limited attention, or were inaccessible at the time of the reconnaissance.
- **Limitations.** Because Farallon's report is based on information, the accuracy of which has not been determined, and because Farallon's observations made during site reconnaissance are limited, Farallon cannot and does not guarantee that the Site is free of hazardous or potentially hazardous materials or conditions, or that latent or undiscovered conditions will not become evident in the future. Since Site activities beyond Farallon's control could change at any time after the completion of this report/assessment, Farallon's observations, findings, and opinions can be considered valid only as of the date of the report hereof. This report/assessment has been prepared in accordance with the client contract and currently accepted industry standards, and no other warranties, representations, or certifications are made. Unless stated otherwise herein, this report is intended for and restricted to the sole use of Prologis, Inc. Any use, interpretation, or reliance upon this report/assessment by anyone other than Prologis, Inc. is at the sole risk of that party, and Farallon will have no liability for such unauthorized use, interpretation, or reliance.

## **FIGURES**

**PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT**  
**Indian Business Park**  
**Indian Street and Krameria Avenue**  
**Moreno Valley, California**

**Farallon PN: 1071-007 (Task 6)**



REFERENCE: 7.5 MINUTE USGS QUADRANGLE SUNNYMEAD, CALIFORNIA. DATED 1967 AND PHOTOREVISED 1980



Washington  
Issaquah | Bellingham | Seattle

Oregon  
Portland | Bend

California  
Oakland | Sacramento | Irvine

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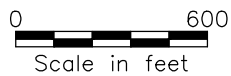
**FIGURE 1**

SITE VICINITY MAP  
INDIAN BUSINESS PARK  
INDIAN STREET AND KRAMERIA AVENUE  
MORENO VALLEY, CALIFORNIA



**LEGEND**

-  SITE BOUNDARY
-  MAFB MONITORING WELL
-  MAFB EXTRACTION WELL




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**FIGURE 2**

SITE PLAN  
 INDIAN BUSINESS PARK  
 INDIAN STREET AND KRAMERIA AVENUE  
 MORENO VALLEY, CALIFORNIA

FARALLON PN:1071-007-6

Drawn By: GPF

Checked By: SA

Date: 3/19/2015

Disk Reference: 1071-007-6

**APPENDIX A**  
**PROFESSIONAL QUALIFICATIONS**

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT  
Indian Business Park  
Indian Street and Krameria Avenue  
Moreno Valley, California

Farallon PN: 1071-007 (Task 6)

**KEVIN SHERIDAN, P.G.**  
Professional Geologist

Nevada Certified Environmental Manager  
25 years experience

Mr. Sheridan has over 25 years of experience providing national environmental due diligence and site assessment services and directing environmental remedial actions for oil companies, real estate developers and other national and local clients. Mr. Sheridan's responsibilities routinely include performing Phase I Environmental Assessments; Phase II soil, groundwater and air quality assessments; and managing active soil and groundwater remediation projects.

**SCOTT ALLIN**  
Principal Environmental Scientist

BS Physical Science (Hydrology)  
25 years experience

Mr. Allin has over 25 years of project and program management experience in the evaluation and reporting of the environmental liability associated with the sale or Brownfields redevelopment of impaired properties. He has supported the needs of developers and others in the acquisition of Cost Cap and Finite Risk environmental insurance to manage long-term environmental risks. He has provided clients with value-added due diligence services, both nationally and internationally, for single properties or large multi-million-dollar mixed-use portfolios. He has provided guidance for evaluating environmental risks during complex mergers and acquisitions. In addition, Mr. Allin has provided management services for implementation of remedial actions, asbestos abatement, environmental audit programs, and environmentally sensitive property improvements.

**TINA M. HUFF**  
Senior Regulatory Specialist

BA Environmental Studies  
14 years experience

Ms. Huff has a broad range of experience with environmental due diligence and regulatory requirements. She manages and conducts environmental due diligence for property transactions, including Phase I ESAs, risk assessment audits, environmental compliance audits, and Phase II Site Investigations throughout the western United States. She is Asbestos Hazard Emergency Response Act-certified for asbestos, and has completed training for ASTM E1527-13 Phase I ESA protocol and for mold in construction. Ms. Huff has certificates in Dangerous Waste Management and Occupational Safety and Health Administration Compliance.

**APPENDIX B  
SITE PHOTOGRAPHS**

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT  
Indian Business Park  
Indian Street and Krameria Avenue  
Moreno Valley, California

Farallon PN: 1071-007 (Task 6)

**SITE PHOTOGRAPHS**  
**Phase I Environmental Site Assessment**  
**Indian Business Park**  
**Moreno Valley, California**  
**Farallon PN: 1071-001 Task 6**

**Photograph 1:** Lot 1, looking northwest from southeast corner.

**Photograph 2:** Center of Lot 1, looking northeast.

**Photograph 3:** Northern property line of Lot 1.

**Photograph 4:** Monitoring wells adjacent to southern property line of Lot 1.

**Photograph 5:** Debris pile along eastern property line of Lot 1.

**Photograph 6:** Debris pile along western property line of Lot 1.

**Photograph 7:** Looking northeast from Lot 2.

**Photograph 8:** Southern property line of Lot 2 adjacent to Perris Valley Storm Drain.

**Photograph 9:** Western property line of Lot 3, looking north.

**Photograph 10:** Northwest corner of Lot 4, looking south.

**Photograph 11:** Both monitoring wells on Indian Street.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**Indian Business Park**  
**Moreno Valley, California**



**Photograph 1:** Lot 1, looking northwest from southeast corner.



**Photograph 2:** Center of Lot 1, looking northeast.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**Indian Business Park**  
**Moreno Valley, California**



**Photograph 3:** Northern property line of Lot 1.



**Photograph 4:** Monitoring wells adjacent to southern property line of Lot 1.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**Indian Business Park**  
**Moreno Valley, California**



**Photograph 5:** Debris pile along eastern property line of Lot 1.



**Photograph 6:** Debris pile along western property line of Lot 1.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**Indian Business Park**  
**Moreno Valley, California**



**Photograph 7:** Looking northeast from Lot 2.



**Photograph 8:** Southern property line of Lot 2 adjacent to Perris Valley Storm Drain.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**Indian Business Park**  
**Moreno Valley, California**



**Photograph 9:** Western property line of Lot 3, looking north.



**Photograph 10:** Northwest corner of Lot 4, looking south.



**SITE PHOTOGRAPHS (continued)**  
**Phase I Environmental Site Assessment**  
**Indian Business Park**  
**Moreno Valley, California**



**Photograph 11:** Both monitoring wells on Indian Street.

**APPENDIX C**  
**USER QUESTIONNAIRE**

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT  
Indian Business Park  
Indian Street and Krameria Avenue  
Moreno Valley, California

Farallon PN: 1071-007 (Task 6)

## PHASE I ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

To qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the Phase I Environmental Site Assessment (Phase I ESA) Report user must provide the following information (if available) to the environmental professional (Farallon Consulting, L.L.C.). Failure to provide this information could result in the determination that "all appropriate inquiry" has not been completed.

Date: March 17, 2015

### ■ PROJECT/SITE INFORMATION

Client Name: Prologis Client Telephone: 415-394-9000

Client Address: Pier 1, Bay 1, San Francisco, CA 94111

Asset #: Project/Site Name: Moreno Valley Logistics Center

Project Street Address: NA

City: Moreno Valley County: Riverside State: CA Zip:

Why is this Phase I ESA required?

Property Transaction:

Sale  Purchase  Exchange  Other

Comments:

### ■ PROPERTY USE & SPECIFICATIONS

Single-Family Residential  Vacant or Undeveloped Land

Multi-Family Residential #Units:  Agricultural (Specify type):

Commercial Office  Industrial (Specify type): Warehouse

Commercial Retail  Other (Specify type):

Provide a general Site description: 89.86 acres of undeveloped land

Legal description/plat plan/boundary survey available?  Yes  No  Already provided

Current Property Status:  Vacant  Occupied  Improved  Unimproved

Total Property Size: 89.86 acres Original Construction Date: NA

Total # of Buildings: 0 Was Construction Phased?  Yes  No  Unknown

Total Sq. Ft. of Buildings: NA Date(s) of Renovation(s)/Phases:

Does Site have an undeveloped area equal to 1 acre or more?  Yes  No

Are any bodies of water on or immediately adjacent to the Site?  Yes  No If Yes, describe:

Comments:

Refer to documents provided

Potable water source at Site?  On-Site well  Utility (Specify provider) None

Wastewater discharge at Site?  Septic Tank/Drainfield  Sanitary Sewer  Other (Specify):  
None

Building plans available at the Site?  Yes  No  Unknown  Already provided

**■ OWNERS**

Current Owner(s): Moorpark County Regency

Previous Owner(s): Unknown

**■ OCCUPANTS/TENANTS**

Current Occupant(s)/Tenant(s) and operations: Vacant

Previous Occupant(s)/Tenant(s) and operations: Unknown

**■ PREVIOUS PROPERTY USES**

Describe previous use(s) of the Site: Unknown.

**■ PREVIOUS INVESTIGATIONS**

Has any previous environmental investigation been conducted at Site?  Yes  No  Unknown

If Yes, note type and describe:  Phase I ESA  Asbestos  Lead Paint  Lead in Water

Radon  Wetlands  Indoor Air  UST/AST  Other (*Specify type below*)

Comments:

**■ ON-SITE ENVIRONMENTAL CONDITIONS**

Are you aware of any of the following environmental conditions at the Site, either current or former?

Environmental Condition/Issue	Response	Comment if Yes Response
Aboveground Storage Tank	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any ASTs other than what is disclosed in the documents provided.
Underground Storage Tank	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any USTs other than what is disclosed in documents provided.
Hazardous/Toxic Substance	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any Hazardous/ Toxic Substance other than what is disclosed in documents provided.
Stored Chemical	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any Stored Chemical other than what is disclosed in the documents provided.
Chemical Spill/Release	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any chemical spill/ release other than what is disclosed in the documents provided.
Dump Area/Landfill	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any dump area/ landfill other

		than what is disclosed in the documents provided.
Waste Treatment System	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any waste treatment system other than what is disclosed in the documents provided.
Wastewater Discharge	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any wastewater discharge other than what is disclosed in the documents provided.
Air Stack/Vent/Odor	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of Air Stack/Vent/Odor other than what is disclosed in the documents provided.
Indoor Air Quality Complaint	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of Indoor Air Quality complaint other than what is disclosed in the documents provided.
Floor Drain/Sump	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of floor drain/sump other than what is disclosed in the documents provided.
Pit, Pond, Lagoon	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of pit, pond, lagoon other than what is disclosed in the documents provided.
Stained Soil/Vegetation Impact	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of stained soil/ vegetation impact other what is disclosed in the documents provided.
Other specialized knowledge of an environmental condition or issue at the Site? None.		

#### ■ ADDITIONAL ON-SITE ENVIRONMENTAL CONDITIONS

Are you aware of any of the following environmental conditions on the Site, either current or former?

Environmental Condition/Issue	Response	Comment if Yes Response
Pesticide/Herbicide Use	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any Pesticide/Herbicide use other than what is disclosed in the documents provided.
Polychlorinated Biphenyls	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any Polychlorinated Biphenyls other than what is disclosed in the documents provided.
Electrical Transformer	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any Electrical Transformer other than what is disclosed in the documents provided.
Hydraulic Lift	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any Hydraulic Lift other than what is disclosed in the documents provided.
Elevator	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any elevator other than what is disclosed in the documents provided.
Drycleaner Business	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any drycleaner business other than what is disclosed in the documents provided.
Asbestos	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any asbestos other than what is disclosed in the documents provided.
Lead Paint	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any lead paint other than what is disclosed in the documents provided.
Lead Piping/Lead in Water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any lead piping/lead in water other than what is disclosed in the documents provided.
Elevated Radon Level	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of elevated radon levels other than what is disclosed in the documents provided.
Flourescent Light Fixture	<input type="checkbox"/> Yes <input type="checkbox"/> No	I am not aware of any Flourescent Light Fixture other than what is disclosed in the documents provided.

Wetland, Flooding	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any wetland, flooding other than what is disclosed in the documents provided.
Unique Wildlife Species	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any unique wildlife species other what is disclosed in the documents provided.
Archeological Resource	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any archeological resource other than what is disclosed in the documents provided.
Historic/National Landmark	<input type="checkbox"/> Yes <input type="checkbox"/> No	I am not aware of any historic/national landmark other than what is disclosed in the documents provided.
Oil/Gas Well	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any oil/gas well other than what is disclosed in the documents provided.
Water Well	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any water well other than what is disclosed in the documents provided.
Environmental Cleanup	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any environmental cleanup other then what is disclosed in the documents provided.
Environmental Permit	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	I am not aware of any environmental permit other then what is disclosed in the documents provided.

**■ OFF-SITE ENVIRONMENTAL CONDITIONS**

On adjoining property, are there any: Gasoline Stations?  Yes  No Drycleaners?  Yes  No  
 Are you aware of any other environmental conditions or concerns on adjacent or nearby properties?  
 Yes  No

**Comments**

I am not aware of any other environmental conditions or concerns on adjacent or nearby properties other than what is disclosed in the documents provided.

**(1) Environmental cleanup liens that have been filed or recorded against the Site (Part 312.25 of Title 40 of the Code of Federal Regulations [40 CFR 312.25])**

Are you aware of any environmental cleanup liens against the Site that have been filed or recorded under federal, tribal, state, or local law?

I am not aware of any environmental cleanup liens against the Site other than what is disclosed in the documents provided.

**(2) Activity and land use limitations that are in place at the Site or that have been filed or recorded in a registry (40 CFR 312.26)**

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

I am not aware of any activity and land use limitation other than what is disclosed in the documents provided.

**(3) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28)**

As the user of the Phase I ESA Report, do you have any specialized knowledge or experience related to the Site or nearby properties? For example, are you involved in the same line of business as the current or former occupant(s) of the Site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No, I have no specialized knowledge other than what is disclosed in the documents provided.

**(4) Relationship of the purchase price to the fair market value of the Site if it were not contaminated (40 CFR 312.29)**

Does the purchase price being paid for this Site reasonably reflect the fair market value of the Site? If you conclude that there is a difference between the purchase price and the fair market value, have you considered whether the lower purchase price is because contamination is known or believed to be present at the Site?

I have no knowledge of the purchase price being discounted for environmental conditions

**(5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30)**

Are you aware of commonly known or reasonably ascertainable information about the Site that would help Farallon Consulting, L.L.C. to identify conditions indicative of a chemical or other release or threatened release? For example, as user of the Phase I ESA Report:

Do you know the past use(s) of the Site? (If yes, please specify.) No, other than what is disclosed in the documents provided.

Do you know of a specific chemical(s) present at the Site, or present at one time? (If yes, please specify.) No, other than what is disclosed in the documents provided.

Do you know of a chemical and/or other spill(s) or release(s) that have taken place at the Site? (If yes, please specify.) No, other than what is disclosed in the documents provided.

Do you know of any environmental cleanup(s) that have taken place at the Site? (If yes, please specify.) No, other than what is disclosed in the documents provided.

**(6) The degree of obviousness of the presence or likely presence of contamination at the Site, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)**

As the user of the Phase I ESA Report, based on your knowledge and experience related to the Site, is there any obvious indicator(s) that point to the presence or likely presence of contamination at the Site? (If yes, please specify.)

No, other than what is disclosed in the documents provided.

**Identify all parties who will rely on the Phase I ESA Report, including:**

Name of Business: Prologis

Name of Contact: Ms. Janet Frentzel

Address: Pier 1, Bay 1, San Francisco, CA

Telephone Number: 415-394-9000

E-mail Address: jfrentzel@prologis.com

**Has any party that will rely on the Phase I ESA Report required services beyond the standard ASTM E1527-05? (For example, an asbestos, lead-based paint, lead in drinking water, or wetlands investigation)** (If yes, please specify.) Visual or desk top survey for asbestos, lead-based paint, lead in drinking water, wetlands, radon gas, and water intrusion

**Who is the Site contact, and how can the contact be reached?**

Name of Business: Prologis

Name of Contact: Russell Muranaka

Address:

Telephone Number:

E-mail Address:

**Are there any special terms and conditions that must be agreed upon by Farallon Consulting, L.L.C.?**  
(If yes, please specify.)

No

**APPENDIX D**  
**HISTORICAL RESEARCH DOCUMENTS**

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT  
Indian Business Park  
Indian Street and Krameria Avenue  
Moreno Valley, California

Farallon PN: 1071-007 (Task 6)



**Moreno Valley Logistics Center**

Indian Street/Krameria Avenue

Moreno Valley, CA 92551

Inquiry Number: 3957184.9

June 02, 2014

## The EDR Aerial Photo Decade Package



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

# EDR Aerial Photo Decade Package

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***Thank you for your business.***  
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**Date EDR Searched Historical Sources:**

Aerial Photography June 02, 2014

**Target Property:**

Indian Street/Krameria Avenue

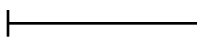
Moreno Valley, CA 92551

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1938	Aerial Photograph. Scale: 1"=500'	Flight Year: 1938	EDR
1953	Aerial Photograph. Scale: 1"=500'	Flight Year: 1953	EDR
1967	Aerial Photograph. Scale: 1"=500'	Flight Year: 1967	Western
1977	Aerial Photograph. Scale: 1"=500'	Flight Year: 1977	Teledyne
1989	Aerial Photograph. Scale: 1"=500'	Flight Year: 1989	USGS
1994	Aerial Photograph. Scale: 1"=500'	Flight Year: 1994	USGS
2002	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 2002	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR



**INQUIRY #:** 3957184.9

**YEAR:** 1938

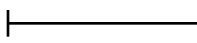
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**YEAR:** 1953

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INQUIRY #: 3957184.9

YEAR: 1967

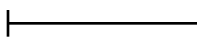
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**YEAR:** 1977

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INQUIRY #: 3957184.9

YEAR: 1989

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INQUIRY #: 3957184.9

YEAR: 1994

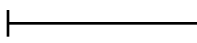
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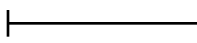
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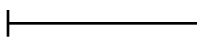
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**YEAR:** 2009

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**INQUIRY #:** 3957184.9

**YEAR:** 2010

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**INQUIRY #:** 3957184.9

**YEAR:** 2012

| = 500'





**Moreno Valley Logistics Center**

Indian Street/Krameria Avenue

Moreno Valley, CA 92551

Inquiry Number: 3957184.4

May 30, 2014

## EDR Historical Topographic Map Report



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

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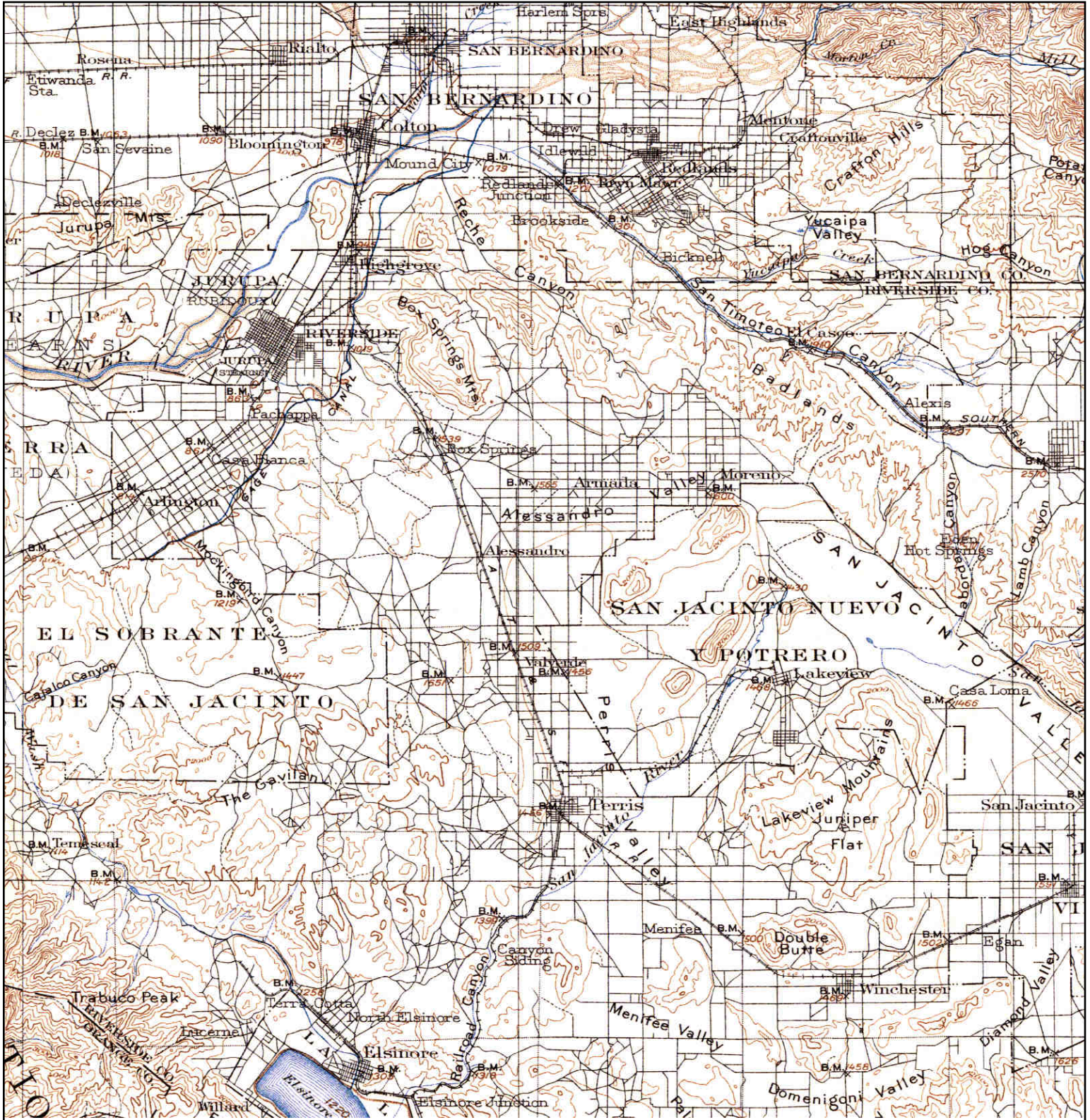
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# Historical Topographic Map



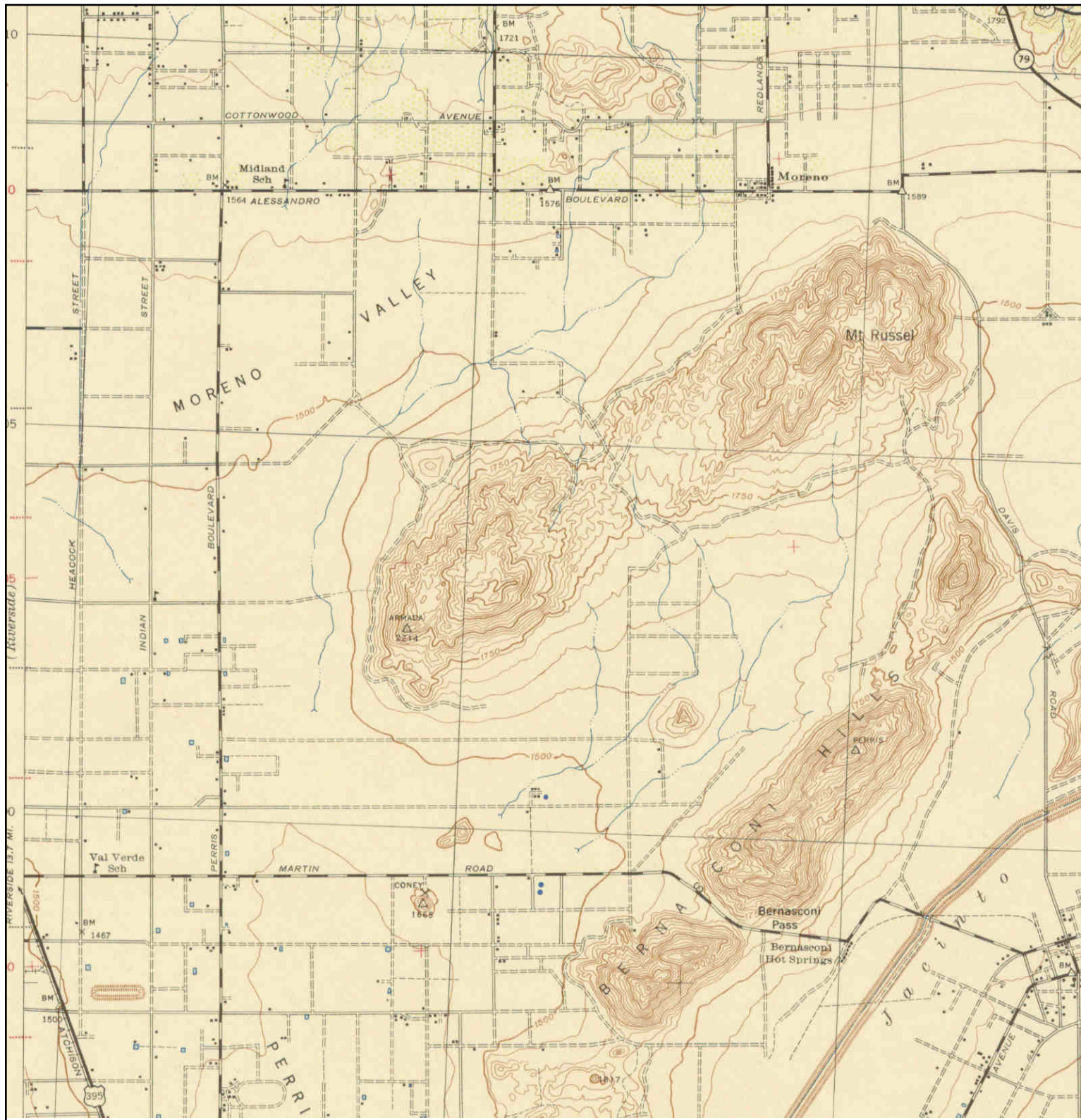
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	<b>NAME:</b> ELSINORE	<b>ADDRESS:</b> Indian Street/Krameria Avenue	<b>CONTACT:</b> Scott Allin	
	<b>MAP YEAR:</b> 1901	<b>LAT/LONG:</b> 33.8779 / -117.2369	<b>INQUIRY#:</b> 3957184.4	<b>RESEARCH DATE:</b> 05/30/2014
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# Historical Topographic Map



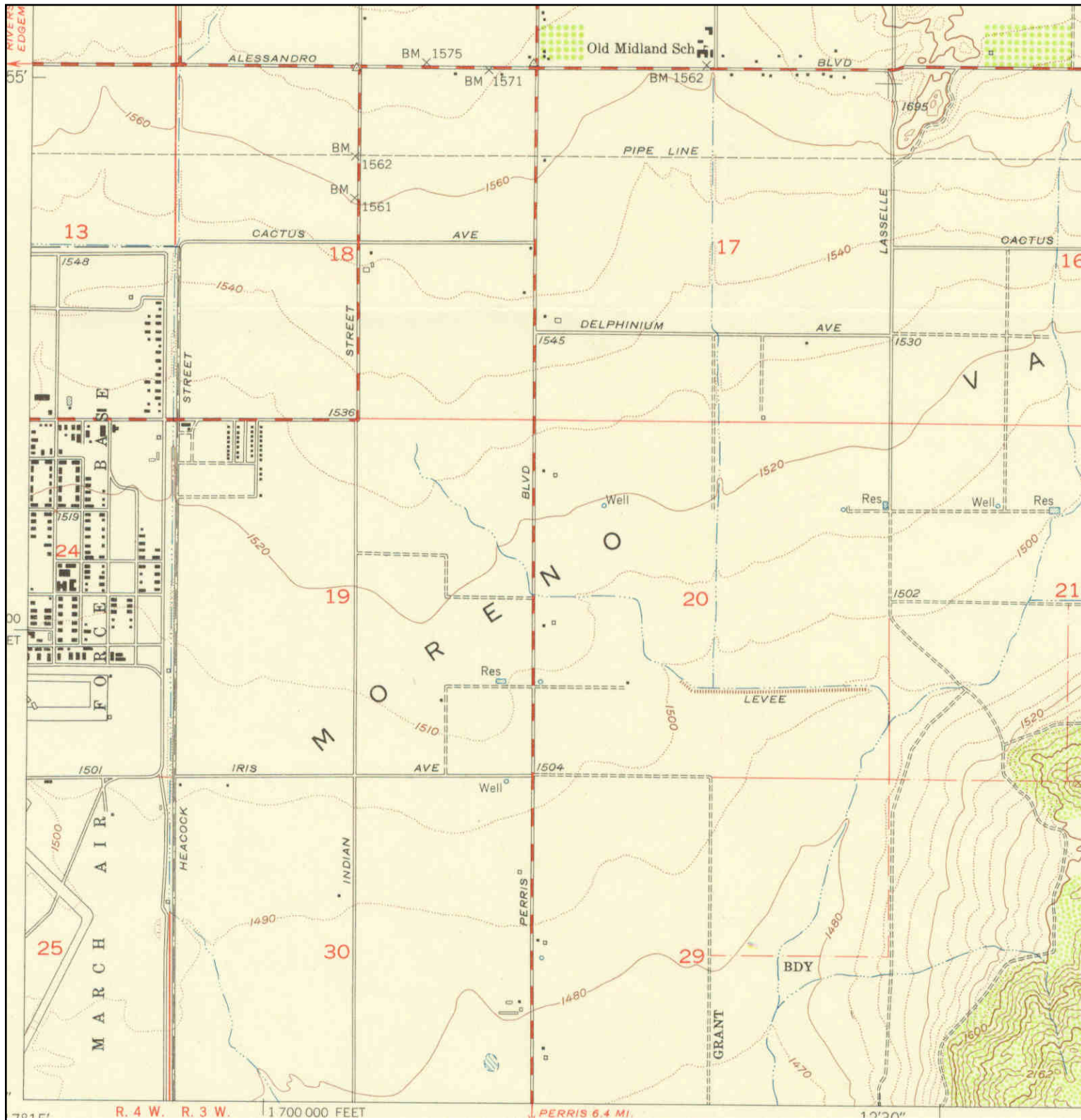
<p>N ↑</p>	<p><b>TARGET QUAD</b>                  NAME: SOUTHERN CA SHEET 1                  MAP YEAR: 1901</p>	<p><b>SITE NAME:</b> Moreno Valley Logistics Center  <b>ADDRESS:</b> Indian Street/Krameria Avenue                  Moreno Valley, CA 92551  <b>LAT/LONG:</b> 33.8779 / -117.2369</p>	<p><b>CLIENT:</b> Farallon Consulting, LLC  <b>CONTACT:</b> Scott Allin  <b>INQUIRY#:</b> 3957184.4  <b>RESEARCH DATE:</b> 05/30/2014</p>
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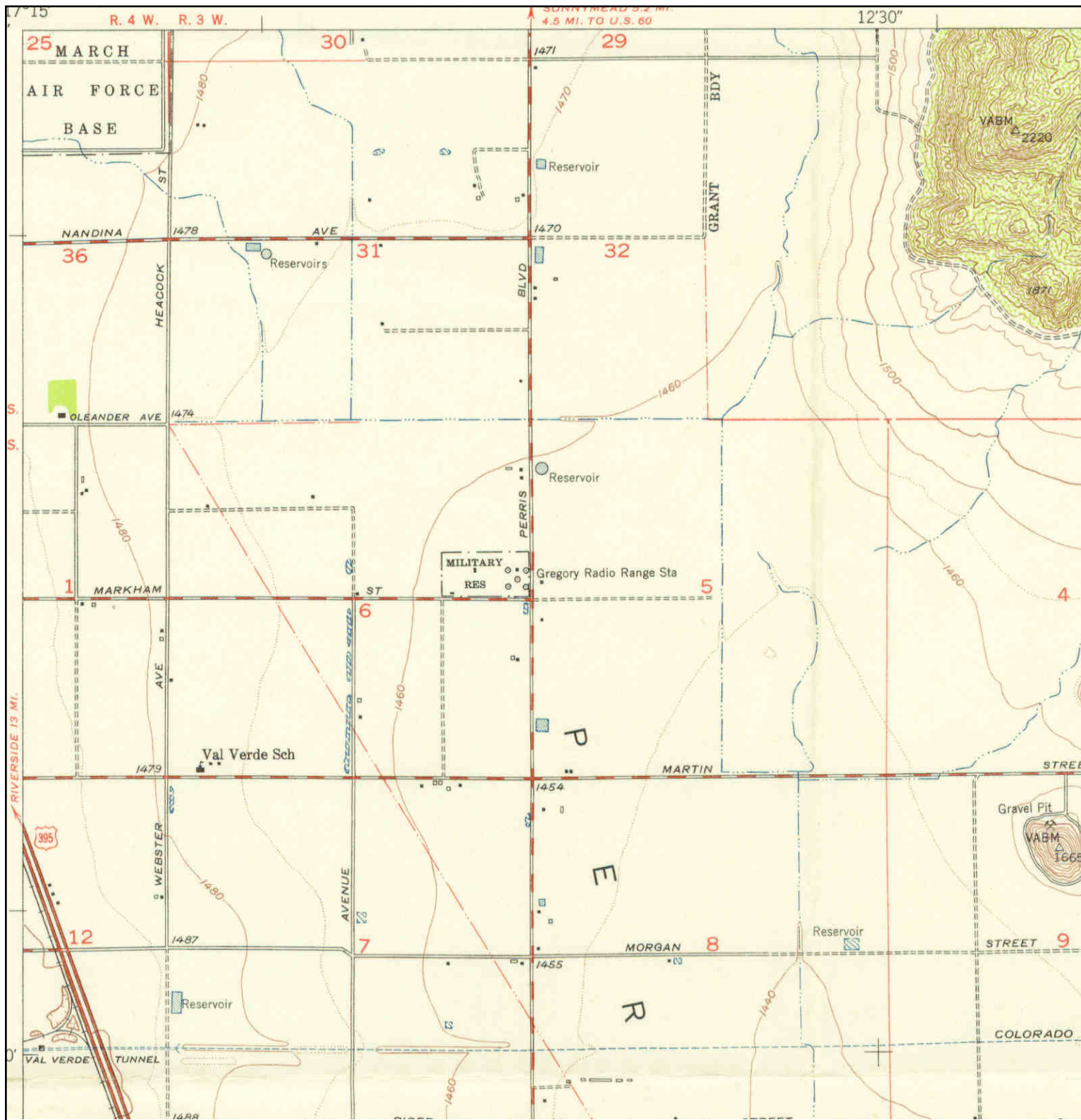
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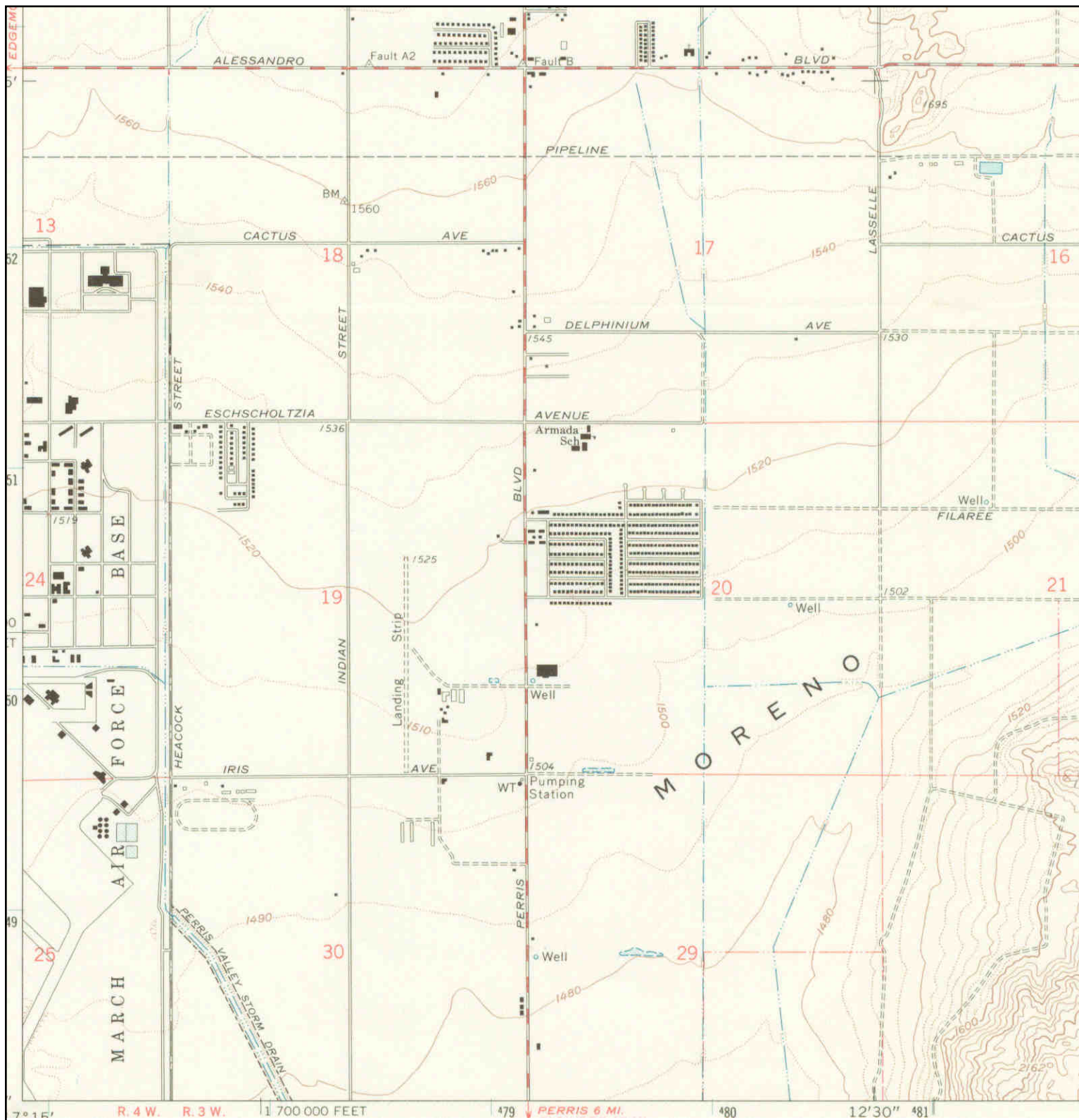
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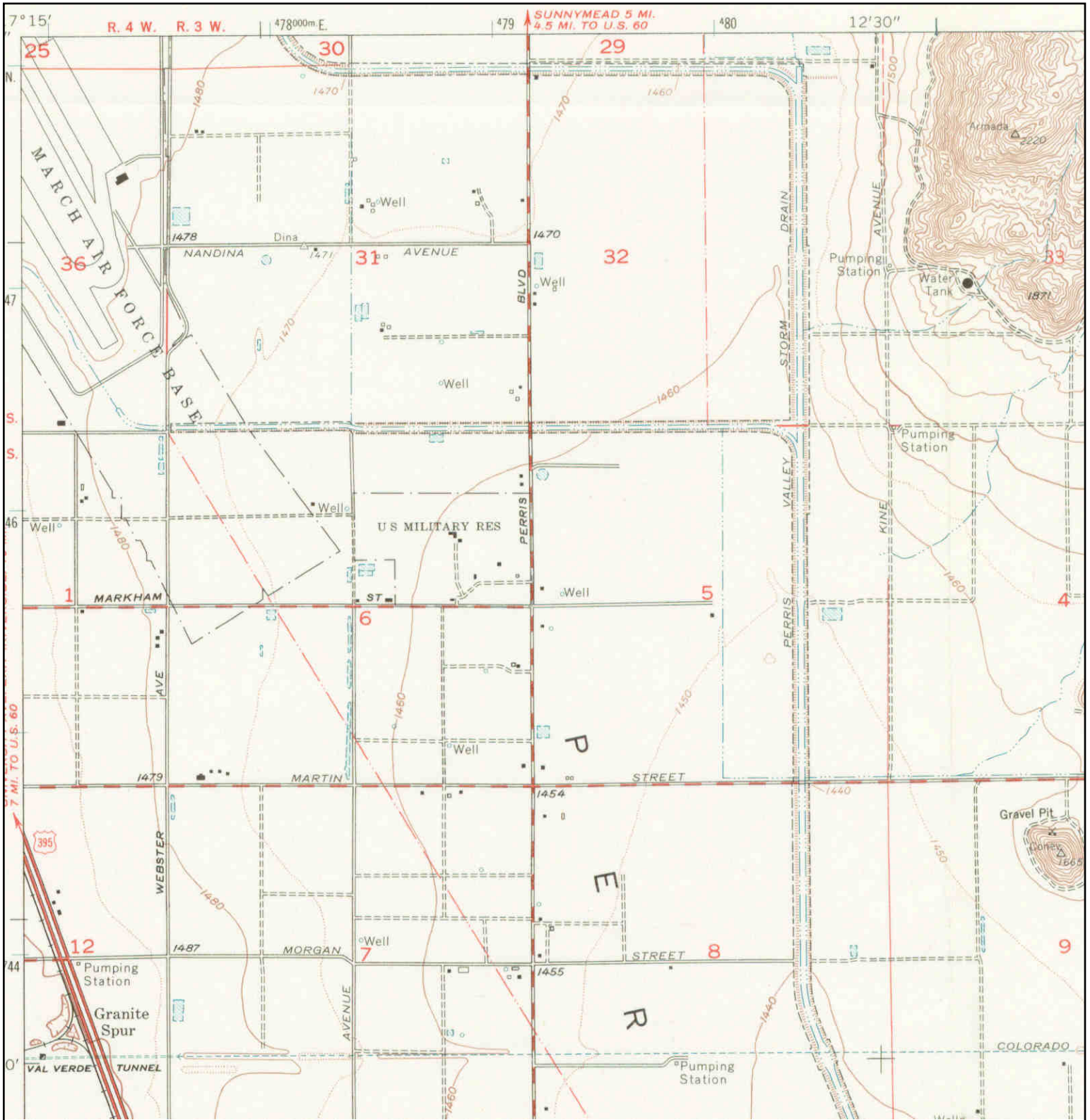
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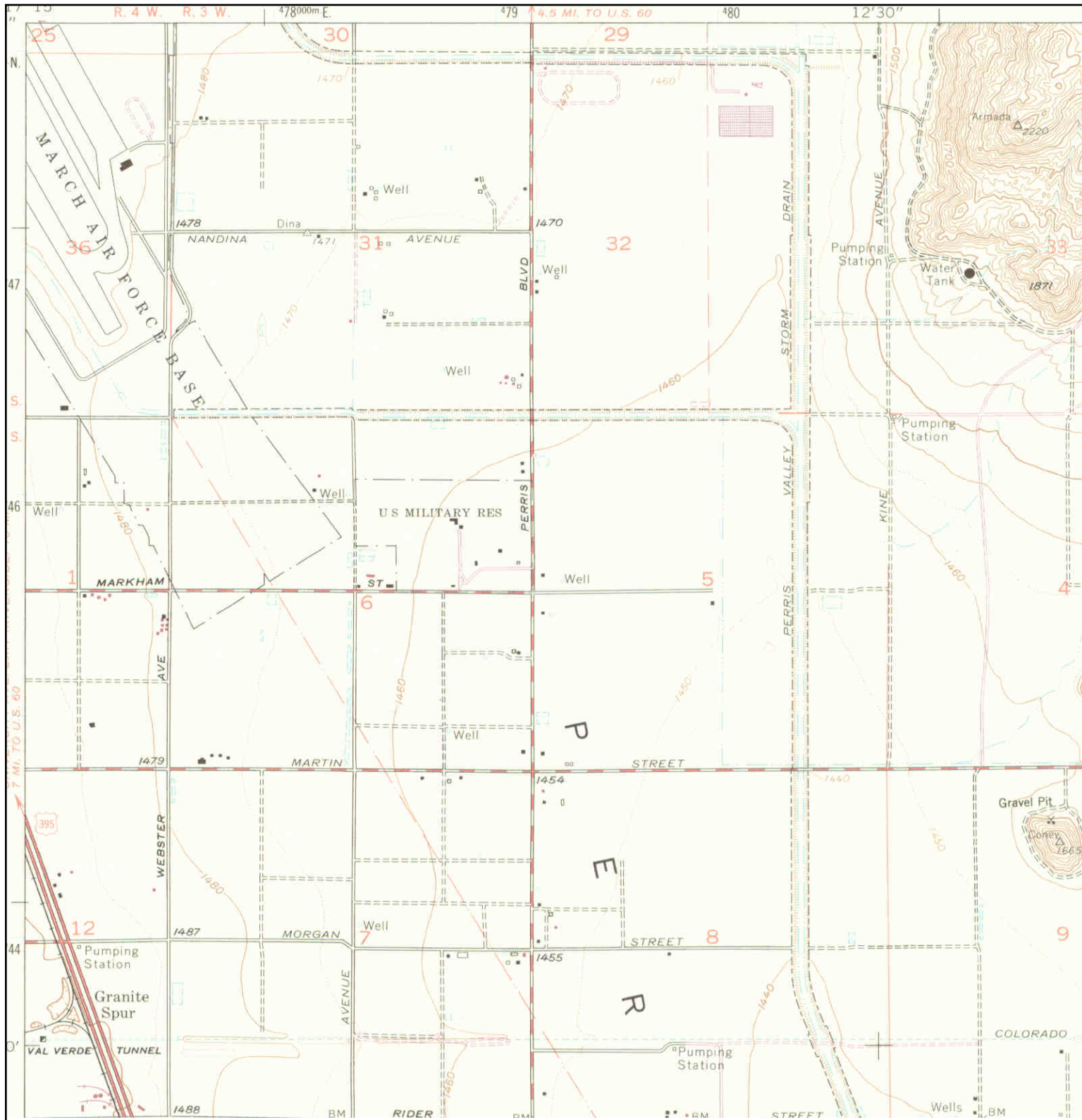
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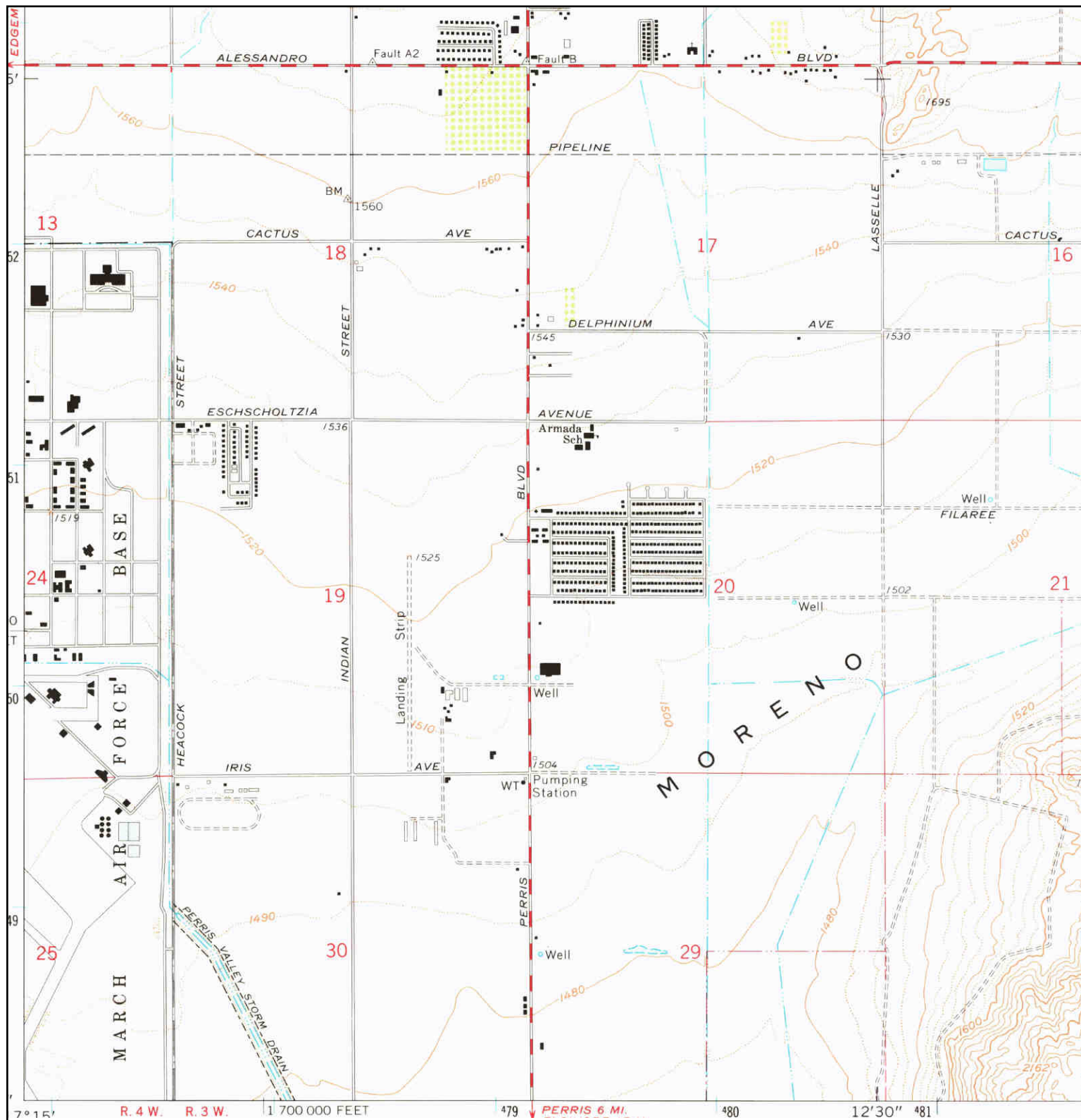
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Moreno Valley Logistics Center	<b>CLIENT:</b> Farallon Consulting, LLC
	NAME: PERRIS	<b>ADDRESS:</b> Indian Street/Krameria Avenue	<b>CONTACT:</b> Scott Allin
	MAP YEAR: 1967	Moreno Valley, CA 92551	<b>INQUIRY#:</b> 3957184.4
	SERIES: 7.5	<b>LAT/LONG:</b> 33.8779 / -117.2369	<b>RESEARCH DATE:</b> 05/30/2014
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# Historical Topographic Map



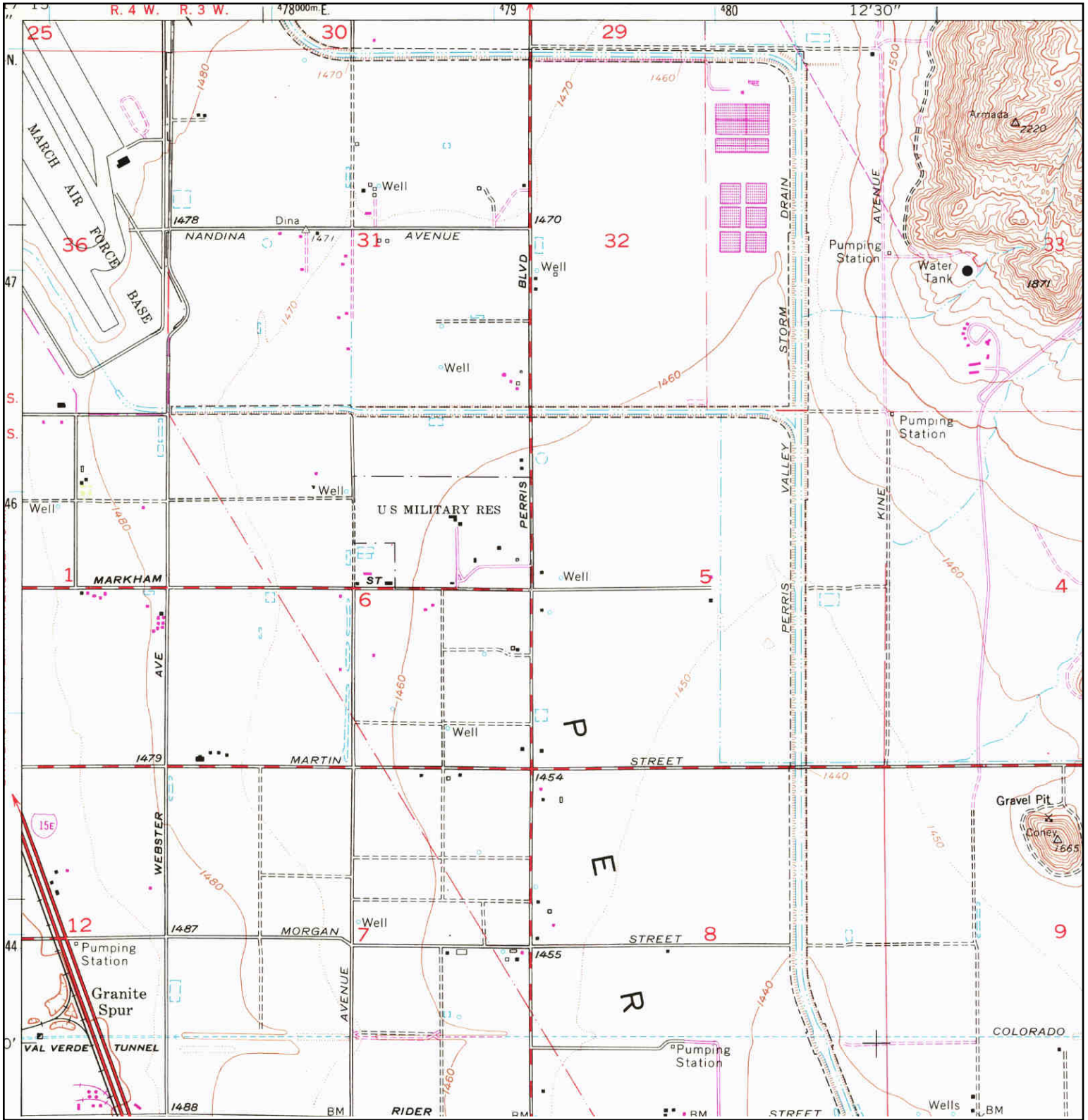
	<p><b>TARGET QUAD</b>                  NAME: PERRIS                  MAP YEAR: 1973                  PHOTOREVISED FROM :1967                  SERIES: 7.5                  SCALE: 1:24000</p>	<p><b>SITE NAME:</b> Moreno Valley Logistics Center  <b>ADDRESS:</b> Indian Street/Krameria Avenue                  Moreno Valley, CA 92551  <b>LAT/LONG:</b> 33.8779 / -117.2369</p>	<p><b>CLIENT:</b> Farallon Consulting, LLC  <b>CONTACT:</b> Scott Allin  <b>INQUIRY#:</b> 3957184.4  <b>RESEARCH DATE:</b> 05/30/2014</p>
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# Historical Topographic Map



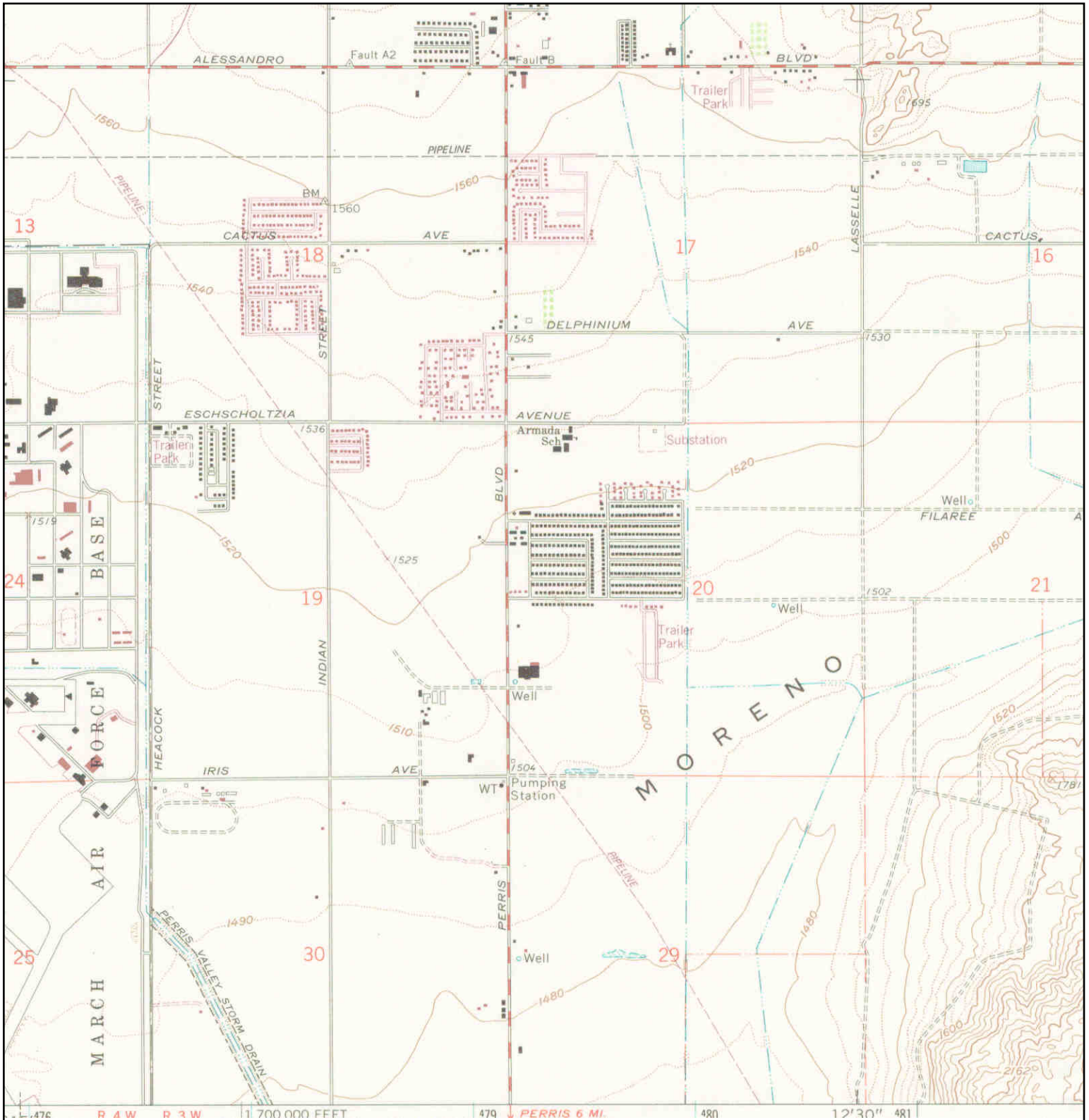
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Moreno Valley Logistics Center	<b>CLIENT:</b> Farallon Consulting, LLC
	NAME: SUNNYMEAD	<b>ADDRESS:</b> Indian Street/Krameria Avenue	<b>CONTACT:</b> Scott Allin
	MAP YEAR: 1973	Moreno Valley, CA 92551	<b>INQUIRY#:</b> 3957184.4
	PHOTOINSPECTED FROM : 1967	<b>LAT/LONG:</b> 33.8779 / -117.2369	<b>RESEARCH DATE:</b> 05/30/2014
	SERIES: 7.5		
	SCALE: 1:24000		

# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Moreno Valley Logistics Center	<b>CLIENT:</b> Farallon Consulting, LLC
	NAME: PERRIS	<b>ADDRESS:</b> Indian Street/Krameria Avenue	<b>CONTACT:</b> Scott Allin
	MAP YEAR: 1979	Moreno Valley, CA 92551	<b>INQUIRY#:</b> 3957184.4
	PHOTOREVISED FROM :1967	<b>LAT/LONG:</b> 33.8779 / -117.2369	<b>RESEARCH DATE:</b> 05/30/2014
	SERIES: 7.5		
	SCALE: 1:24000		

# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Moreno Valley Logistics Center	<b>CLIENT:</b> Farallon Consulting, LLC
	NAME: SUNNYMEAD	<b>ADDRESS:</b> Indian Street/Krameria Avenue	<b>CONTACT:</b> Scott Allin
	MAP YEAR: 1980	Moreno Valley, CA 92551	<b>INQUIRY#:</b> 3957184.4
	PHOTOREVISED FROM :1967	<b>LAT/LONG:</b> 33.8779 / -117.2369	<b>RESEARCH DATE:</b> 05/30/2014
	SERIES: 7.5		
	SCALE: 1:24000		



**Moreno Valley Logistics Center**

Indian Street/Krameria Avenue

Moreno Valley, CA 92551

Inquiry Number: 3957184.3

May 29, 2014

## Certified Sanborn® Map Report



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

# Certified Sanborn® Map Report

5/29/14

**Site Name:** Moreno Valley Logistics Center  
Indian Street/Krameria Avenue  
Moreno Valley, CA 92551  
EDR Inquiry # 3957184.3

**Client Name:** Farallon Consulting, LLC  
975 5th Ave NW  
Issaquah, WA 98027  
Contact: Scott Allin



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The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

## Certified Sanborn Results:

**Site Name:** Moreno Valley Logistics Center  
**Address:** Indian Street/Krameria Avenue  
**City, State, Zip:** Moreno Valley, CA 92551  
**Cross Street:**  
**P.O. #** NA  
**Project:** NA  
**Certification #** D196-4365-BE53



Sanborn® Library search results  
Certification # D196-4365-BE53

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- University Publications of America
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**Moreno Valley Logistics Center**

Indian Street Krameria Avenue  
Moreno Valley, CA 92551

Inquiry Number: 3957184.5  
June 02, 2014

# The EDR-City Directory Image Report

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City Directory Images

*Thank you for your business.*  
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with any questions or comments.

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## EXECUTIVE SUMMARY

### DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

### RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2013	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2008	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
2003	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1999	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Cole Information Services
1995	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Haines Criss-Cross Directory
1990	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1985	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1980	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory
1975	<input type="checkbox"/>	<input type="checkbox"/>	Haines Criss-Cross Directory

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## FINDINGS

### TARGET PROPERTY STREET

Indian Street Krameria Avenue  
Moreno Valley, CA 92551

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

### INDIAN ST

2013	pg A1	Cole Information Services
2008	pg A3	Cole Information Services
2003	pg A5	Cole Information Services
1999	pg A7	Cole Information Services
1995	pg A10	Haines Criss-Cross Directory
1995	pg A9	Haines Criss-Cross Directory
1990	pg A12	Haines Criss-Cross Directory
1990	pg A13	Haines Criss-Cross Directory
1985	pg A14	Haines Criss-Cross Directory
1980	pg A15	Haines Criss-Cross Directory
1980	pg A16	Haines Criss-Cross Directory
1975	-	Haines Criss-Cross Directory

Target and Adjoining not listed in Source

## FINDINGS

### CROSS STREETS

Year

CD Image

Source

#### KRAMERIA ST

2013	pg. A2	Cole Information Services	
2008	pg. A4	Cole Information Services	
2003	pg. A6	Cole Information Services	
1999	pg. A8	Cole Information Services	
1995	pg. A11	Haines Criss-Cross Directory	
1990	-	Haines Criss-Cross Directory	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1975	-	Haines Criss-Cross Directory	Street not listed in Source

## **City Directory Images**

**INDIAN ST 2013**

15111 COUNTY OF RIVERSIDE  
15800 MARCH MIDDLE SCHOOL  
15950 RAINBOW RIDGE ELEMENTARY SCHOOL  
16059 IMANI PRAISE FELLOWSHIP  
16171 CONNIE LEMAY  
16180 OCCUPANT UNKNOWN  
16220 OCCUPANT UNKNOWN  
16275 FRANCISCO BURROLA  
16410 OCCUPANT UNKNOWN  
16950 GUILLERMINA HERNANDEZ  
16980 RICHARD DNARVARTE  
17325 ADRIANA MORA  
17700 CLEAN ENERGY  
WASTE MANAGEMENT  
17731 OCCUPANT UNKNOWN

**KRAMERIA ST 2013**

25390 MARY MCLEOD BTHUNE MIDDLE SCHL  
25777 VISTA VERDE MIDDLE SCHOOL

**INDIAN ST 2008**

15111 COUNTY OF RIVERSIDE  
15800 MLM MARCH MIDDLE SCHOOL  
15950 VAL VERDE UNIFIED SCHOOL DISTRICT  
16050 VALLEY VISTA SEVENTH DAY  
16171 CONNIE LEMAY  
16180 ADAM VILLARREAL  
16220 O PIERCE  
16275 ELIZABETH CORTEZ  
16410 WILLIAM VACA  
16958 RICHARD DNARVARTE  
17325 DELORES MORA  
17700 WASTE MANAGEMENT  
17731 LORRAINE GRIPPIN  
ZODON EXPRESS  
17845 H SUH

**KRAMERIA ST 2008**

25390 MARY MCLEOD BETHUNE ELEMENTARY SCHOO  
VAL VERDE UNIFIED SCHOOL DST  
25777 VAL VERDE UNIFIED SCHOOL DST

**INDIAN ST 2003**

15111 OCCUPANT UNKNOWN  
RIVERSIDE COUNTY OF FIRE DEPT  
15345 JANET BECKER  
16050 JANETTE FRANCIS  
16059 VALLEY VISTA SVNTH DAY ADVNTST  
16180 FRANCIS FOX  
16220 OCCUPANT UNKNOWN  
16275 FRANCISCO BURROLA  
16311 OCCUPANT UNKNOWN  
16410 OCCUPANT UNKNOWN  
16550 OCCUPANT UNKNOWN  
16950 FRANCISCO MONTEJANO  
16958 FERNANDEZ RIVERA  
16980 CLIFFORD STOUT  
17325 LUIS MORA  
17700 WASTE MANAGEMENT  
17731 OCCUPANT UNKNOWN  
ZODON EXPRESS  
17845 BARRY ENGELIMETER  
OCCUPANT UNKNOWN

**KRAMERIA ST 2003**

25390 MARY MCLEOD BTHN ELMNTRY SCHL  
MARY MCLEON ELEMENTARY SCHOOL  
OCCUPANT UNKNOWN

25777 RODOLFO RIOS  
VISTA VERDE MDL SCHL PEP SQUAD  
VISTA VERDE MIDDLE SCHOOL

**INDIAN ST 1999**

15111 RIVERSIDE COUNTY OF FIRE DEPARTMENT  
15950 RAINBOW RIDGE ELEMENTARY SCHOOL  
VAL VERDE UNIFIED SCHOOL DISTRICT  
VAL VERDE UNIFIED SCHOOL DISTRICT RNBW RDG SCHOOL  
16059 VALLEY VISTA SEVENTH DAY ADVENTIST CHURCH  
16171 CONNIE LEMAY  
16220 O PIERCE  
16275 FRANCISCO BURROLA  
16410 OCCUPANT UNKNOWN  
16950 FRANCISCO MONTEJANO  
OCCUPANT UNKNOWN  
16958 RICHARD DNARVARTE  
16980 OCCUPANT UNKNOWN  
17325 DELORES MORA  
17700 MORENO VALLEY MATERIAL RECOVERY FACILITY  
17731 CALIFORNIA EASTERN  
LANDSTAR RANGER  
LORRAINE GRIPPIN  
ZODON EXPRESS  
17845 H SUH

**KRAMERIA ST 1999**

25390 MARY MCLEOD BETHUNE SCHOOL  
VAL VERDE UNIFIED SCHOOL DISTRICT  
VAL VERDE UNIFIED SCHOOL DISTRICT MARY MCLEOD BETHUNE  
25777 VAL VERDE UNIFIED SCHOOL DISTRICT  
VAL VERDE UNIFIED SCHOOL DISTRICT VIS VERDE MID SCHOOL  
VISTA VERDE MIDDLE SCHOOL

**INDIAN ST 1995**

INDIAN 92557 MORENO VALLEY		
11135	• STURDIVAN Arthur D	242-6685
	• STURDIVAN Dolores	242-6685
11261	• RUTTER Caren	924-3088
	• RUTTER Edmund	924-3088
11333	• SONG Kester	924-1577 +5
11520	• VOGEL Lynn	242-7810
	• VOGEL Michael	242-7810
11580	• ASHBAUGH Gilberte	242-8257
	• ASHBAUGH Jas W	242-8257
11780	• DUNAGAN M J	242-1915 6
11808	• KINGDOM HLL JEHOVHS	242-3186 2
	• KINGDOM HLL JEHOVHS	243-5010 2
	• KINGDOM HLL JEHOVHS	242-3639 3
11811	• KRAMER Ben J Jr	247-5311
	• KRAMER Melinda	247-5311
11884	• RAMAIREZ Ernesto	242-8083
11910	• MURRELL M J	247-6413 +5
11919	• PATTERSON Melvin	924-5685 2
11936	• SPEARMAN Grover	243-6441 +5
11966	• CAPEN Rudolph R	242-9428 6
11990	• JONES Arlen J	242-8958
	• JONES Chas	242-8958
12105	• CHAVEZ Alfredo	924-4888
12117	• BAXTER Billy C	924-1297
12140	• SUNNYMEAD BAPT TMLP	924-5094
	• SUNNYMEAD CHRSTN SC	924-5094
12143	• BALDWIN Jas C	242-5196 6
12166	• MORRIS Enoch	924-0751 6
12176	• PLANTE Jos	242-4543 6
12177	• ORDONEZ Ronnie J	242-6932 6
12189	• WILBURN Roy B	242-1489 6
12202	• CURTISS John	247-9200 7
12203	• DORAN Donald R	242-7374 6
12228	• ENGBRETSON Gifford	242-2416
12240	• DAWLEY Jimmie R	242-5284 6
ZIP CODE 92553		
12550	PEREA Stan	242-6639 2
12565	GALAN Florencio R	242-5360 +5
12567	CALHOUN Ralph	242-2060 3
12570	DAVISON Gerald	488-9563 3
12648	MORGAN Bill	485-7990 2
	MORGAN Bill L	247-7646 2
12649	• SEVENTH DAY ADVNTST	242-6694 6
	• VALLEY ADVENTIST	242-3012 6
12650	CARRILLO Juana R	243-0729 +5
12660	• CHURCH OF CHRIST	242-6917 6
12680	WYSE Cheri	242-5487 3
12764	• PUERTA LTNA IMMGRTN	242-2993 3
12820	• GILBERT Geo	242-7107
	• GILBERT Irene	242-7107
12830	• ILNISKI Walter	924-6597 6
12860	BAIE Karen	247-1363 9
	• WILEY A	247-1363
	• WILEY C	247-1363
12861	TORRES Judith	485-7624 3
12901	COVEY E L Sr	242-1447 9
12906	HARRELL Bessie	242-3915 6
12912	• CLUBB Roy	242-5521 6
12975	• THORNBURG B J	242-3725 6
13045	TOMLINSON Chris	924-6083 +5
13046	• BELGARD Bob	242-8866 1
13090	• GARRIS JANITORIAL	242-1690 2
13095	• SUNNYSIDE CHLD DVLP	242-1536 6
13135	TERESA Rene	653-6139 +5
	TERESA Young	653-6139 +5
13151	NGUYEN Hung	653-4238 +5
13197	HARRED Bonita	242-8435 1
	HARRED Jim	242-8435
13199	RUSTIN Billy	243-6113 +5
13300	• SUNNYMEAD WESLYN CH	924-5466 2
	• WESLEYAN METHDST CH	924-5466 6
13325	MORALES Karen	247-1623
	MORALES Randy	247-1623
14051	• ANCHOR&SINKER	924-0663 +5
	• GODS HELPING HAND	247-0476 +5
	• MELS LOR&CHCK CSHNG	924-5534 0
	• RAYS BARBER&BTY SLN	243-8280 1
	SCHOONER T J	247-5857 1
	T J Schooner	247-5857 1
	• T&T HOUSEWARES&GFTS	242-9406 +5
	• TACOS CHIRO	243-7150 2
	• THE CARD&COIN STORE	242-0879 +5
	• WESTRN UNION PCK UP	924-5534 2
14125	• SUNNYMEAD MINI STRG	924-3755
ZIP CODE 92551		
15111	• RIVRSO CO FIRE 65	924-3253 +5
15950	• RAINBOW RIDGE SC	485-6255 2
	• VAL VERDE SC RAINBW	485-6255 2
16050	• JENSEN C R	242-0807 6
16171	BAKER Ruth	485-9746 2
16950	• DIAZ Domitila	485-0842 2

INDIAN ST 1995

INDIAN		92551 CONT..
16958	★ STOUTS WLDG&FBRCTN	242-2110 +5
17731	★ CA EASTERN	924-8116 2
	WADE Brad	243-8942 2
	★ ZODON EXPRESS	924-8797 3
17845	PETERSON Lloyd	485-9091 +5
	★ 28 BUS 66 RES	17 NEW

KRAMERIA ST 1995

# KRAMER 92570 PERRIS

NO LISTINGS

# KRAMERIA AV (92) 92553 MORENO VALLEY

WEALTH CODE 4.0

25390	★ MARY MCLEOD BETHUNE	485-6225	2
	★ VAL VERDE SC MCLEOD	485-6225	2
25777	★ VAL VERDE SC VISTA	485-6270	★ 6
	★ 3 BUS	0 RES	1 NEW

# KRAMERIA AV 92504 RIVERSIDE

WEALTH CODE 6.6

16205	WOODWARD Keith L	789-9410	4
16833	★ AURORA MDLR INDSTRY	789-7196	4
16844	XXXX	00	

INDIAN ST 1990

INDIAN AV 92387 MORENO VALLEY		
11030	XXXX	00
11135	STURDIVAN Arthur D	242-6886
11175	ZUPPARDO Chas Jr	242-4342 6
11196	POSHROFF Jack	924-5366 9
11261	RUTTER Caryn	242-7508 6
	RUTTER Edmund	924-3085
11333	*ACE PAINTING&MNTC	242-9666 +0
	SONG Hai	242-9421 +0
11520	VOGEL Lynn	242-7810
	VOGEL Michael	242-7810
11580	ASHBAUGH Gilbarte	242-8257
	ASHBAUGH Jas W	242-8257
11608	XXXX	00
11780	DUMAGAN M J	242-1915 6
11861	GONZALEZ Edgar	924-3616 6
11864	XXXX	00
11884	RAMIREZ Belle	242-8063
	RAMIREZ Ernesto	242-6083
11898	XXXX	00
11919	PATTERSON Melvin	242-3650 6
11935	XXXX	00
11936	XXXX	00
11963	BAKER Michael	242-7768 9
11986	CAPEN Rudolph R	242-9425 6
11990	JONES Arlen J	242-8958 6
	JONES Chas	242-8958
12000	KROWEL Elmer	242-4609 6
12038	OLSON Chas G	242-6441 +0
12069	MATHEWS John Jay	242-7170 6
12105	CHAVEZ Alfredo	924-4886 6
12117	BARTER Billy C	924-1297 6
	*BAXTERS CONSULTING	924-8969 9
12140	*SUNNYMEAD BAPT TEMPL	924-5094 6
12143	BALDWIN Jas C	242-5196 6
12186	MORRIS Enoch	924-0751 6
12176	PLANTE Jos	242-4543 6
12177	ORDONEZ Ronnie J	242-8832 6
12189	WILBURN Roy B	242-1489 6
12202	CURTISS John	242-9200 7
12203	DORAN Donald	242-1904 6
	DORAN Donald R	242-7374 6
12217	LEE Kenney	242-2283 6
12228	ENGBRETSON Gifford	242-2416
12240	DAWLEY Jimmie R	242-5284 6
12375	ROSS Carl W	00 4
ZIP CODE 92388		
12550	*VALLEY BATTERY&TIRE	924-3955 5
12565	HITCHCOCK Lynne M	00 7
12567	VAUGHN Edw E	242-9477 6
12569	ELDRIDGE W M	924-9409 6
12570	OLIVAS Jorge	00 6
12572	VILLANUEVA Leonor	00 +0
12585	SWEET Diane E	00 7
12642	XXXX	00
12645	LUWTS Tarral	242-5862 +0
12649	*SEVENTH DAY ADVNTST	242-6694 6
	*VALLEY ADVENTIST	242-3012 6
12680	*CHURCH OF CHRIST	242-6917 6
12711	ALLEN Carle J	00 4
	MELVIN Cherrl C	00 4
12721	POULLOT Jean	00 2
12735	ROSS Carl	00 2
12745	GRIFFIN Mary E	00 4
	MUNGUIA Blanca E	00 5
12755	PACILNO John V	00 1
12764	HYLLA D C	924-7870 9
	HYLLA R E	924-7870
12771	BOARTFIELD Bobby	924-0522 9
12780	HERNANDEZ John C	00 5
12820	GILBERT Gno	242-7107
	GILBERT Irene	242-7107
12830	LNISKI Walter	924-6597 8
12833	BRADLEY Jerry	00 4
12846	JACKMAN Rickay A	00 3
12880	BAE Karen	242-1363 9
	WILEY A	242-1363 9
	WILEY C	242-1363
12861	SPEARMAN Darrel A	00 7
12892	XXXX	00
12901	COVEY E L Sr	242-1447 9
12906	SANCHEZ Ruben R	00 +0
12906	HARRELL Beasie	242-3915 6
12908	XXXX	00
12912	CLUBB Roy	242-5821 6
12917	HERNANDEZ Dolores	00 +0
12919	MILES Elizabeth L	00 4
12925	ANSEL Fred H Jr	00 8
12926	JENKINS David E	242-1608 6
	JENKINS Dorothy	242-4611 +0
12945	XXXX	00
12946	CRAIG Ragnald A	00 5
12974	WHIPPLE Betty M	00 2
12975	THORNBURG B J	242-3725 6
13022	TORRES Viviano	00 +0
13025	XXXX	00
13042	EBELING Rodney W	00 4
13045	HESTER Greg A	924-0901 6
	*PAC POOL SERVICE	924-0901 6
13055	XXXX	00
13057	GLIDEWELL Tonya L	00 2
13085	DAVIS Luther	00 4
	*SUNNYSIDE DAY CARE	242-1536 6
13136	WELTNER B	653-7006 +0
13136	ALFORD Karla	242-8232 +0
13151	HARRT Margaret J	00 5
13175	CASKEY John R	00 7
13176	CONOVER Joe	242-2358 9
13191	XXXX	00
13199	HARRIED Lewis O	00 7
13300	*TECUMAH CHRSTN SC	242-0756 +0
	*WESLEYAN METHODIST CH	924-5466 6
13326	EMRG Orlando K	00 +0
13365	STERNITZ Charles R	00 2
13453	ROSTACHER Leslee J	00 6
13645	ARAGON Eugasa H	00 5
	CANDELARIO Mike D 3	00 9
13655	PALMER Robert L	00 8
14051	*BELS LORNBCK CSHNG	924-5834 +0
14125	*SUNNYMEAD MINI STRG	924-3758 5
	VEALE Robert W	00 +0
14161	*BURGESS CO	242-4658 +0
15111	*RYVROD GO FIRE	924-3253 7
16040	CREAMERIAN Carl T	00 6
	JENSEN C R	242-0807 6
16171	BELLINIS Alex	242-1692 6
	*BELLINIS W A HNSRY	242-6672 6
16180	*EMBLY RANCH	242-8098 6
	FOX Francke J	00 4
16220	BRANSFORD Charlie	924-6732
	BRANSFORD Janet	924-6732 9
	*TREE HOUSE NURSERY	242-5640 6
16275	TATE Wilma V	242-4286 6

INDIAN ST 1990

..INDIAN AV		92388 CONT..	
16311	PUTMAN Carol	924-1070	
	PUTMAN Darryl	924-1070	
16410	VACA Olga M	00	
16550	XXXX	00	
16700	★ MCCLELLAN DEVL P	924-9774	9
16958	STOUT Richard C	00	5
17069	XXXX	00	
17235	WILSON Cathleen P	00	4
17325	WELLIVER Jack	00	4
17375	STEM Don G	00	5
17731	WADE Steven B	00	7
17845	PEDERSEN Florence C	00	7
17911	XXXX	00	
★	19 BUS	127 RES	16 NEW

## INDIAN ST 1985

INDIAN AV 92240  
DESERT HT SPGS

12021	EDWARDS BRIAN L	329-2405	2
	EDWARDS ENTERPRISES	329-5574	
13010	XXXX	00	
13300	MCCLELLAND WARREN	329-8872	7
	* 1 BUS	3 RES	0 NEW

## INDIAN AV 92370 PERRIS

17325	WILSON R	657-9135	+5
17731	EYSERBECK BLDRS INC	657-2803	+5
	EYSERBECK W CONSTR	657-1747	+5
	HOCKMAN&HOCKMAN AS	653-5567	1
17845	PEDERSON LLOYD	657-9592	1
17911	MARTINO CLAUDIA	943-1736	+5
18680	ALDRICH FRANK C 3D	657-6387	2
18701	ZPEEDA JOSE A	657-9379	+5
20263	TENNEY ROBBIN G	657-2924	+5
20281	XXXX	00	
20324	XXXX	00	
20340	VAL VERDE SC DSTRCT	657-0661	4
20380	YARBROUGH RAUL	943-3779	+5
20410	SMEINS GARY	943-4112	+5
20430	FRESHWATER HENRY	943-3967	+5
20431	FOWLER FLOYD	943-3341	4
20439	XXXX	00	
20450	QUINTANAR PEDRO	943-1813	+5
20467	HOLCOMB TED	657-0412	+5
20583	SANCHEZ JOSE	657-4963	7
20751	VAL VERDE SC	657-6712	4
	VAL VERDE SC CAFTRA	653-8117	+5
	VAL VERDE SC TRANS	657-1216	4
20890	NEGRETE LUCILIA	657-1997	0
	PEREZ CATARINO	657-0051	2
21011	COUDURES JOHN	657-2367	
21013	XXXX	00	
21020	XXXX	00	
21031	ARRATEIG PIERRE	657-2581	
21101	REED G D	657-5040	
21555	NAVAJO TRAILER SLS	657-6806	3
21580	EVANS DICK TRNSP	657-7185	0
	* 9 BUS	23 RES	12 NEW

## INDIAN ST 1980

INDIAN AV 92240 DESERT  
HT SPGS

14200	GOZA EARLINE	329-8343	9
★	ROADRUNNERS R RANCH	329-6468	6
★	1 BUS	1 RES	0 NEW

## INDIAN AV 92370 PERRIS

18680	HAYES WALTER K	657-2086	9
20324	SCHAFFER PAUL	657-8656	+0
20431	STONE ROBT	657-5706	+0
20583	SANCHEZ JOSE	657-4963	7
20751★	SC VAL VERDE SCHOOL	657-6712	

## INDIAN ST 1980

INDIAN AV		92370 CONT
	★ SC VAL VERDE TRNSP	657-1216
20890	★ BORGIA BROS RANCH	657-5862
	MENDOZA PASTOR	657-4052 8
	NEGRETE LUCILIA	657-1997 +0
21011	COUDURES JOHN	657-2367
21013	XXXX	00
21020	ECHANDI HENRY	657-2817
21031	ARRATEIG PIERRE	657-2581 4
21101	REED G D	657-5040
21580	★ EVANS DICK DIESEL	657-7216 +0
	★ EVANS DICK TRNSP	657-7185 +0
	★ 5 BUS 11 RES	5 NEW

**APPENDIX E**  
**ENVIRONMENTAL DATABASE REPORT**

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT  
Indian Business Park  
Indian Street and Krameria Avenue  
Moreno Valley, California

Farallon PN: 1071-007 (Task 6)

Indian Business Park  
 Indian Street and Krameria Avenue  
 Moreno Valley, CA 92551

Inquiry Number: 4233142.2s  
 March 13, 2015

## The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
 Shelton, CT 06484  
 Toll Free: 800.352.0050  
 www.edrnet.com

FORM LBE-MEM

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

INDIAN STREET AND KRAMERIA AVENUE  
 RIVERSIDE County, CA 92551

#### COORDINATES

Latitude (North): 33.8782000 - 33° 52' 41.52"  
 Longitude (West): 117.2391000 - 117° 14' 20.76"  
 Universal Transverse Mercator: Zone 11  
 UTM X (Meters): 477887.7  
 UTM Y (Meters): 3748482.8  
 Elevation: 1488 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33117-H2 SUNNYMEAD, CA  
 Most Recent Revision: 1980  
 South Map: 33117-G2 PERRIS, CA  
 Most Recent Revision: 1979  
 Southwest Map: 33117-G3 STEELE PEAK, CA  
 Most Recent Revision: 1978  
 West Map: 33117-H3 RIVERSIDE EAST, CA  
 Most Recent Revision: 1980

#### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20120519  
 Source: USDA

#### TARGET PROPERTY SEARCH RESULTS

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

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## EXECUTIVE SUMMARY

### DATABASES WITH NO MAPPED SITES

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

#### STANDARD ENVIRONMENTAL RECORDS

##### Federal NPL site list

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

##### Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

##### Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

##### 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 - Treatment, Storage and Disposal

##### Federal RCRA generators list

RCRA-SQG..... RCRA - Small Quantity Generators  
 RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

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

LUCIS..... Land Use Control Information System

##### Federal ERNS list

ERNS..... Emergency Response Notification System

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

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

##### State and tribal leaking storage tank lists

CA SLIC..... Statewide SLIC Cases

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**EXECUTIVE SUMMARY**

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

**State and tribal registered storage tank lists**

CA UST..... Active UST Facilities  
 CA AST..... Aboveground Petroleum Storage Tank Facilities  
 INDIAN UST..... Underground Storage Tanks on Indian Land  
 FEMA UST..... Underground Storage Tank Listing

**State and tribal voluntary cleanup sites**

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

**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  
 CA SWRCY..... Recycler Database  
 CA HAULERS..... Registered Waste Tire Haulers Listing  
 INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands  
 CA WMUDS/SWAT..... Waste Management Unit Database

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

US CDL..... Clandestine Drug Labs  
 CA Toxic Pits..... Toxic Pits Cleanup Act Sites  
 CA CDL..... Clandestine Drug Labs  
 US HIST CDL..... National Clandestine Laboratory Register

**Local Lists of Registered Storage Tanks**

CA FID UST..... Facility Inventory Database  
 CA HIST UST..... Hazardous Substance Storage Container Database  
 CA SWEEPS UST..... SWEEPS UST Listing

**Local Land Records**

LIENS 2..... CERCLA Lien Information  
 CA LIENS..... Environmental Liens Listing  
 CA DEED..... Deed Restriction Listing

**Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
 CA LDS..... Land Disposal Sites Listing  
 CA MCS..... Military Cleanup Sites Listing  
 CA SPILLS 90..... SPILLS 90 data from FirstSearch

**EXECUTIVE SUMMARY**

**Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
 DOT OPS..... Incident and Accident Data  
 FUDS..... Formerly Used Defense Sites  
 CONSENT..... Superfund (CERCLA) Consent Decrees  
 UNITRA..... Uranium Mill Tailings Sites  
 US MINES..... Mines Master Index File  
 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  
 ICIS..... Integrated Compliance Information System  
 PADS..... PCB Activity Database System  
 MLTS..... Material Licensing Tracking System  
 RADINFO..... Radiation Information Database  
 FINDS..... Facility Index System/Facility Registry System  
 RAATS..... RCRA Administrative Action Tracking System  
 RMP..... Risk Management Plans  
 CA UIC..... UIC Listing  
 CA NPDES..... NPDES Permits Listing  
 CA HIST CORTESE..... Hazardous Waste & Substance Site List  
 CA CUPA Listings..... CUPA Resources List  
 CA DRYCLEANERS..... Cleaner Facilities  
 CA WIP..... Well Investigation Program Case List  
 CA ENF..... Enforcement Action Listing  
 CA HAZNET..... Facility and Inventory Data  
 CA EMI..... Emissions Inventory Data  
 INDIAN RESERV..... Indian Reservations  
 SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
 CA PROC..... Certified Processors Database  
 CA Financial Assurance..... Financial Assurance Information Listing  
 CA MWMP..... Medical Waste Management Program Listing  
 CA HWP..... EnviroStor Permitted Facilities Listing  
 CA HWT..... Registered Hazardous Waste Transporter Database  
 CA WDS..... Waste Discharge System  
 US AIRS..... Aeronetic Information Retrieval System Facility Subsystem  
 COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
 PCB TRANSFORMER..... PCB Transformer Registration Database  
 US FIN ASSUR..... Financial Assurance Information  
 EPA WATCH LIST..... EPA WATCH LIST  
 LEAD SMELTERS..... Lead Smelter Sites  
 2020 COR ACTION..... 2020 Corrective Action Program List  
 COAL ASH DOE..... Steam-Electric Plant Operation Data

**EDR HIGH RISK HISTORICAL RECORDS**

**EDR Exclusive Records**

EDR MGP..... EDR Proprietary Manufactured Gas Plants  
 EDR US Hist Auto Stat..... EDR Exclusive Historic Gas Stations

**EXECUTIVE SUMMARY**

EDR US Hist Cleaners..... EDR Exclusive Historic Dry Cleaners

**EDR RECOVERED GOVERNMENT ARCHIVES**

**Exclusive Recovered Govt. Archives**

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

**SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

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

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

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

**STANDARD ENVIRONMENTAL RECORDS**

**Federal NPL site list**

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

A review of the NPL list, as provided by EDR, and dated 12/16/2014 has revealed that there is 1 NPL site within approximately 1.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE</b>	<b>22 CSG/CC</b>	<b>W 1/4 - 1/2 (0.270 mi.)</b>	<b>0</b>	<b>8</b>

**Federal CERCLIS list**

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System 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 Priority List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 0.625 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE</b>	<b>22 CSG/CC</b>	<b>W 1/4 - 1/2 (0.270 mi.)</b>	<b>0</b>	<b>8</b>

**EXECUTIVE SUMMARY**

**Federal RCRA generators list**

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/09/2014 has revealed that there is 1 RCRA-LQG site within approximately 0.375 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE</b>	<b>22 CSG/CC</b>	<b>W 1/4 - 1/2 (0.270 mi.)</b>	<b>0</b>	<b>8</b>

**Federal institutional controls / engineering controls registries**

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

A review of the US ENG CONTROLS list, as provided by EDR, and dated 09/18/2014 has revealed that there is 1 US ENG CONTROLS site within approximately 0.625 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE</b>	<b>22 CSG/CC</b>	<b>W 1/4 - 1/2 (0.270 mi.)</b>	<b>0</b>	<b>8</b>

US INST CONTROL: 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.

A review of the US INST CONTROL list, as provided by EDR, and dated 09/18/2014 has revealed that there is 1 US INST CONTROL site within approximately 0.625 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE</b>	<b>22 CSG/CC</b>	<b>W 1/4 - 1/2 (0.270 mi.)</b>	<b>0</b>	<b>8</b>

**State- and tribal - equivalent NPL**

CA RESPONSE: Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

A review of the CA RESPONSE list, as provided by EDR, and dated 02/02/2015 has revealed that there is 1 CA RESPONSE site within approximately 1.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE - SITE 24</b>	<b>7,123 ACRES; EAST OF RI</b>	<b>SSW 1/2 - 1 (0.749 mi.)</b>	<b>B8</b>	<b>62</b>

## EXECUTIVE SUMMARY

### State- and tribal - equivalent CERCLIS

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

A review of the CA ENVIROSTOR list, as provided by EDR, and dated 02/02/2015 has revealed that there are 3 CA ENVIROSTOR sites within approximately 1.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>INDIAN MIDDLE SCHOOL</b> Status: Certified	INDIAN AVENUE / IRIS AV	NNE 1/2 - 1 (0.737 mi.)	7	56

Lower Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE - SITE 24</b> Status: Certified	7,123 ACRES; EAST OF RI	SSW 1/2 - 1 (0.749 mi.)	B8	62
<b>MARCH AIR RESERVE BASE</b> Status: Active	3,545 ACRES; EAST OF RI	SSW 1/2 - 1 (0.749 mi.)	B11	76

### State and tribal leaking storage tank lists

CA 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 CA LUST list, as provided by EDR, and dated 01/20/2015 has revealed that there are 6 CA LUST sites within approximately 0.625 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH A F B FLITE LINE	BLDG 1244	WNW 1/4 - 1/2 (0.495 mi.)	A1	49
MARCH A F B REFUELING SYSTEM	BLDG 1269	WNW 1/4 - 1/2 (0.495 mi.)	A2	50
MARCH A F B ALERT FACILITY	BLDG 1305	WNW 1/4 - 1/2 (0.495 mi.)	A3	52
MARCH A F B BLDG 3406	BLDG 3406	WNW 1/4 - 1/2 (0.495 mi.)	A4	53
MARCH A F B BLDG 3409	BLDG 3409	WNW 1/4 - 1/2 (0.495 mi.)	A5	54
MARCH A F B BLDG 550	BLDG 3407	WNW 1/4 - 1/2 (0.495 mi.)	A6	55

### ADDITIONAL ENVIRONMENTAL RECORDS

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

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## EXECUTIVE SUMMARY

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

A review of the CA HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there are 3 CA HIST Cal-Sites sites within approximately 1.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE - SITE 24</b>	7,123 ACRES; EAST OF RI	SSW 1/2 - 1 (0.749 mi.)	B8	62
<b>MARCH AIR FORCE BASE - SITE 40</b>	7,123 ACRES; EAST OF RI	SSW 1/2 - 1 (0.749 mi.)	B9	71
<b>MARCH AIR RESERVE BASE</b>	3,545 ACRES; EAST OF RI	SSW 1/2 - 1 (0.749 mi.)	B11	76

### Other Ascertainable Records

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE (CLOSED)</b>		W 1/4 - 1/2 (0.271 mi.)	0	8

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

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 1.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE</b>	22 CSG/CC	W 1/4 - 1/2 (0.270 mi.)	0	8

CA BOND EXP. 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.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
<b>MARCH AIR FORCE BASE</b>		SSW 1/2 - 1 (0.749 mi.)	B12	114

CA Notify 65: Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

A review of the CA Notify 65 list, as provided by EDR, and dated 10/21/1993 has revealed that there

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## EXECUTIVE SUMMARY

are 2 CA Notify 65 sites within approximately 1.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
<b>BUILDING 062</b>	MARCH AFB	SSW 1/2 - 1 (0.749 mi.)	B10	75
<b>PANERO AIRCRAFT FUELING SYST.</b>	MARCH AFB	SSW 1/2 - 1 (0.749 mi.)	B13	115

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## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

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OVERVIEW MAP - 4233142.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

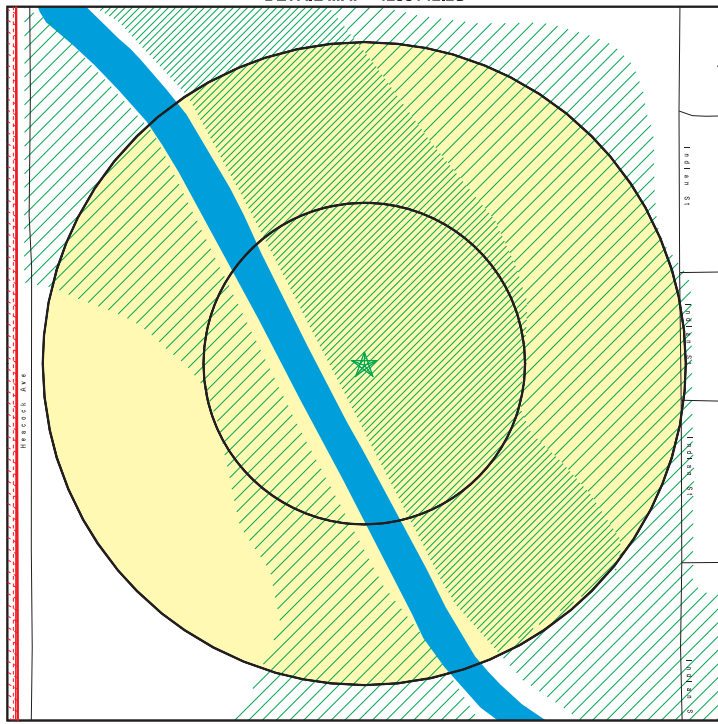
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Indian Business Park  
 ADDRESS: Indian Street and Kramerla Avenue  
 Moreno Valley CA 92551  
 LAT/LONG: 33.8782 / 117.2391

CLIENT: Farallon Consulting, LLC  
 CONTACT: Scott Allin  
 INQUIRY #: 4233142.2s  
 DATE: March 13, 2015 1:06 pm

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DETAIL MAP - 4233142.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

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

SITE NAME: Indian Business Park  
 ADDRESS: Indian Street and Kramerla Avenue  
 Moreno Valley CA 92551  
 LAT/LONG: 33.8782 / 117.2391

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 CONTACT: Scott Allin  
 INQUIRY #: 4233142.2s  
 DATE: March 13, 2015 1:07 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<i>Federal NPL site list</i>								
NPL	1.125		0	0	1	0	0	1
Proposed NPL	1.125		0	0	0	0	0	0
NPL LIENS	0.125		0	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.125		0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
CERCLIS	0.625		0	0	1	0	NR	1
FEDERAL FACILITY	0.625		0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site List</i>								
CERC-NFRAP	0.625		0	0	0	0	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.125		0	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.625		0	0	0	0	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LOG	0.375		0	0	1	NR	NR	1
RCRA-SOG	0.375		0	0	0	NR	NR	0
RCRA-CESOG	0.375		0	0	0	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
US ENG CONTROLS	0.625		0	0	1	0	NR	1
US INST CONTROL	0.625		0	0	1	0	NR	1
LUCIS	0.625		0	0	0	0	NR	0
<i>Federal ERNS list</i>								
ERNS	0.125		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
CA RESPONSE	1.125		0	0	0	1	0	1
<i>State- and tribal - equivalent CERCLIS</i>								
CA ENVIORSTOR	1.125		0	0	0	3	0	3
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
CA SWFLF	0.625		0	0	0	0	NR	0
<i>State and tribal leaking storage tank lists</i>								
CA LUST	0.625		0	0	6	0	NR	6

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA SLIC	0.625		0	0	0	0	NR	0
INDIAN LUST	0.625		0	0	0	0	NR	0
<i>State and tribal registered storage tank lists</i>								
CA UST	0.375		0	0	0	NR	NR	0
CA AST	0.375		0	0	0	NR	NR	0
INDIAN LUST	0.375		0	0	0	NR	NR	0
FEMA UST	0.375		0	0	0	NR	NR	0
<i>State and tribal voluntary cleanup sites</i>								
CA VCP	0.625		0	0	0	0	NR	0
INDIAN VCP	0.625		0	0	0	0	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	0.625		0	0	0	0	NR	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
DEBRIS REGION 9	0.625		0	0	0	0	NR	0
ODI	0.625		0	0	0	0	NR	0
CA SWRCY	0.625		0	0	0	0	NR	0
CA HAULERS	0.125		0	NR	NR	NR	NR	0
INDIAN ODI	0.625		0	0	0	0	NR	0
CA WMUDS/SWAT	0.625		0	0	0	0	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US CDL	0.125		0	NR	NR	NR	NR	0
CA HIST Cal-Sites	1.125		0	0	0	3	0	3
CA SCH	0.375		0	0	0	NR	NR	0
CA Toxic Pits	1.125		0	0	0	0	0	0
CA CDL	0.125		0	NR	NR	NR	NR	0
US HIST CDL	0.125		0	NR	NR	NR	NR	0
<i>Local Lists of Registered Storage Tanks</i>								
CA FID UST	0.375		0	0	0	NR	NR	0
CA HIST UST	0.375		0	0	0	NR	NR	0
CA SWEEPS UST	0.375		0	0	0	NR	NR	0
<i>Local Land Records</i>								
LIENS 2	0.125		0	NR	NR	NR	NR	0
CA LIENS	0.125		0	NR	NR	NR	NR	0
CA DEED	0.625		0	0	0	0	NR	0
<i>Records of Emergency Release Reports</i>								
HMIRS	0.125		0	NR	NR	NR	NR	0
CA CHMIRS	0.125		0	NR	NR	NR	NR	0
CA LDS	0.125		0	NR	NR	NR	NR	0

**MAP FINDINGS SUMMARY**

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CA MCS	0.125		0	NR	NR	NR	NR	0
CA SPILLS 90	0.125		0	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.375		0	0	0	NR	NR	0
DOT OPS	0.125		0	NR	NR	NR	NR	0
DOD	1.125		0	0	1	0	0	1
FUDS	1.125		0	0	0	0	0	0
CONSENT	1.125		0	0	0	0	0	0
ROD	1.125		0	0	1	0	0	1
UMTRA	0.625		0	0	0	0	NR	0
US MINES	0.375		0	0	0	NR	NR	0
TRIS	0.125		0	NR	NR	NR	NR	0
TSCA	0.125		0	NR	NR	NR	NR	0
FTTS	0.125		0	NR	NR	NR	NR	0
HIST FTTS	0.125		0	NR	NR	NR	NR	0
SSTS	0.125		0	NR	NR	NR	NR	0
ICIS	0.125		0	NR	NR	NR	NR	0
PADS	0.125		0	NR	NR	NR	NR	0
MLTS	0.125		0	NR	NR	NR	NR	0
RADINFO	0.125		0	NR	NR	NR	NR	0
FINDS	0.125		0	NR	NR	NR	NR	0
RAATS	0.125		0	NR	NR	NR	NR	0
RMP	0.125		0	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.125		0	0	1	0	1	
CA UIC	0.125		0	NR	NR	NR	NR	0
CA NPDES	0.125		0	NR	NR	NR	NR	0
CA Cortese	0.625		0	0	0	0	NR	0
CA HIST CORTESE	0.500		0	0	0	NR	NR	0
CA CUPA Listings	0.375		0	0	0	NR	NR	0
NY MANIFEST	0.250		0	NR	NR	NR	NR	0
CA Notify 65	1.125		0	0	0	2	0	2
CA DRYCLEANERS	0.375		0	0	0	NR	NR	0
CA WIP	0.375		0	0	0	NR	NR	0
CA ENI	0.125		0	NR	NR	NR	NR	0
CA HAZNET	0.125		0	NR	NR	NR	NR	0
CA EMI	0.125		0	NR	NR	NR	NR	0
INDIAN RESERV	1.125		0	0	0	0	0	0
SCRD DRYCLEANERS	0.625		0	0	0	0	NR	0
CA PROC	0.625		0	0	0	0	NR	0
CA Financial Assurance	0.125		0	NR	NR	NR	NR	0
CA MWMP	0.375		0	0	0	NR	NR	0
CA HWP	1.125		0	0	0	0	0	0
CA HWT	0.375		0	0	0	NR	NR	0
CA WDS	0.125		0	NR	NR	NR	NR	0
US AIRS	0.125		0	NR	NR	NR	NR	0
COAL ASH EPA	0.625		0	0	0	0	NR	0
PCB TRANSFORMER	0.125		0	NR	NR	NR	NR	0
US FIN ASSUR	0.125		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.125		0	NR	NR	NR	NR	0
LEAD SMELTERS	0.125		0	NR	NR	NR	NR	0

**MAP FINDINGS SUMMARY**

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PRP	0.125		0	NR	NR	NR	NR	0
2020 COR ACTION	0.375		0	0	0	NR	NR	0
COAL ASH DOE	0.125		0	NR	NR	NR	NR	0
<b>EDR HIGH RISK HISTORICAL RECORDS</b>								
<b>EDR Exclusive Records</b>								
EDR MGP	1.125		0	0	0	0	0	0
EDR US Hist Auto Stat	0.375		0	0	0	NR	NR	0
EDR US Hist Cleaners	0.375		0	0	0	NR	NR	0
<b>EDR RECOVERED GOVERNMENT ARCHIVES</b>								
<b>Exclusive Recovered Govt. Archives</b>								
CA RGA LF	0.125		0	NR	NR	NR	NR	0
CA RGA LUST	0.125		0	NR	NR	NR	NR	0

NOTES:  
 TP = Target Property  
 NR = Not Requested at this Search Distance  
 Sites may be listed in more than one database

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
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**DOD** MARCH AIR FORCE BASE (CLOSED) **DOD** CUSA143538  
 West MARCH AIR FORCE BASE (CLO (County), CA) N/A  
 1/4-1/2 1431 ft.

**DOD:**  
 Feature 1: Air Force DOD  
 Feature 2: Not reported  
 Feature 3: Not reported  
 URL: Not reported  
 Name 1: March Air Force Base (Closed)  
 Name 2: Not reported  
 Name 3: Not reported  
 State: CA  
 DOD Site: Yes  
 Title name: CARVERSIDE

**NPL** MARCH AIR FORCE BASE **NPL** 1000169261  
 West 22 CSG/CC CERCLIS CA4570024527  
 1/4-1/2 RIVERSIDE, CA 92518 RCRA-LQG  
 1426 ft. US ENG CONTROLS  
 US INST CONTROL  
 ROD  
 NY MANIFEST  
 PRP

**NPL:**  
 EPA ID: CA4570024527  
 EPA Region: 09  
 Federal: Y  
 Final Date: 1989-11-21 00:00:00

**Category Details:**  
 NPL Status: Currently on the Final NPL  
 Category Description: Depth To Aquifer-> 50 And <= 100 Feet  
 Category Value: 65  
 NPL Status: Currently on the Final NPL  
 Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile  
 Category Value: 10

**Site Details:**  
 Site Name: MARCH AIR FORCE BASE  
 Site Status: Final  
 Site Zip: 92518  
 Site City: RIVERSIDE  
 Site State: CA  
 Federal Site: Yes  
 Site County: RIVERSIDE  
 EPA Region: 09  
 Date Proposed: 07/14/89  
 Date Deleted: Not reported  
 Date Finalized: 11/21/89

**Substance Details:**  
 NPL Status: Currently on the Final NPL  
 Substance ID: Not reported

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
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**MARCH AIR FORCE BASE (Continued)** 1000169261

Substance: Not reported  
 CAS #: Not reported  
 Pathway: Not reported  
 Scoring: Not reported  
 NPL Status: Currently on the Final NPL  
 Substance ID: A046  
 Substance: POLYCHLORINATED BIPHENYLS  
 CAS #: 1336-36-3  
 Pathway: GROUND WATER PATHWAY  
 Scoring: 3  
 NPL Status: Currently on the Final NPL  
 Substance ID: U210  
 Substance: TETRACHLOROETHENE  
 CAS #: 127-18-4  
 Pathway: GROUND WATER PATHWAY  
 Scoring: 2  
 NPL Status: Currently on the Final NPL  
 Substance ID: U228  
 Substance: TRICHLOROETHYLENE (TCE)  
 CAS #: 79-01-6  
 Pathway: GROUND WATER PATHWAY  
 Scoring: 2

**Summary Details:**  
 Conditions at proposal July 14, 1989: March Air Force Base (MAFB) covers approximately 7,000 acres near Riverside in the Moreno Valley in Riverside County, California. MAFB is adjacent to light industrial, agricultural, and residential areas. Established in 1918 as the Alessandro Aviation Field, MAFB has served as a training base and refueling operations base. Industrial operations including aircraft maintenance and repair involved use of solvents and disposal of solvent wastes. MAFB is participating in the Installation Restoration Program (IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. As part of IRP, the Air Force investigated 28 potentially contaminated disposal areas. MAFB Well No. 1 on-base was found to be contaminated with trichloroethylene, tetrachloroethylene, and cis-1,2-dichloroethylene at levels that exceed State drinking water standards. It was taken out of service. Soils on the base are contaminated with toluene and benzene. An estimated 11,600 people obtain drinking water from municipal wells within 3 miles of hazardous substances on MAFB. The Air Force is conducting a remedial investigation/feasibility study (RI/FS) to determine the type and extent of contamination at the base and identify alternatives for remedial action. Status November 21, 1989: Field work continues on the RI/FS.

**Site Status Details:**  
 NPL Status: Final  
 Proposed Date: 07/14/1989  
 Final Date: 11/21/1989  
 Deleted Date: Not reported

**Narratives Details:**  
 NPL Name: MARCH AIR FORCE BASE  
 City: RIVERSIDE

MARCH AIR FORCE BASE (Continued) 1000169261

State: CA

CERCLIS:  
 Site ID: 0902761  
 EPA ID: CA4570024527  
 Facility County: RIVERSIDE  
 Short Name: MARCH AIR FORCE BASE  
 Congressional District: 41  
 IFMS ID: 09N6  
 SMSA Number: 6780  
 USGC Hydro Unit: 18070202  
 Federal Facility: Federal Facility  
 DMNSN Number: 7000.00000  
 Site Orphan Flag: N  
 RCRA ID: Not reported  
 USGS Quadrangle: Not reported  
 Site Init By Prog: Not reported  
 NFRAP Flag: Not reported  
 Parent ID: Not reported  
 RST Code: Not reported  
 EPA Region: 09  
 Classification: Federal Facility  
 Site Settings Code: SU  
 NPL Status: Currently on the Final NPL  
 DMNSN Unit Code: ACRE  
 RBRAC Code: Not reported  
 RRSP Fed Agency Code: USAF  
 Non NPL Status: Not reported  
 Non NPL Status Date: / /  
 Site Flps Code: 06065  
 CC Concurrence Date: / /  
 CC Concurrence FY: Not reported  
 Alias EPA ID: Not reported  
 Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):  
 Contact ID: 9000102.00000  
 Contact Name: John Lucy  
 Contact Tel: (415) 972-3145  
 Contact Title: Remedial Project Manager (RPM)  
 Contact Email: Not reported

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

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

Contact ID: 13004003.00000

MARCH AIR FORCE BASE (Continued) 1000169261

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

CERCLIS Site Alias Name(s):  
 Alias ID: 101  
 Alias Name: MARCH AFB  
 Alias Address: Not reported  
 Alias ID: 102  
 Alias Name: MARCH AIR FORCE BASE  
 Alias Address: 22 CSG/CC  
 MARCH AFB, CA 92518  
 Alias ID: 103  
 Alias Name: MARCH AIR FORCE BASE  
 Alias Address: 22 CSG/CC  
 RIVERSIDE, CA 92518  
 9270150  
 Alias Name: MARCH USAF BASE  
 Alias Address: OLDB MARCH 3430 BUNNY AVENUE  
 MARCH AFB, CA 92311

Alias ID: 101  
 Alias Comments: PREVIOUS EPA ID# AZD 981 416 977  
 Site Description: March Air Force Base originally a 640 acres site called Alessandro Aviation Field, was officially opened March 1, 1918. The base was initially used to train "Jenny" pilots during World War I. The base was closed for about four years after the war and was then reopened in 1927. By 1938, the base was considered to be the central location for west coast bombing and gunnery training. In 1949, the Strategic Air Command took control of the base. Since that time, the base has hosted bombers, refuelers, and cargo aircraft. In June 1992, the base became an Air Mobility Command installation. Its primary mission is refueling, but reserve and guard units have cargo and fighter missions as well. In September 1993, March AFB was designated by Congress to realign its forces. The Base will be redesignated "March Air Reserve Base" and is expected to decrease to about 1/3 of its present size. After realignment, property that is not retained by the base will be available for transfer. The U.S. Air Force, due to its primary mission in national defense, has long been engaged in a wide variety of operations that involve the use, storage, and disposal of hazardous waste. In 1980, the Installation Restoration Program (IRP) was developed by the Department of Defense (DOD) to locate and cleanup hazardous waste sites. At March AFB, aircraft maintenance, fuel storage operations, fire-training exercises, and base operations have generated a variety of hazardous wastes. Consequently, several areas of soil and groundwater on-base have been contaminated. In September 1983 the IRP process began. The results were records indicating 30 potentially contaminated sites which required further investigation. A second study, completed in March 1987, indicated that 5 of the 30 sites required even further investigation to determine the type and extent of contamination in the soil and groundwater. In June 1987, further investigation was done, indicating that additional work was required to better define the extent of contamination and to research possible off-base migration of TCE in groundwater. In November 1989, March AFB was added to the National Priorities List (NPL) primarily due to the contamination of groundwater on-base. In September 1990, a Federal Facilities Agreement (FFA) was signed by the Air Force, U.S. Environmental Protection Agency (EPA), and the State of California. Three separate OUs were created based on geographic location of sites, similarity of contaminants, and

MARCH AIR FORCE BASE (Continued) 1000169261

location of groundwater contaminant plumes. The subject of this ROD (6/20/96) is OU-1, OU-1 includes Sites 4,5,7,9,10,13,14,15,16,18,20,31,34, and 38. Groundwater at Sites 4, 18, 31, and the OU-1 Groundwater Plume, and soil at Sites 4,10,15,18,31, and 34 require remedial action. Sites 5,7,9,13,14,16,20, and 38 are considered no further action. Sites 21 and 23 are covered in OU-2 ROD. Site 33, the Panero Aircraft Fueling System is detailed in OU-3. The following are Sites that require Groundwater remediation: OU 1-Groundwater Plume - The OU-1 Groundwater Plume is the most widespread plume at the base, extending from Site 31 south and east through the area of Sites 34, 9, and 5, and extending to a maximum of approximately 1300 feet beyond the eastern boundary and 1500 feet south of Site 5 off-base. Numerous contaminants, including TCE, were detected. Site 4 Groundwater Plume - This plume is localized in the vicinity of Site 4 with the apparent source area near the southern end of Site 4. The contaminants with the highest concentration are TCE and PCE. Site 18 - Groundwater Plume - This plume is localized in the vicinity of Site 18 with the apparent source area west of the engine test cell in the center of Site 18. Fuel has been detected in four of the ten monitoring wells to date. Site 31 - Groundwater Plume - Concentrations of contaminants at Site 31, primarily TCE, are much higher than those in the rest of the OU-1 Plume, and these high concentrations are confined to a relatively small area. These conditions coupled with the history of Site 31 (reported solvent disposal) indicate that Site 31 is a likely source for much of the TCE found in OU-1 groundwater. Therefore, even though the Site 31 plume has the same contaminants and is continuous with the OU-1 plume, it is appropriate to treat Site 31 separately from the remainder of the OU-1 plume, in order to eliminate the source of contamination. Sites That Require Soil Remediation Include: Site 4 - Landfill No.6 - a landfill operating from 1955 to 1969, covering 8.5 acres, and located along the eastern boundary of the base, south of the East Gate. The landfill is up to 25 feet deep, containing primarily sanitary waste, construction rubble, and thinners. Small amounts of medical wastes and empty fuel containers are also present. There are low levels of chlorinated solvents in the soil and soil gas, as well as elevated concentrations of trichloroethylene (TCE) and tetrachloroethylene (PCE) in the groundwater. Both TCE and PCE are found in solvents used to clean and degrease military equipment. Vinyl chloride, a breakdown product of TCE and PCE, has also been detected in Site 4 groundwater. The landfill is considered the source of contaminants detected in groundwater downgradient of the site. Site 10 - Flightline Drainage Channel - This site, installed prior to 1940, is located southeast of the flightline aircraft maintenance areas. The channel is concrete lined (since the 1960s) up to the eastern boundary of the base where it discharges to the Perris Valley Slorm Drain (PVSD). The PVSD flows east approximately 2 miles, where it joins another drainage and flows south approximately 6 miles to the San Jacinto River. The channel has reportedly received various waste oils, hydraulic fluids, diesel fuel, jet fuel, waste paints, paint strippers, paint thinners, battery acids and solvents, including TCE. Prior to 1974, wastes may have been discharged directly to the PVSD. Since 1974, the main oil/water separator has pretreated the runoff before its discharge off-base. Site 15 - Fire Protection Training Area No.3- This site is located southeast of the end of runway 12-30 and between Sites 5 and 7. The area was developed in 1978 and was reportedly constructed by placing an underdrain system and gravel over a clay liner. Firefighting water, solutions of Aqueous Film Forming Foam (AFFF), and residual fuel used during training exercises were drained to a formerly unlined water holding pond located adjacent to Site 15. Approximately 6,000 gallons per year of contaminated JP-4 have been burned in training exercises since the facility was constructed in 1978. This Site is no longer being used as a fire training area. Site 18 - Engine Test Cell - This site is located on the flightline,

MARCH AIR FORCE BASE (Continued) 1000169261

south of Taxiway No.2, and has been inactive for several years. The test cell was constructed in 1957 for the purpose of testing aircraft engines. An oil/water separator was installed in 1976, water from the separator was discharged to the base wastewater treatment plant. The oil was collected by a contractor for off-base disposal. Prior to 1976, spills of oil, fuel, and solvents were drained to a nearby ditch. Potential sources of fuel include overflow of tanker trucks and fuel tanks on aircraft that have been parked nearby. Site 31 - Unconfirmed Solvent Disposal - Site 31 is located off Graber Street on the east side of Building 1211. The practice of discharging solvents on the ground reportedly occurred from about the mid-1950s to the mid-1970s. In addition, floor drains from maintenance shops may have leaked solvents to the subsurface. Groundwater sampling at the site has indicated TCE concentrations which exceed State and Federal drinking water standards. Site 34 - Pritchard Aircraft Fueling System - Site 34 is located next to Building 1245, at the southeast end of Taxiway No. 1. In 1962, six 50,000 gallon tanks were moved to this site from the Pabero Fueling System. In 1990, this system was discontinued, and in 1991, the tanks and system were removed. During a geological investigation stained soils and fuel odors were observed. Sites With No Further Action Planned: Site 5 - Landfill No.3 - This Site covers approximately 5 acres and is located southeast of the present flightline. The landfill was reportedly operated from the late 1940s to approximately 1960. Landfill wastes consist primarily of sanitary waste and construction rubble. Site 7 - Fire Training Area No.2 - This Site is located on the eastern part of the base, north of the Alert Facility. Between 1954 and 1978, fire training exercises were conducted in unlined training pits. Three distinct burn pits were identified in historic aerial photographs of the base. A portion of this Site may have been used for crash rescue training. Wastes used in those exercises reportedly included contaminated fuel, waste solids, and spent solvents. Site 9 - Main Oil/Water Separator - Site 9 is located north of the Site 6 area at the southeast end of the flightline apron. Site 9 was constructed in 1974 and serves the main storm, drainage system for the flightline apron and the flightline shops. The storm drains have reportedly received waste oils, hydraulic fluids, diesel fuel, waste paints, spent solvents, paint strippers, paint thinners, and battery acids. The oil/water separator is of earthen construction with a large baffles that divides the separator into two compartments. The separated oil is picked up by a skimmer and pumped to a holding tank for off-base disposal. This facility drains into the flightline Drainage Channel (Site 10) and then to the Perris Valley Storm Drain Lateral A. Site 13 - Tank Truck Spill Site - Site 13 is located along the eastern perimeter road of the base, within the northern portion of Site 5. In 1973, approximately 5,000 gallons of JP-4 jet fuel spilled from a tank truck to the ground at this location. The accidental discharge resulted from a mechanical malfunction. There was no reported containment or cleanup activities. Site 14 - Liquid Fuel Pump Station Overflow - Site 14 is located southeast of the flightline apron and about 50 to 100 feet east of the East March Sludge Drying Beds (Site 16). In 1973, approximately 1,000 gallons of JP-4 jet fuel spilled onto the ground. The spill occurred due to an overflow of the liquid fuel pump station at Building 1245. The spill was contained in the unpaved area south of the pump station and allowed to percolate into the ground. Site 16 - East March Sludge Drying Beds - Site 16 is located on the eastern part of the base, at the south end of the flight line parking apron, and near the former East March Wastewater Treatment Plant. The treatment plant was constructed in 1938 and provided secondary treatment for sanitary and industrial wastewater. Primary and secondary sludges were digested anaerobically, dewatered on unlined sludge drying beds, and disposed of in an on-base landfill. The sludge may have contained heavy metals and organics resulting from discharges of industrial wastes to the sanitary sewer system.

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These drying beds operated from 1938 to 1977, when the plant was destroyed in place. Site 29 - Fire Training Area No. 1 - Site 29 is located at the eastern part of the base, north of Site 9. The area was used as a fire training pit prior to 1951. Suspected contaminants at the site include contaminated fuel, waste oil, and spent solvents Site 38 (PCB Contamination, Building 1311). Building 1311 is located at the southeast end of the taxiway, northwest of IRP Site 23. In 1984, soils from four areas contaminated with transformer oils were sampled. Soils from two of the areas (Buildings 317 and 1305) were determined to be PCB-contaminated. The soils were excavated and removed from the Base. Records to verify the cleanup have not been located. The RUFSS report and Proposed Plan for OU-1 were released to the public on April 28, 1994. These two documents were made available via the Administrative Record, the information repositories at the Moreno Valley and March AFB libraries, and at the Moreno Valley Chamber of Commerce. A fact sheet, condensed from the Proposed Plan, was sent to everyone on the March AFB mailing list, which includes Restoration Advisory Board (RAB) members. An OU-1 RUFSS subcommittee, formed by the RAB, provided oral comments to the RAB at its April 26, 1994 meeting. The Final RUFSS Report was published in July 1994. A public comment period was held from April 28 to May 28, 1994. In addition, a public meeting was held on May 12, 1994 at 7 p.m. at Best Western Image Suites in Moreno Valley. Representatives of the U.S. Air Force, EPA, Department of Toxic Substances Control, and California Regional Water Quality Control Board, Santa Ana, attended the public meeting to address any questions about the RUFSS and Proposed Plan. March Air Force Base (AFB) is located on 7,123 Acres in the northern end of the Perris Valley, east of the city of Riverside, in Riverside County, California, approximately 60 miles east of Los Angeles and 90 miles north of San Diego. The base lies in sections of Township 3 South, Range 4 West. The population of Riverside County is 1,700,413 and consists primarily of English and Spanish speaking citizens. The climate of the March AFB area is characterized as Mediterranean to semi-arid, varying according to elevation and distance from the Pacific Ocean. The weather generally consists of warm to hot, dry summers and mild winters. Current land use on March AFB is classified as residential and light industrial. Maintenance facilities, warehouses, and administrative centers support the mission. The land surrounding March AFB area includes areas of residences in all directions around the Site, light industry to the north, and agriculture to the east and south. With the exception of small surface water ponds that are used for agricultural purposes, there are two permanent surface water bodies within 3.5 miles of March AFB. Lake Perris, located 4 miles southeast of the base, provides approximately 130,000 acre feet of storage for State Project Water brought in by the California Aqueduct which runs north and east of the base. An east-west portion of the Colorado River Aqueduct is located approximately 3.5 miles south of the base. This aqueduct flows in to Lake Matthews, which is located about 10 miles west of March AFB. A very small recreation lake is located approximately 2 miles east of the base. It is maintained by the Moreno Valley Ranch homeowners association and is located just south of Iris Street and west of Lasselle Street in the City of Moreno Valley. A number of wetlands and riparian areas have been identified on and in the immediate area of the base, most are located on West March, outside OU-1. The U.S. Army Corps of Engineers determined that approximately 2.17 acres of jurisdictional wetlands exist in the Heacock Drain Channel, with .8 acres of wetlands adjacent to the Site 4 landfill. The wetlands are not continuous but are localized patches of wetland vegetation that change position each year due to high volume, high velocity storm water flow from the spring rains through these channels which causes scouring of the earthen bottom and sides. Many industrial, agricultural and domestic wells exist in the Perris Valley. Four on-base wells and two off-site wells southeast of the base were

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formerly used for the base water supply. One of these wells was shut down in February 1984 due to trichloroethylene (TCE) contamination, the other 3 on-base wells were shut down due to low yields. The two off-site wells are located southeast of the base in the center of Perris Valley. Although both of these wells are operable only one is occasionally used for emergency service, while the other is dormant. All base water is currently supplied by the Eastern Municipal Water District. OU-1 is made up of Sites 4, 5, 7, 9, 10, 13, 14, 15, 16, 18, 29, 31, 34, and 38. Sites 21 and 23 are included in the OU-2 ROD. Site 10 (Flightline Drainage Channel). This site is located southeast of the flightline aircraft maintenance areas. The drainage channel, which was installed prior to 1940, has reportedly received various waste oils, hydraulic fluids, diesel fuel, jet fuel, waste paints, paint strippers, paint thinners, battery acids and solvents (including TCE). The drainage channel is concrete lined (since the 1960s) up to the eastern boundary of the base where it discharges to the Perris Valley Storm Drain. The Perris Valley Storm Drain flows east approximately 2 miles, where joins another drainage and flows south approximately 6 miles to the San Jacinto River. Prior to 1974, waste disposed of in the drainage channel may have been discharged directly to the Perris Valley Storm Drain. Since 1974, the main oil/water separator (Site 9) has pretreated the runoff before its discharge of base. Primary contaminants of concern are polycyclic aromatic hydrocarbons (PAHs), which were detected in drainage ditch sediments. PAHs are a series of petroleum derivatives found in many fuel and asphalt compounds. Site 15 (Fire Protection Training Area Number 3). This site is located southeast of runway 12-30 and between Sites 5 and 7. The area was developed in 1978 and was reportedly constructed by placing an underdrain system and gravel over a clay liner. Firefighting water, solutions of Aqueous Film Forming Foam (AFFF), and residual fuel used during training exercises were drained to a formerly unlined waterholding pond located adjacent to Site 15. Approximately 6,000 gallons per year of contaminated JP-4 have been burned in framing exercises since the facility was constructed in 1978. The site is no longer being used as a fire training area. The primary contaminant of concern is phenanthrene, a PAH. Selected Remedy (as described in the OU 1 ROD). For both Sites 10 and 15, the preferred method of cleanup of these soils is excavation and low-temperature thermal desorption. Need for Explanation of Significant Differences (ESD): The Record of Decision (ROD) selected remedy for soils at Sites 10 and 15 was excavation and low temperature thermal desorption. The soils were excavated and treated by bio-remediation and properly recycled to approved regulatory standards. This ESD will be entered in the Administrative Record maintained at March AFB. An Explanation of Significant Differences for Operable Unit 01 for the March Air Force Base Site was completed in August 2000. Sites that require soil remediation include Sites 4, 10, 15, 18, 31, 34. Sites that require groundwater remediation include OUI and Sites 4, 18, and 31 groundwater plumes. Sites with No Further Action Planned: Site 5, 7, 9, 13, 14, 16, 29, 38. OU 2: In 1980, the Installation Restoration Program (IRP) was developed by the Department of Defense as the mechanism for the CERCLA process, incorporating applicable Resource Conservation Recovery Act (RCRA) regulations as well as meeting requirements of the National Oil and Hazardous Substance Pollution Contingency Plan (NCP) (40 CFR, Part 300). The Air Force conducted a Phase I records search of 30 potentially contaminated IRP sites on the Base. There are now a total of 44 IRP sites at the former March AFB and current March ARB. The primary contaminants identified in the IRP include chlorinated solvents, fuels, polychlorinated biphenyls (PCBs), and polynuclear aromatic hydrocarbons (PAHs). Contamination by PAHs and PCBs appears to be restricted to surface and near-surface soils whereas fuel hydrocarbons and solvents tend to be predominant contaminants in subsurface soils and groundwater. The lead agency for cleanup of the closed portions of March AFB is the Air Force. The

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EPA, the California Department of Toxic Substances Control (DTSC), and the Santa Ana Regional Water Quality Control Board (RWQCB) are all support agencies for cleanup activities at the Base. The current land use and adjacent land use for most of the OU 2 Air Force Real Property Agency (AFRPA) sites is vacant land/open space with limited commercial and residential land use adjacent to some of the sites. Site 3 and the adjacent areas are undeveloped land. Site 6 contains an engineered waste cell. There is a residential area to the south and a golf course is to the east of Site 6. Site 12 was the former civil engineering yard with numerous structures. Site 12 is not currently utilized. Residential land use occurs to the east of Site 17. Air Force command facilities such as offices are located to the north and west of the Site 17. Site 19 is currently a part of the operating wastewater treatment plant. Structures relating to plant operations are located on-site and to the west and north. Site 20 and 26 and the adjacent areas are undeveloped land. A former water treatment plant is located at Site 26 west of Site 20. This facility is no longer used. Site 23 is an active agricultural area, surrounded by currently vacant land to the north, south and east. Air Force land consisting of open space is west of Site 23. Site 25 and the adjacent areas is undeveloped land, with nearby residential development to the south. The three Site 35 subareas and Site 42 are former UST locations within landscaped areas adjacent to structures. The areas near Site 35a, 35b and Site 42 are still actively used as office and dormitory areas, but the Site 35c area is no longer used. Sites 30 and 40 are open space with some riparian vegetation. A residential area is located to the north and west of Site 40. The OU 2 sites are located on that portion of March AFB that may be converted to non-Air Force use. Site 23 is on private land. The anticipated land use for most of the OU 2 Air Force Real Property Agency (AFRPA) sites is commercial or industrial use. Alternative land uses have also been assessed and areas of West March could remain open space such as the Stephens Kangaroo Rat (SKR) Conservation Area. March AFB is located in the North Perris Groundwater Basin. Currently, there are no potable groundwater resources extracted at the OU 2 AFRPA sites. The relatively thin water-bearing zone on West March is not anticipated to yield substantial quantities of water. Therefore, the potential for extraction and use of groundwater from the West March AFRPA sites is limited, both now and in the foreseeable future. Water-bearing sufficient groundwater for use may be present at AFRPA sites on the Main Base and Site 23, and should be considered a potential potable water source. Surface water is not currently used at the OU 2 AFRPA sites. Surface water areas such as at Site 6, 30 and 40 may remain as wetlands depending on future site development. OU2 consists of a number of sites. Each site is described below. Site 3 is a former 23-acre landfill located south of Cactus Avenue and west of Plummer Road. Riparian vegetation is found in the drainage areas. Site 3 is located in the 1,300-acre Stephens Kangaroo Rat (SKR) reserve. The Site 3 landfill was used from 1954 through 1974. The landfill received household and dumpster waste, construction debris, and military waste from the Base. The military wastes included empty tanks, spent munitions, and miscellaneous wastes such as parachutes, medical waste, and fire hoses. Some of the contaminants found in the wastes included volatile organic compounds, pesticides, PCBs, PAHs, and munitions residues. The Air Force was concerned that the waste in the landfill might contaminate the soil and groundwater. After discussions with the regulatory agencies and the public, a decision was made to clean up the site by removing the landfill waste. An interim removal action was completed in late 1995 and early 1996. Approximately 223,200 cubic yards of landfilled materials and soil were removed. Excavated materials from Site 3 to be transported to and disposed of in the engineered waste cells at Site 6 were tested for organic and inorganic constituents during the remedial investigation and monitored during the removal action according to approved work plans. Site 6 is located on West March,

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north of the Air Force Village West residential development, south of Van Buren Boulevard, east of Plummer Road, and west of Air Force Village West Drive. The landfill comprised three discrete areas: Site 6a (approximately 15 acres) the location of the main former landfill area; Site 6b Quarry (approximately 0.6 acre) the location of a former quarry; and Site 6b Pond (approximately 2.6 acres) the location of a pond. Site 6 was used by March AFB from the early 1950s to the early 1980s for disposal of household waste and construction debris. Polynuclear aromatic hydrocarbons (PAHs), PCBs, pesticides, herbicides, and dioxins were found in samples of soil and water collected during the OU 2 RI. An interim removal action was conducted in 1995. Approximately 63,000 cubic yards of waste were removed from Site 6a and temporarily stockpiled. Waste at Site 6a was removed from the vadose zone and beneath groundwater including soil contaminated with petroleum hydrocarbons. Waste was also removed from the pond, including debris and tar. Two engineered waste cells, over 12 acres in size, were constructed in the Site 6a area. No confirmatory samples were taken of soils and bedrock under Site 6a because the bottom of the excavation was below the water table and sample results would not be meaningful. This site was treated as a closure in place rather than a clean closure. Stockpiled waste from Site 6a was landfilled back into the engineered waste cells over Site 6a. Excavated materials from Site 6a to be disposed of in the engineered waste cells at Site 6 were tested for organic and inorganic constituents during the remedial investigation and monitored during the removal action according to approved work plans. Site 12, the 20-acre Base Civil Engineering Yard, is located north of MacDill Street, between Lackland Avenue and Travis Avenue. The area is developed with numerous structures and is partially paved with asphalt. From the 1950's to 1996, Site 12 was the civil engineering yard for general maintenance operations for March AFB. It included a carpentry shop, electrical shop, paint shop, pesticide shop, and storage areas for heavy equipment. These shops used and stored a variety of hazardous materials including paints and paint-related products, petroleum hydrocarbons, acids, and drums labeled hazardous waste. During the OU2 RI, PAHs and hexavalent chromium were found in soil samples. The contaminant 1,1-dichloroethene (1,1-DCE) was found in soil vapor samples in a small area in deeper soils near Building 2507. Groundwater beneath Site 12 has become impacted by trichloroethene (TCE) and tetrachloroethene (PCE). The groundwater contamination is in a small area and is only slightly above maximum contaminant levels (MCLs). Periodic monitoring of the groundwater to observe changes in contaminant concentrations is being conducted. After discussions with the regulatory agencies and the public, a limited interim removal action was taken in 1996 to ensure that the site could be used for industrial purposes by removing soils contaminated with PAHs and hexavalent chromium at the northwest portion of Site 12. Approximately 2,000 cubic yards of non-hazardous contaminated soil was excavated from a small area in the northwest portion of the site and placed in the engineered waste cells at Site 6. Excavated materials from Site 12 to be transported to and disposed of in the engineered waste cells at Site 6 were tested for organic and inorganic constituents during the remedial investigation and prior to excavation activities for the removal action according to approved work plans. Site 17 is a former Base swimming pool located on the Main Base on U Street between DeKay and K Streets. The area is vacant land, adjoining Base housing to the east and south. The former swimming pool at Site 17 was closed in 1976. After it was closed, the pool was used as a disposal site and the wastes were covered with soil. After discussions with the regulatory agencies and the public, a decision was made to clean the site by removing the waste. The pool and its contents were removed during a 1994 interim removal action. The wastes were taken off the Base for disposal. After the interim removal action, low levels of PCBs were still detected in soils at least 8 feet beneath the ground surface. The pool

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excavation was filled with clean soil, leaving the PCBs in place. No PCB contamination has been found in the groundwater and the PCBs are not expected to migrate to groundwater. Confirmation sampling conducted after the interim removal action demonstrated that PCBs remain at the site at levels of concern to human health. Site 19 is about 7 acres in size, located at the southern end of West March, east of the active wastewater treatment plant. The site is generally vacant land with four concrete lined drying beds in the western portion of the site. Site 19 contains the four active lined sludge-drying beds and three inactive, unlined sludge-drying beds associated with the wastewater treatment plant. The plant was constructed in 1941 and used to process the wastewater from Camp Haan and March AFB. A total of 10 sludge-drying beds have historically been used at the site. Three of these beds have been backfilled. In 1990 when the plant was upgraded, four lined drying beds were constructed at the location of previously unlined beds. In the past, wastewater treatment sludge was spread out in the unlined drying beds to dry. When dry, the sludge was removed from the drying beds. Recently, the dried sludge has been removed from the Base for disposal. Past disposal practices are unknown. PAHs, PCBs, hexavalent chromium, and thallium were found in soil samples in the area of the unlined sludge beds at levels above residential PRGs. Site 20 is located adjacent to the southwest portion of March AFB, on the property acquired by the Department of Veterans Affairs from the Air Force in the 1970s. Site 20 is a former landfill about 7 acres in size used between 1958 and 1965 as a disposal site for household waste and construction debris. Some of the chemicals found in the soils at Site 20 included PAHs, dieldrin, PCBs, and 1,4-dichlorobenzene. The Air Force was concerned the waste in the landfill could contaminate soil and groundwater. After discussions with the regulatory agencies and the public, a decision was made to clean up the site by removing the landfilled waste. The interim removal action at Site 20 was conducted in conjunction with the removal of dried sludge at Site 26a and 26b. Dried sludge of Site 26b covered a portion of Site 20. Approximately 116,000 cubic yards of non-hazardous soil, debris, and dried sludge were removed from Sites 20 and 26 in 1996 and placed in the engineered waste cells at Site. Excavated materials from Site 20 to be transported to and disposed of in the engineered waste cells at Site 6 were tested for organic and inorganic constituents during the remedial investigation and monitored during the removal action according to approved work plans. According to the As-Built Construction Report OJ2, Site 6a, all materials from Site 20 placed in the Site 6 engineered waste cells met the requirements of CFR Title 23, Section 2523 (currently CFR Title 27, Section 20220) for a non-hazardous solid waste landfill. After the waste was removed from Site 20, confirmation samples from beneath the former landfill were tested. The results confirmed that the site had been cleaned to levels protective of human health and the environment. No restriction on future use of the land is required. Site 22 is a suspected former landfill east of and adjacent to Interstate 215. The original 7-acre area of Site 22 was expanded to 15 acres by extending the northern site boundary to ensure all potential areas of concern were investigated. The location of the landfill was based on limited evidence. Investigations could not locate any landfilled materials or debris. Geophysical surveys were used to find buried metal or disturbed soils. Soil gas sampling was also conducted at this site. Finally, soil and groundwater were sampled. No contaminants were found in any of the samples and the geophysical surveys found no buried waste. This evidence showed that a landfill did not exist in this area. This site was investigated during the OJ2 remedial investigation and levels of contamination requiring remedial action were not identified. There was no risk assessment completed on Site 22 because no contaminants were found and the site poses no risk to human health or the environment. No restriction on future use of the land is required. Site 23 is located off-Base to the east, near the intersection of Nandina Avenue

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and Heacock Street in the City of Moreno Valley. Between 1938 and 1977, Site 23 was a 1-acre holding pond for wastewater that had been treated and used for irrigation of agricultural crops. In 1991, the pond was filled in, and it and the surrounding areas were leveled. The land is now used as a commercial sod farm and irrigated with reclaimed water from the Moreno Valley wastewater treatment plant. This site was investigated during the OJ1 remedial investigation and no contamination requiring remedial action was identified. There was no risk assessment completed on Site 23 because no contaminants were found and the site poses no risk to human health or the environment. No restriction on future use of the land is required. Site 24 is a former 3-acre landfill, west of Site 19. Site 24 was reportedly used between 1941 and 1965 to dispose of household waste and military waste. A small amount of soil from bullet backstop berms may have been placed in the landfill as well as some ash from an incinerator. Some of the contaminants found in the waste included PAHs, PCBs, antimony, barium, and cadmium. The Air Force was concerned that the waste in the landfill could contaminate groundwater. After discussions with the regulatory agencies and the public, a decision was made to clean up the site by removing the landfilled waste. In December 1996, approximately 19,300 cubic yards of non-hazardous, landfilled waste was removed and placed in the engineered waste cells at Site 6. Excavated materials from Site 24 to be transported to and disposed of in the engineered waste cells at Site 6 were tested for organic and inorganic constituents during the remedial investigation and monitored during the removal action according to approved work plans. Site 25 covers approximately 33 acres and is located south of Cactus Avenue. Site 25 was used in the past for open air detonation and burning of munitions. Three areas with shallow trenches were used to bury munitions residue after destruction. Some of the contaminants found in the soils at this site included nickel, 1,3,5-trinitrobenzene, nitroxyacetin, benzothiofene, and RDX, all of which are munition residues. Additionally, 1,1-dichloroethene was also found. The Air Force was concerned that the contaminants in soil would cause groundwater contamination. After discussions with the regulatory agencies and the public, a decision was made to clean up the site by removing the debris and contaminated soils. Approximately 3,000 cubic yards of non-hazardous waste from the trenches and contaminated soils were removed and disposed of in the engineered waste cells at Site 6. Excavated materials from Site 25 to be transported to and disposed of in the engineered waste cells at Site 6 were tested for organic and inorganic constituents at a rate of about 1 sample for every 200 cubic yards of excavated materials during the removal action. Testing was also performed as part of the remedial investigation. Site 26 covers approximately 3 acres and is located in the southwest portion of March AFB. Site 26 is subdivided into two areas, Site 26a and 26b. Site 26a is located over a portion of the Site 20 landfill. Site 26a is located on property controlled by the AFAPA and Site 26b is on the property of the Department of Veterans Affairs. Site 26 was used for disposal of lime sludge that was a waste from the treatment of drinking water for March AFB. From 1941 to 1984, the water treatment plant treated Colorado River water used to supplement the drinking water supply for the Base. Arsenic from the treated Colorado River water was found in the lime sludge at low levels. After discussions with the regulatory agencies and the public, a decision was made to clean up the site by removing the sludge. As mentioned in the description of the landfill at Site 20, approximately 116,000 cubic yards of non-hazardous soil and dried sludge were removed from Sites 20 and 26 in 1996 and disposed of in the engineered waste cells at Site 6. Excavated materials from Site 26 to be transported to and disposed of in the engineered waste cells at Site 6 were tested for organic and inorganic constituents during the remedial investigation and monitored during the removal action according to approved work plans. Site 30 covered approximately 40 acres, south of Alessandro Boulevard and west of Interstate

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215. Site 30 is located in the 1,300 acre SKR reserve. There is no evidence that Site 30 ever operated as a March AFB-controlled landfill, but illegal dumping of domestic waste from the surrounding community has occurred and some minor amounts of construction debris were found. Soil and groundwater samples taken at the site did not detect contaminants at levels not protective of human health. After discussions with the regulators and the public, a decision was made to clean up the site by removing the domestic and construction debris. Domestic and construction debris was removed from the site in April 1997 and disposed of off the Base. The Air Force has installed gates on access roads to prevent vehicular traffic to the site. Warning signs were placed in unauthorized areas, and gates remain padlocked to help prevent access by unauthorized persons. Site 35 consisted of three subareas (Sites 35a, 35b, and 35c) located in the former 15th Air Force Headquarter complex on West March. The subareas were locations of former underground storage tanks (USTs) associated with Buildings 3409 (Site 35a), 3417/04 (Site 35b), and 3406 (Site 35c). Site 35a, a former 8,000-gallon fuel oil tank, was located west of Allen Avenue and south of 11th street, east of Building 3409. Site 35b, two former diesel tanks of 6,650-gallon and 3,500-gallon, was located between Building 3417 and 3418, west of Allen Avenue and Bundy Avenue. Site 35c, a former 1,000-gallon diesel tank, was located north of 5th Street and west of Datta Avenue, east of Building 3406. All tanks have been removed and the locations closed without restrictions in accordance with state and county regulations. Fuel leaks have been associated with the tanks at Site 35. Sites 35a and 35b were investigated during the OJ2 remedial investigation and other studies and levels of contamination requiring remedial action were not identified. After discussions with the regulatory agencies, the Air Force decided to clean up the soil by bioventing at Site 35c where fuel had leaked. Bioventing has reduced diesel fuel contamination to levels protective of human health and the environment at Site 35c. No restriction on future use of the land is required. Site 40 covers approximately 49 acres on West March, north of Van Buren Boulevard and west of Plummer Road. The most prominent feature at the site is the abandoned quarry, containing a pond with riparian vegetation. The pond is replenished by groundwater and by surface flow from an intermittent stream channel entering the pond from the west. Site 40 is located in the 1,300 acre SKR reserve. Site 40 was used as a disposal location for drums, construction debris, battery casings, and motor vehicle parts. After discussions with the regulatory agencies, a decision was made to complete an expedited cleanup of the area exposed by the erosion and other debris at the site. The time-critical removal action completed in 1994 included removal of the drums, miscellaneous waste, and contaminated soil. Hazardous waste from the site was taken off the Base for proper disposal. Approximately 6,800 cubic yards of non-hazardous materials were disposed of at the Site 6 engineered waste cells. Excavated materials from Site 40 to be transported to and disposed of in the engineered waste cells at Site 6 were tested for organic and inorganic constituents at a rate of about one sample for every 100 cubic yards of excavated materials during the removal action. Testing was also performed as part of the remedial investigation. Building 3404 is located on less than one acre near the intersections of 1 1/2 Street and Davis Avenue on West March. Transformers located in Building 3404 reportedly leaked oils containing PCBs onto the floor of the transformer room. These oils were also spilled onto the soil surrounding the building. After discussions with the regulatory agencies and the public, a decision was made to clean up the area outside of Building 3404 by removing the contaminated soil. In the interim removal action, the contaminated soils were excavated and taken offsite for proper disposal. A total of 330 tons of contaminated soils were removed from the site. The PCB concentrations were low enough to allow disposal of 292 tons of contaminated soils as non-hazardous waste. An additional 38 tons was disposed of off the Base as hazardous waste.

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Clean fill was placed in the excavation to grade and a gravel cover was placed on top of the previously excavated area. Confirmation sampling conducted after the interim removal action confirmed that the site had been cleaned to levels protective of human health and the environment. No restriction on future use of the land is required. Transformer oils may be present in the concrete floor of Building 3404. The Air Force attempted to remove the PCBs from the concrete. Minimal levels of PCBs were left and have been encapsulated. The concrete is not addressed in this AFAPA OJ2 ROD because building interiors are not regulated under CERCLA. The current landowner, the County of Riverside, has entered into a land use agreement with the State that restricts the use of the building to industrial activities and contains other measures to prevent exposure to residual contamination. The current land use and adjacent land use for most of the OJ2 AFAPA sites is vacant land/open space with limited commercial and residential land use adjacent to some of the sites as discussed below. Site 3 and the adjacent areas are undeveloped land. Site 4 is an engineered waste cell. There is a residential area to the south and a golf course is to the east of Site 6. Site 12 was the former civil engineering yard with numerous structures. Site 12 is not currently utilized. Residential land use occurs to the east of Site 17. Air Force commercial facilities such as offices are located to the north and west of the Site 17. Site 19 is currently a part of the operating wastewater treatment plant. Structures relating to plant operations are located on-site and to the west and north. Site 20 and 26 and the adjacent areas are undeveloped land. A former water treatment plant is south of Site 26 and west of Site 20. This facility is no longer used. Site 23 is an active agricultural area, surrounded by currently vacant land to the north, south and east. Air Force land consisting of open space is west of Site 23. Site 25 and the adjacent areas is undeveloped land, with nearby residential development to the south. The three Site 35 subareas and Site 42 are former UST locations within landscaped areas adjacent to structures. The areas near Site 35a, 35b and Site 42 are still actively used as office and retail areas, but the Site 35c area is no longer used. Sites 30 and 40 are open space with some riparian vegetation. A residential area is located to the north and west of Site 40. The OJ2 sites other than site 23 discussed in this AFAPA OJ2 ROD are located on that portion of March AFB that may be converted to non-Air Force use. Site 23 is on private land. The anticipated land use for most of the OJ2 AFAPA sites is commercial or industrial use. Alternative land uses have also been assessed and areas of West March could remain open space such as the SKR Conservation Area. March AFB is located in the North Perris Groundwater Basin. Currently, there are no potable groundwater resources extracted at the OJ2 AFAPA sites. The relatively thin water-bearing zone on West March is not anticipated to yield substantial quantities of water. Therefore, the potential for extraction and use of groundwater from the West March AFAPA sites is limited, both now and in the foreseeable future. Water-bearing zones producing sufficient groundwater for use may be present at AFAPA sites on the Main Base and Site 23, and should be considered a potential potable water source. Surface water is not currently used at the OJ2 AFAPA sites. Surface water sources such as at Site 6, 30 and 40 may remain as wetlands depending on future site development. A Record of Decision (ROD) for OJ2 was completed May 11, 2004. A ROD addressing OJ2 was completed in September 2005. Operable Unit (OU) 4 - A total of three IRP sites (IRP Sites 21, 41, and 44), three ACCS (Water Tower 3410, Water Tank 6601, and the former Base Hospital and Dental Clinic), and one RFA site (Site L) are addressed in this OJA. Site 21 is off base approximately 1.5 miles south of the southern extension of the active March ARB runway. Although never physically part of March AFB, the site is considered to be a part of the former base for purposes of the IRP because treated wastewater produced on base was held in this off-base pond. John Cordures, property owner until his death, used the water for irrigation of

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surrounding agricultural land from 1941 to 1946 and again from 1955 to 1984. The estate was sold to Ross Department Stores in 2001. The site is near the intersection of Morgan Street and Webster Avenue, in the City of Perris. Site 21 encompasses 1.5 acres and is part of a landscaped berm and below-grade parking area for warehouse trucks associated with a Ross warehouse distribution facility. The general surface-water drainage in the area is to the east following the gently sloping terrain (surface gradient at the site is approximately 20 to 40 feet per mile). Bedrock was not encountered during the investigation phases at Site 21. Groundwater at Site 21 is at a depth of more than 150 feet below ground surface (bgs) and the general groundwater flow direction is to the south and southeast. Site 21 was used from 1941 to 1946, and again from 1955 to 1984, to hold treated wastewater from the base. Sanitary and industrial wastewater received primary and secondary treatment on the base prior to discharge into this holding pond. The treated effluent was held in the pond and used for irrigation of the surrounding agricultural land. The boundaries of the effluent pond were physically well defined by the pond's berm during the 1993 OUI Remedial Investigation/Feasibility Study (RI/FS). At that time the site covered an area of approximately 2.2 acres and was being used by private parties as an illegal dump. In approximately 1998, the berm was removed, and the site was incorporated into the surrounding sod farm. In 2001, the land was sold and the former pond area now consists of a landscaped berm on the west side of the site and a truck parking area that lies approximately 8 feet below grade on the east side. Based on historic use, the primary contaminants of concern at Site 21 include metals, volatile organic compounds (VOCs), and pesticides. Site 21 is part of a Ross warehouse distribution facility in the city of Perris. Adjacent and surrounding land uses consist of commercial/industrial development, and some land is in agricultural production. Although much of the surrounding property is currently agriculture, other properties are zoned for light industrial/commercial. As development occurs, agriculture zoning will likely change to general industrial. Site 41 is approximately 1 mile south of State Highway 58 and 11 miles east of Kramer Junction (the intersection of U.S. Highway 395 and State Highway 58) in San Bernardino County, California. Structures currently remaining at the site include a concrete bunker no longer in use. The general surface water drainage is to the northeast following the very gently sloping terrain (surface gradient at the site is approximately 20 to 40 feet per mile). Depth to beneficial groundwater is approximately 300 feet bgs. However, perched zone water is found between 100 and 150 feet bgs at nearby sites. A regional hardpan soil, approximately 3 to 4 feet thick at a depth of approximately 34 feet bgs, is reported in the area. The Air Force obtained right of entry for an approximately 315-acre parcel from the Bureau of Land Management (BLM) in the late 1950s for construction and operation of a radio relay station for use by George AFB. The parcel was transferred to Edwards AFB in 1963 and to March AFB in February 1968. The Radio Relay Annex was declared excess and was scheduled for deactivation in October 1968. The station facilities included a septic system, storage tanks for water and petroleum products, 4 miles of runway, a radio tower, a water well, an aboveground bunker, and several support buildings. The Air Force closed the station in the mid-1980s. Investigations and cleanup actions were conducted between February 1995 and May 1996 and included identification and removal of asbestos-containing material and lead-based paint, destruction of the water-supply well, removal of underground storage tanks (USTs) (oil, water, and septic) and contaminated soil, and confirmation sampling. Small amounts of diesel fuel leaked from the USTs. Based on historic use, the primary contaminant of concern at the site is total petroleum hydrocarbons (TPH) diesel fuel. Site 41 is in a remote area of the Mojave Desert. The Hawes site extends across 315 acres of desert land. The site is in the process of being transferred from the DOD back to the BLM, and the

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site will likely remain vacant due to its remote location and reversion to BLM control. Site 44 is in the central portion of the March ARB, east of the intersection of Graeber Street and Meyer Drive. Site 44 includes a 110-foot-tall, 200,000-gallon water tower, two large water storage tanks, and several buildings used by March ARB water system maintenance personnel. The area is characterized by relatively flat topography. A concrete-lined drainage ditch, just north of the site, flows eastward to the Heacock Storm Drain that drains south along the eastern perimeter of the former base. Groundwater at Site 44 is estimated to be approximately 30 feet bgs. Groundwater flow direction in this area is generally to the south and southeast. The water tower at Site 44 utilized a valve controller with a 6-inch mercury pot for water flow control. Past spills from the mercury pot caused mercury contamination of soils beneath and surrounding the valve controller. The flow controller at the water tower was in a subsurface valve box, 12 feet below grade. During a construction project to place a concrete floor in the below-grade box, approximately 80 cubic feet of soil were removed and stockpiled south and east of the valve box. In November 1995, the Air Force contracted to characterize the valve box and surrounding area for elemental mercury contamination. Based on the results of initial investigations at Site 44, the Air Force initiated a removal action. Soil was excavated in several discrete areas around the water tower. The primary soil removal areas were the valve box and surface soils in areas adjacent to the borings that identified "hot spots" of contamination. The excavated soil was segregated and packaged for off-site disposal. Once excavation of the valve pit was completed, the site was restored by filling the excavated area with sand to approximately 3 feet below the valve. A 6-inch-thick concrete floor was installed in the bottom of the valve pit. Land uses on adjacent and surrounding properties are exclusively industrial and commercial. As Site 44 will remain Air Force property, Site 44 is expected to stay industrial/commercial in the foreseeable future. Water Tower 3410 is an aboveground water storage tank on Former March AFB at the intersection of Plummer Road and 11th Street. Water Tower 3410 is in an area characterized by relatively flat topography, with a gentle slope to the east/northeast. No surface water bodies or major surface water drainages are associated with the site. Groundwater levels underlying Water Tower 3410 are between approximately 33 and 48 feet bgs. The groundwater flow direction is to the east. Although Water Tower 3410 was not specifically included in the Basewide RI/FS Work Plan, due to the presence of mercury pot water flow controllers at other March water storage facilities and the similarity of Water Tower 3410 with Water Tower 407 (Site 44), it was suspected that Water Tower 3410 might also have mercury-contaminated soils. March ARB Department of Public Works was contacted to determine if a mercury vault ever existed at the site. Interviews with Department personnel indicated that the building never contained a mercury vault. The only mercury controls at Water Tower 3410 are those that control associated pumps. Four aboveground controls are attached to the water tower rather than in a vault and contain only small amounts of elemental mercury. Water Tower 3410 is in an area characterized by industrial/commercial land use intermixed with vacant parcels. Adjacent and surrounding land use is also a mix of industrial/commercial use and vacant parcels. March Joint Powers Authority (MJPA) plans for the area, including Water Tower 3410, are for an industrial/business park. Water Tank 6601 is an aboveground storage tank north of Van Buren Boulevard and west of Plummer Road, west of 1-215. Water Tank 6601 is at an elevation of approximately 1,680 feet above mean sea level. The site is characterized by highly dissected upland topography and consists of highly eroded gullies and exposures of weathered bedrock. The primary flow of surface water in the vicinity of Water Tank 6601 is to the east. One primary intermittent stream channel drains to the east near the facility. The site is underlain by shallow surface soils, with a maximum

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thickness of soil only tens of feet thick. Based on information presented by Tetra Tech in the OUI RI/FS, just south of the water tank, groundwater is encountered in weathered bedrock at depths ranging from 10 to 40 feet bgs. Groundwater flow is generally to the east. Water Tank 6601 is an active, 200,000-gallon water tank constructed in approximately 1942, with valves, piping, and electronic controls inside a fenced area with a concrete floor and a metal roof. The enclosure was constructed in the mid 1980s, in response to repeated vandalism at the site. Each incidence of vandalism resulted in releases of elemental mercury at the site due to breakage of a reservoir or "mercury pot." Some of the elemental mercury was collected after each incident; however, no formal cleanup actions were performed. A cage was constructed to protect the controls from additional vandalism. The mercury control was removed and replaced with controls without mercury prior to the OUI RI/FS investigation. Water Tank 6601 is in an undeveloped area, which is fenced. Adjacent and surrounding land use is mixed industrial/vacant. Water Tank 6601 is expected to remain industrial. MJPA plans for the adjacent and surrounding land are for industrial/commercial development. The former base Hospital and Dental Clinics are in the northeast corner of the former base, near the intersection of Cactus Avenue and Heacock Street. The main Hospital building is five stories and the Dental Clinic is a one-story structure. The surface topography in and around the site is relatively flat with a gentle slope (surface gradient at the site is approximately 20 to 30 feet per mile). Major drainage features lie north and east of the site and consist of intermittent drainage channels (Cactus Channel Storm Drain and Heacock Storm Drain). There are no major drainages across the site, and there are no perennial water bodies near the site. While groundwater was not part of the investigation, groundwater is reported to be 25 to 30 feet bgs in the area of the former hospital and dental clinic. Groundwater flow direction is to the south and east. Construction of the Hospital was completed in 1966 and modified in subsequent years. The latest addition was completed in 1974. The original construction of the Dental Clinic was completed in 1985. A sewer main extends from the Hospital/Dental Clinic complex, south along the eastern base boundary to the last manhole before the connection of the hospital lines with the "old trunk line" from western portions of the March ARB. The sewer line, which services both the Hospital and Dental Clinic, was first brought on line with completion of the original hospital building. Two primary lines collect effluent from the complex. The two lines ultimately empty into the old sewer main that flows directly south to the current lifting station, from which sewage is transferred around the south end of the active runway to the current wastewater treatment plant. The former base Hospital and Dental Clinic are in an area characterized by institutional (i.e., medical) land use. Adjacent and surrounding land use is a mix of residential, commercial, a small amount of vacant property and land in agricultural use, and a small corridor of public facilities to the east of the Hospital for an electrical transmission line easement. MJPA plans for the Hospital/Dental Clinic site are for similar reuse. Site L, formerly a swimming pool at the Non-Commissioned Officer (NCO) Club, is east of Riverside Drive and north of Meyer Drive. The site is outside the boundary of March ARB that was established as a result of the realignment of March AFB in May 1996. It is part of the land identified as available for transfer by the AFRLPA. Site L is in an area characterized by relatively flat topography. No major drainages are associated with the site. Groundwater levels at the site are approximately 26 feet bgs. The groundwater flow direction is to the southeast. The swimming pool at Site L was reportedly constructed in 1953 along with the NCO Club. After decommissioning at an unspecified time, it was used as a repository for a variety of wastes, some potentially hazardous. The pool and wastes were covered with soil, and the area was allowed to become overgrown with grass and weeds. The facility was

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abandoned and a chain-link fence restricted access to the former pool. In 1993, the pool was identified as an AOC during a comprehensive RFA/Expanded Source Investigation (ESI), which concluded that the pool was filled with a variety of wastes, including waste soils, solvents, and PCBs. In 1994, as part of the RFA investigation, a soil gas survey was conducted to screen for the presence of VOCs. No VOCs were detected above the laboratory reporting limits. Site L is currently open space (parking lot) with no structures, and is bordered on the north by vacant land and on the south by a parking area adjacent to Meyer Drive. The NCO Club is to the east of Site L, and the U.S. Army Reserve Center, with associated landscaping and parking to the west. Surrounding land uses include institutional/medical, commercial, public facilities/recreation, and vacant land. The MJPA plans for Site L and the surrounding land are commercial in nature. A portion of the parcel in which Site L is located is currently leased to a catering business. A Record of Decision addressing OUI4 was completed in September of 2005.

CERCLIS Assessment History:

Action Code: 001  
Action: DISCOVERY  
Date Started: / /  
Date Completed: 02/01/85  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report:

Action Code: 001  
Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 02/01/87  
Priority Level: Low priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report:

Action Code: 001  
Action: SITE INSPECTION  
Date Started: / /  
Date Completed: 06/01/87  
Priority Level: Low priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report:

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Action Code: 001  
 Action: HAZARD RANKING SYSTEM PACKAGE  
 Date Started: / /  
 Date Completed: 06/01/87  
 Priority Level: Not reported  
 Operable Unit: SITEWIDE  
 Primary Responsibility: EPA Fund-Financed  
 Planning Status: Not reported  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
 Action: PROPOSAL TO NATIONAL PRIORITIES LIST  
 Date Started: / /  
 Date Completed: 07/14/89  
 Priority Level: Not reported  
 Operable Unit: SITEWIDE  
 Primary Responsibility: EPA Fund-Financed  
 Planning Status: Not reported  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
 Action: FINAL LISTING ON NATIONAL PRIORITIES LIST  
 Date Started: / /  
 Date Completed: 11/21/89  
 Priority Level: Not reported  
 Operable Unit: SITEWIDE  
 Primary Responsibility: EPA Fund-Financed  
 Planning Status: Not reported  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
 Action: Notice Letters Issued  
 Date Started: / /  
 Date Completed: 02/07/90  
 Priority Level: Not reported  
 Operable Unit: SITEWIDE  
 Primary Responsibility: EPA Fund-Financed  
 Planning Status: Not reported  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
 Action: INTERAGENCY AGREEMENT NEGOTIATIONS  
 Date Started: 02/07/90

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Date Completed: 09/27/90  
 Priority Level: Not reported  
 Operable Unit: SITEWIDE  
 Primary Responsibility: Federal Enforcement  
 Alternate: Alternate  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
 Action: FEDERAL INTERAGENCY AGREEMENT  
 Date Started: 09/27/90  
 Date Completed: 09/27/90  
 Priority Level: Not reported  
 Operable Unit: SITEWIDE  
 Primary Responsibility: Federal Enforcement  
 Planning Status: Primary  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 004  
 Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
 Date Started: 01/24/92  
 Date Completed: 04/30/95  
 Priority Level: Not reported  
 Operable Unit: WEST MARCH - SOILS/GW  
 Primary Responsibility: Federal Facilities  
 Planning Status: Primary  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
 Action: FEDERAL FACILITY REMEDIAL DESIGN  
 Date Started: 04/07/96  
 Date Completed: 04/18/96  
 Priority Level: Not reported  
 Operable Unit: EAST MARCH - SOILS/GW  
 Primary Responsibility: Federal Facilities  
 Planning Status: Primary  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
 Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
 Date Started: 09/27/90  
 Date Completed: 06/20/96  
 Priority Level: Not reported  
 Operable Unit: EAST MARCH - SOILS/GW  
 Primary Responsibility: Federal Facilities

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Planning Status: Primary  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
 Action: RECORD OF DECISION  
 Date Started: / /  
 Date Completed: 06/20/96  
 Priority Level: Not reported  
 Operable Unit: EAST MARCH - SOILS/GW  
 Primary Responsibility: Federal Facilities  
 Planning Status: Primary  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
 Action: Explanation Of Significant Differences  
 Date Started: / /  
 Date Completed: 08/24/00  
 Priority Level: Not reported  
 Operable Unit: EAST MARCH - SOILS/GW  
 Primary Responsibility: Federal Facilities  
 Planning Status: Not reported  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
 Action: FEDERAL FACILITY FIVE YEAR REVIEW  
 Date Started: 09/30/03  
 Date Completed: 11/19/03  
 Priority Level: Not reported  
 Operable Unit: EAST MARCH - SOILS/GW  
 Primary Responsibility: Federal Facilities  
 Planning Status: Not reported  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 004  
 Action: RECORD OF DECISION  
 Date Started: / /  
 Date Completed: 05/11/04  
 Priority Level: Not reported  
 Operable Unit: WEST MARCH - SOILS/GW  
 Primary Responsibility: Federal Facilities  
 Planning Status: Primary  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

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For detailed financial records, contact EDR for a Site Report.

Action Code: 002  
 Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
 Date Started: 09/27/90  
 Date Completed: 09/29/05  
 Priority Level: Not reported  
 Operable Unit: BASEWIDE  
 Primary Responsibility: Federal Facilities  
 Planning Status: Primary  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 003  
 Action: RECORD OF DECISION  
 Date Started: / /  
 Date Completed: 09/29/05  
 Priority Level: Not reported  
 Operable Unit: BASEWIDE  
 Primary Responsibility: Federal Facilities  
 Planning Status: Primary  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 005  
 Action: RECORD OF DECISION  
 Date Started: / /  
 Date Completed: 09/30/05  
 Priority Level: Not reported  
 Operable Unit: WEST MARCH - SOILS/GW  
 Primary Responsibility: Federal Facilities  
 Planning Status: Not reported  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 003  
 Action: FEDERAL FACILITY FIVE YEAR REVIEW  
 Date Started: / /  
 Date Completed: 09/30/09  
 Priority Level: Not reported  
 Operable Unit: SITEWIDE  
 Primary Responsibility: Federal Facilities  
 Planning Status: Not reported  
 Urgency Indicator: Not reported  
 Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001

**MARCH AIR FORCE BASE (Continued)**

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Action: Restoration Advisory Board  
Date Started: 01/01/93  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 001  
Action: FEDERAL FACILITY REMEDIAL ACTION  
Date Started: 03/05/96  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: EAST MARCH - SOILS/GW  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Action Code: 005  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 10/30/05  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: SITE 8 & 36  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.

Federal Register Details:  
Fed Register Date: 11/21/89  
Fed Register Volume: 54  
Page Number: 48184  
  
Fed Register Date: 07/14/89  
Fed Register Volume: 54  
Page Number: 29820

[Click this hyperlink](#) while viewing on your computer to access 90 additional US CERCLIS Financial: record(s) in the EDR Site Report.

RCRA-LOG:  
Date form received by agency: 10/22/2014  
Facility name: MARCH AIR RESERVE BASE  
Facility address: 610 MEYER DR  
MARCH ARB, CA 92518

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EPA ID: CA4570024527  
Mailing address: MEYER DR BLDG 2403  
MARCH ARB, CA 92518  
Contact: CRAIG R HUNTER  
Contact address: MEYER DR BLDG 2403  
MARCH ARB, CA 92518  
Contact country: Not reported  
Contact telephone: (951) 655-5082  
Contact email: CRAIG.HUNTER.1@US.AF.MIL  
EPA Region: 09  
Land type: Federal  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:  
Owner/operator name: US AIR FORCE  
Owner/operator address: GRAEBER ST, BLDG 470  
MARCH ARB, CA 92518  
Owner/operator country: Not reported  
Owner/operator telephone: (951) 655-4665  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1947  
Owner/Op end date: Not reported

Owner/operator name: COL. RUSSELL A MUNCY  
Owner/operator address: Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 11/01/2013  
Owner/Op end date: Not reported

Handler Activities Summary:  
U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No

**MARCH AIR FORCE BASE (Continued)**

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Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Universal Waste Summary:  
Waste type: Batteries  
Accumulated waste on-site: Yes  
Generated waste on-site: No  
  
Waste type: Lamps  
Accumulated waste on-site: Yes  
Generated waste on-site: No

Historical Generators:  
Date form received by agency: 03/20/2013  
Site name: MARCH AIR RESERVE BASE  
Classification: Large Quantity Generator  
  
Date form received by agency: 07/15/2010  
Site name: MARCH AIR RESERVE BASE  
Classification: Large Quantity Generator  
  
Date form received by agency: 03/26/2008  
Site name: MARCH AIR RESERVE BASE  
Classification: Large Quantity Generator  
  
Date form received by agency: 02/08/2006  
Site name: MARCH AIR RESERVE BASE  
Classification: Large Quantity Generator  
  
Date form received by agency: 02/25/2004  
Site name: MARCH AIR RESERVE BASE  
Classification: Large Quantity Generator  
  
Date form received by agency: 04/10/2002  
Site name: MARCH AIR RESERVE BASE  
Classification: Large Quantity Generator  
  
Date form received by agency: 10/12/2000  
Site name: MARCH ARB CA  
Classification: Large Quantity Generator  
  
Date form received by agency: 07/14/2000  
Site name: MARCH AIR RESERVE BASE  
Classification: Large Quantity Generator  
  
Date form received by agency: 03/04/1999  
Site name: MARCH ARB, CA  
Classification: Large Quantity Generator  
  
Date form received by agency: 09/01/1996  
Site name: MARCH AIR RESERVE BASE  
Classification: Large Quantity Generator

**MARCH AIR FORCE BASE (Continued)**

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Date form received by agency: 03/26/1996  
Site name: MARCH AFB, CA  
Classification: Large Quantity Generator  
  
Date form received by agency: 03/31/1994  
Site name: MARCH AIR FORCE BASE, CA  
Classification: Large Quantity Generator

Date form received by agency: 03/30/1992  
Site name: MARCH AIR FORCE BASE  
Classification: Large Quantity Generator

Hazardous Waste Summary:  
Waste code: 181  
Waste name: 181  
  
Waste code: 214  
Waste name: 214  
  
Waste code: 223  
Waste name: 223  
  
Waste code: 281  
Waste name: 281  
  
Waste code: 342  
Waste name: 342  
  
Waste code: 343  
Waste name: 343  
  
Waste code: 352  
Waste name: 352  
  
Waste code: 461  
Waste name: 461  
  
Waste code: 541  
Waste name: 541  
  
Waste code: 792  
Waste name: 792  
  
Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.  
  
Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DECREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS

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USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D006  
Waste name: CADMIUM

Waste code: D007  
Waste name: CHROMIUM

Waste code: D008  
Waste name: LEAD

Waste code: D011  
Waste name: SILVER

Waste code: D018  
Waste name: BENZENE

Waste code: F002  
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS, AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

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MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D006  
Waste name: CADMIUM

Waste code: D007  
Waste name: CHROMIUM

Waste code: D008  
Waste name: LEAD

Waste code: D011  
Waste name: SILVER

Waste code: D018  
Waste name: BENZENE

Waste code: F002  
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS, AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004, AND STILL BOTTOMS FROM THE RECOVERY OF

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THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D005  
Waste name: BARIUM

Waste code: D006  
Waste name: CADMIUM

Waste code: D007  
Waste name: CHROMIUM

Waste code: D008  
Waste name: LEAD

Waste code: D011  
Waste name: SILVER

Waste code: D018  
Waste name: BENZENE

Waste code: D035  
Waste name: METHYL ETHYL KETONE

Waste code: F002  
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

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ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008  
Waste name: LEAD

Waste code: D009  
Waste name: MERCURY

Waste code: F001  
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002  
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS, AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

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MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
- Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
- Waste code: D003  
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
- Waste code: D004  
Waste name: ARSENIC
- Waste code: D005  
Waste name: BARIUM
- Waste code: D006  
Waste name: CADMIUM
- Waste code: D007  
Waste name: CHROMIUM
- Waste code: D008  
Waste name: LEAD
- Waste code: D009  
Waste name: MERCURY
- Waste code: F098

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Waste name: POTASSIUM CYANIDE

- Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
- Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
- Waste code: D004  
Waste name: ARSENIC
- Waste code: D005  
Waste name: BARIUM
- Waste code: D006  
Waste name: CADMIUM
- Waste code: D007  
Waste name: CHROMIUM
- Waste code: D011  
Waste name: SILVER
- Waste code: D018  
Waste name: BENZENE
- Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
- Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
- Waste code: D006

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- Waste name: CADMIUM
- Waste code: D007  
Waste name: CHROMIUM
- Waste code: D008  
Waste name: LEAD
- Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
- Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
- Waste code: D004  
Waste name: ARSENIC
- Waste code: D005  
Waste name: BARIUM
- Waste code: D006  
Waste name: CADMIUM
- Waste code: D007  
Waste name: CHROMIUM
- Waste code: D008  
Waste name: LEAD
- Waste code: D009  
Waste name: MERCURY
- Waste code: D011  
Waste name: SILVER
- Waste code: D018  
Waste name: BENZENE
- Waste code: D021  
Waste name: CHLOROBENZENE
- Waste code: D035  
Waste name: METHYL ETHYL KETONE
- Waste code: F002

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- Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- Waste code: U188  
Waste name: PHENOL
- Waste code: U227  
Waste name: ETHANE, 1,1,2-TRICHLORO-
- Facility Has Received Notices of Violations:
  - Regulation violated: FR - 262.30-34.C
  - Area of violation: Generators - General
  - Date violation determined: 04/27/1995
  - Date achieved compliance: 04/27/2000
  - Violation lead agency: EPA
  - Enforcement action: WRITTEN INFORMAL
  - Enforcement action date: 04/28/1995
  - Enf. disposition status: Not reported
  - Enf. disp. status date: Not reported
  - Enforcement lead agency: EPA
  - Proposed penalty amount: Not reported
  - Final penalty amount: Not reported
  - Paid penalty amount: Not reported
- Regulation violated: FR - 262.10-12.A
- Area of violation: Generators - General
- Date violation determined: 03/05/1984
- Date achieved compliance: 04/04/1995
- Violation lead agency: EPA
- Enforcement action: WRITTEN INFORMAL
- Enforcement action date: 05/18/1984
- Enf. disposition status: Not reported
- Enf. disp. status date: Not reported
- Enforcement lead agency: EPA
- Proposed penalty amount: Not reported
- Final penalty amount: Not reported
- Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 11/02/2006

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Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
 Area of violation: Not reported  
 Date achieved compliance: Not reported  
 Evaluation lead agency: State

Evaluation date: 05/06/1996  
 Evaluation: FOLLOW-UP INSPECTION  
 Area of violation: Not reported  
 Date achieved compliance: Not reported  
 Evaluation lead agency: State

Evaluation date: 04/04/1995  
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
 Area of violation: Generators - General  
 Date achieved compliance: 04/27/2000  
 Evaluation lead agency: EPA

Evaluation date: 03/05/1984  
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
 Area of violation: Generators - General  
 Date achieved compliance: 04/04/1995  
 Evaluation lead agency: EPA

US ENG CONTROLS:

EPA ID: CA4570024527  
 Site ID: 0902761  
 Name: MARCH AIR FORCE BASE  
 Address: 22 CSG/CC RIVERSIDE, CA 92518  
 EPA Region: 09  
 County: RIVERSIDE  
 Event Code: Not reported  
 Actual Date: 09/30/2005

Action ID: 001  
 Action Name: Explanation Of Significant Differences  
 Action Completion date: 08/24/2000  
 Operable Unit: 01  
 Contaminated Media : Soil  
 Engineering Control: Bioremediation (Ex-Situ)

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Groundwater  
 Engineering Control: Discharge

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Groundwater  
 Engineering Control: Extraction

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996

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Operable Unit: 01  
 Contaminated Media : Groundwater  
 Engineering Control: Liquid Phase Carbon Adsorption

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Groundwater  
 Engineering Control: Monitoring

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Groundwater  
 Engineering Control: Other, (N.O.S.)

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Soil  
 Engineering Control: Cap

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Soil  
 Engineering Control: Disposal

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Soil  
 Engineering Control: Excavation

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Soil  
 Engineering Control: Impermeable Barrier

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Soil  
 Engineering Control: Low Temperature Thermal Desorption

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01

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Contaminated Media : Soil  
 Engineering Control: Monitoring  
 Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Soil  
 Engineering Control: Operations & Maintenance (O&M)

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Soil  
 Engineering Control: Recycling

Action ID: 001  
 Action Name: RECORD OF DECISION  
 Action Completion date: 06/20/1996  
 Operable Unit: 01  
 Contaminated Media : Soil  
 Engineering Control: Soil Vapor Extraction (in-situ)

Action ID: 003  
 Action Name: RECORD OF DECISION  
 Action Completion date: 09/29/2005  
 Operable Unit: 04  
 Contaminated Media : Groundwater  
 Engineering Control: No Action

Action ID: 003  
 Action Name: RECORD OF DECISION  
 Action Completion date: 09/29/2005  
 Operable Unit: 04  
 Contaminated Media : Soil  
 Engineering Control: Monitoring

Action ID: 003  
 Action Name: RECORD OF DECISION  
 Action Completion date: 09/29/2005  
 Operable Unit: 04  
 Contaminated Media : Soil  
 Engineering Control: No Action

Action ID: 005  
 Action Name: RECORD OF DECISION  
 Action Completion date: 09/30/2005  
 Operable Unit: 02  
 Contaminated Media : Groundwater  
 Engineering Control: No Action

Action ID: 005  
 Action Name: RECORD OF DECISION  
 Action Completion date: 09/30/2005  
 Operable Unit: 02  
 Contaminated Media : Soil

MARCH AIR FORCE BASE (Continued)

1000169261

Engineering Control: No Action

US INST CONTROL:

EPA ID: CA4570024527  
 Site ID: 0902761  
 Name: MARCH AIR FORCE BASE  
 Address: 22 CSG/CC RIVERSIDE, CA 92518  
 EPA Region: 09  
 County: RIVERSIDE  
 Event Code: Not reported  
 Inst. Control: Covenant  
 Actual Date: 09/30/2005  
 Complet. Date: 09/29/2005  
 Operable Unit: 04  
 Contaminated Media : Soil

EPA ID: CA4570024527  
 Site ID: 0902761  
 Name: MARCH AIR FORCE BASE  
 Address: 22 CSG/CC RIVERSIDE, CA 92518  
 EPA Region: 09  
 County: RIVERSIDE  
 Event Code: Not reported  
 Inst. Control: Deed Notices  
 Actual Date: 09/30/2005  
 Complet. Date: 09/29/2005  
 Operable Unit: 04  
 Contaminated Media : Soil

EPA ID: CA4570024527  
 Site ID: 0902761  
 Name: MARCH AIR FORCE BASE  
 Address: 22 CSG/CC RIVERSIDE, CA 92518  
 EPA Region: 09  
 County: RIVERSIDE  
 Event Code: Not reported  
 Inst. Control: Subdivision regulation  
 Actual Date: 09/30/2005  
 Complet. Date: 09/29/2005  
 Operable Unit: 04  
 Contaminated Media : Soil

EPA ID: CA4570024527  
 Site ID: 0902761  
 Name: MARCH AIR FORCE BASE  
 Address: 22 CSG/CC RIVERSIDE, CA 92518  
 EPA Region: 09  
 County: RIVERSIDE

MARCH AIR FORCE BASE (Continued)

1000169261

Event Code: Not reported  
 Inst. Control: Zoning regulation  
 Actual Date: 09/30/2005  
 Complet. Date: 09/29/2005  
 Operable Unit: 04  
 Contaminated Media : Soil

EPA ID: CA4570024527  
 Site ID: 0902761  
 Name: MARCH AIR FORCE BASE  
 Action Name: RECORD OF DECISION  
 Address: 22 CSG/CC RIVERSIDE, CA 92518

EPA Region: 09  
 County: RIVERSIDE  
 Event Code: Not reported  
 Inst. Control: Covenant  
 Actual Date: 06/15/2004  
 Complet. Date: 05/11/2004  
 Operable Unit: 02  
 Contaminated Media : Groundwater

EPA ID: CA4570024527  
 Site ID: 0902761  
 Name: MARCH AIR FORCE BASE  
 Action Name: RECORD OF DECISION  
 Address: 22 CSG/CC RIVERSIDE, CA 92518

EPA Region: 09  
 County: RIVERSIDE  
 Event Code: Not reported  
 Inst. Control: Covenant  
 Actual Date: 06/15/2004  
 Complet. Date: 05/11/2004  
 Operable Unit: 02  
 Contaminated Media : Soil

EPA ID: CA4570024527  
 Site ID: 0902761  
 Name: MARCH AIR FORCE BASE  
 Action Name: RECORD OF DECISION  
 Address: 22 CSG/CC RIVERSIDE, CA 92518

EPA Region: 09  
 County: RIVERSIDE  
 Event Code: Not reported  
 Inst. Control: Base use plan change  
 Actual Date: 09/30/2005  
 Complet. Date: 09/30/2005  
 Operable Unit: 02  
 Contaminated Media : Soil

EPA ID: CA4570024527  
 Site ID: 0902761  
 Name: MARCH AIR FORCE BASE  
 Action Name: RECORD OF DECISION  
 Address: 22 CSG/CC

MARCH AIR FORCE BASE (Continued)

1000169261

EPA Region: RIVERSIDE, CA 92518  
 County: RIVERSIDE  
 Event Code: Not reported  
 Inst. Control: Building, demolition, or excavation regulation  
 Actual Date: 09/30/2005  
 Complet. Date: 09/30/2005  
 Operable Unit: 02  
 Contaminated Media : Soil

ROD: Full-text of USEPA Record of Decision(s) is available from EDR.

NY MANIFEST:  
 EPA ID: CA4570024527  
 Country: USA

Mailing Info:  
 Name: UNITED STATES MILITARY - MARCH AIR FORCE  
 Contact: UNITED STATES MILITARY - MARCH AIR FORCE  
 Address: BASE - 22 CSG/DEEV  
 City/State/Zip: MARCH AIR FORCE BASE, CA 92518  
 Country: USA  
 Phone: 714-655-4858

Manifest:  
 Document ID: NYA3918835  
 Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
 Trans1 State ID: 64661  
 Trans2 State ID: Not reported  
 Generator Ship Date: 02/14/1986  
 Trans1 Recv Date: 02/14/1986  
 Trans2 Recv Date: 02/19/1986  
 TSD Site Recv Date: 03/21/1986  
 Part A Recv Date: 02/25/1986  
 Part B Recv Date: 03/27/1986  
 Generator EPA ID: CA4570024527  
 Trans1 EPA ID: GAD042097261  
 Trans2 EPA ID: Not reported  
 TSDF ID: NYD000632372  
 Waste Code: D003 - NON-LISTED REACTIVE WASTES  
 Quantity: 00043  
 Units: P - Pounds  
 Number of Containers: 001  
 Container Type: DM - Metal drums, barrels  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 100  
 Year: 1986

Document ID: NYA2651571  
 Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
 Trans1 State ID: 54068  
 Trans2 State ID: GATX43254  
 Generator Ship Date: 05/30/1985

MARCH AIR FORCE BASE (Continued)

1000169261

Trans1 Recv Date: 05/30/1985  
 Trans2 Recv Date: / /  
 TSD Site Recv Date: 09/06/1985  
 Part A Recv Date: 06/25/1985  
 Part B Recv Date: 09/16/1985  
 Generator EPA ID: CA4570024527  
 Trans1 EPA ID: CAD006913206  
 Trans2 EPA ID: CAD006913206  
 TSDF ID: NY7890008975  
 Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
 Quantity: 01560  
 Units: G - Gallons (liquids only)\* (8.3 pounds)  
 Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: B Incineration, heat recovery, burning.  
 Specific Gravity: 100  
 Year: 1985

Document ID: NYA2651598  
 Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
 Trans1 State ID: 54068  
 Trans2 State ID: ACFX88990  
 Generator Ship Date: 05/28/1985  
 Trans1 Recv Date: 05/28/1985  
 Trans2 Recv Date: / /  
 TSD Site Recv Date: 07/10/1985  
 Part A Recv Date: 06/05/1985  
 Part B Recv Date: 07/23/1985  
 Generator EPA ID: CA4570024527  
 Trans1 EPA ID: CAD006913206  
 Trans2 EPA ID: CAD006913206  
 TSDF ID: NY7890008975  
 Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
 Quantity: 05100  
 Units: G - Gallons (liquids only)\* (8.3 pounds)  
 Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: B Incineration, heat recovery, burning.  
 Specific Gravity: 100  
 Year: 1985

Document ID: NYA2651599  
 Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
 Trans1 State ID: Not reported  
 Trans2 State ID: ACFX88990  
 Generator Ship Date: 05/24/1985  
 Trans1 Recv Date: 05/24/1985  
 Trans2 Recv Date: / /  
 TSD Site Recv Date: 07/10/1985  
 Part A Recv Date: 06/05/1985  
 Part B Recv Date: 07/23/1985  
 Generator EPA ID: CA4570024527  
 Trans1 EPA ID: CAD006913206  
 Trans2 EPA ID: CAD006913206  
 TSDF ID: NY7890008975

MARCH AIR FORCE BASE (Continued)

1000169261

Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
 Quantity: 06000  
 Units: G - Gallons (liquids only)\* (8.3 pounds)  
 Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: B Incineration, heat recovery, burning.  
 Specific Gravity: 100  
 Year: 1985

Document ID: NYA3077741  
 Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
 Trans1 State ID: ACFX88331  
 Trans2 State ID: ACFX88331  
 Generator Ship Date: 01/27/1986  
 Trans1 Recv Date: 01/27/1986  
 Trans2 Recv Date: / /  
 TSD Site Recv Date: 04/17/1986  
 Part A Recv Date: 01/31/1986  
 Part B Recv Date: 04/23/1986  
 Generator EPA ID: CA4570024527  
 Trans1 EPA ID: CAD006913206  
 Trans2 EPA ID: CAD006913206  
 TSDF ID: NY7890008975  
 Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
 Quantity: 03500  
 Units: G - Gallons (liquids only)\* (8.3 pounds)  
 Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: B Incineration, heat recovery, burning.  
 Specific Gravity: 100  
 Year: 1986

PRP:  
 PRP name: STATE OF CALIFORNIA/DEPT. OF HEALTH SERVICES  
 STATE OF CALIFORNIA/DEPT. OF WATER QUALITY  
 U.S. AIR FORCE  
 U.S. AIR FORCE

A1 MARCH A F B FLITE LINE  
 WNW BLDG 1244  
 1/4-1/2 MARCH A F B, CA 92518  
 0.495 mi.  
 2613 ft. Site 1 of 6 in cluster A  
 Relative to: LUST REG 8:  
 Higher Region: 8  
 County: Riverside  
 Regional Board: Santa Ana Region  
 Facility Status: Pollution Characterization  
 Case Number: 083302120T  
 Local Case Num: Not reported  
 Case Type: Soil only  
 Substance: Diesel  
 Qty Leaked: Not reported  
 Abate Method: Not reported  
 Cross Street: Not reported

CA LUST S101300481  
 N/A

MARCH A F B FLITE LINE (Continued)

S101300481

Enf Type: Not reported  
 Funding: Not reported  
 How Discovered: Tank Closure  
 How Stopped: Not reported  
 Leak Cause: UNK  
 Leak Source: UNK  
 Global ID: T0606500294  
 How Stopped Date: 5/9/1991  
 Enter Date: 9/28/1992  
 Date Confirmation of Leak Began: Not reported  
 Date Preliminary Assessment Began: Not reported  
 Discover Date: 5/7/1991  
 Enforcement Date: Not reported  
 Close Date: Not reported  
 Date Prelim Assessment Workplan Submitted: Not reported  
 Date Pollution Characterization Began: 12/19/1996  
 Date Remediation Plan Submitted: Not reported  
 Date Remedial Action Underway: Not reported  
 Date Post Remedial Action Monitoring: Not reported  
 Enter Date: 9/28/1992  
 GW Qualifies: Not reported  
 Soil Qualifies: Not reported  
 Operator: Not reported  
 Facility Contact: Not reported  
 Interim: Not reported  
 Oversight Program: DOD  
 Latitude: 33.8993744  
 Longitude: -117.2809678  
 MTBE Date: Not reported  
 Max MTBE GW: Not reported  
 MTBE Concentration: 0  
 Max MTBE Soil: Not reported  
 MTBE Fuel: 0  
 MTBE Tested: Not Required to be Tested.  
 MTBE Class: \*  
 Staff: JCB  
 Staff Initials: UNK  
 Lead Agency: Local Agency  
 Local Agency: 33000L  
 Hydr Basin #: SAN JACINTO (8-5)  
 Beneficial: Not reported  
 Priority: Not reported  
 Cleanup Fund Id: Not reported  
 Work Suspended: Not reported  
 Summary: Not reported

A2 WNW 1/4-1/2 0.495 mi. 2613 ft. MARCH A F B REFUELING SYSTEM BLDG 1269 MARCH A F B, CA 92518 Site 2 of 6 in cluster A

CA LUST S101300482 N/A

Relative: Higher LUST REG 8: 8  
 Region: Riverside  
 County: Santa Ana Region  
 Regional Board: Pollution Characterization  
 Facility Status: 083302116T  
 Case Number:

MARCH A F B REFUELING SYSTEM (Continued)

S101300482

Local Case Num: Not reported  
 Case Type: Soil only  
 Substance: Diesel  
 Qty Leaked: Not reported  
 Abate Method: Not reported  
 Cross Street: Not reported  
 Enf Type: Not reported  
 Funding: Not reported  
 How Discovered: Tank Closure  
 How Stopped: Not reported  
 Leak Cause: UNK  
 Leak Source: UNK  
 Global ID: T0606500290  
 How Stopped Date: 5/9/1991  
 Enter Date: 9/28/1992  
 Date Confirmation of Leak Began: Not reported  
 Date Preliminary Assessment Began: Not reported  
 Discover Date: 5/9/1991  
 Enforcement Date: Not reported  
 Close Date: Not reported  
 Date Prelim Assessment Workplan Submitted: Not reported  
 Date Pollution Characterization Began: 12/19/1996  
 Date Remediation Plan Submitted: Not reported  
 Date Remedial Action Underway: Not reported  
 Date Post Remedial Action Monitoring: Not reported  
 Enter Date: 9/28/1992  
 GW Qualifies: Not reported  
 Soil Qualifies: Not reported  
 Operator: Not reported  
 Facility Contact: Not reported  
 Interim: Not reported  
 Oversight Program: DOD  
 Latitude: 33.8993744  
 Longitude: -117.2809678  
 MTBE Date: Not reported  
 Max MTBE GW: Not reported  
 MTBE Concentration: 0  
 Max MTBE Soil: Not reported  
 MTBE Fuel: 0  
 MTBE Tested: Not Required to be Tested.  
 MTBE Class: \*  
 Staff: JCB  
 Staff Initials: UNK  
 Lead Agency: Local Agency  
 Local Agency: 33000L  
 Hydr Basin #: SAN JACINTO (8-5)  
 Beneficial: Not reported  
 Priority: Not reported  
 Cleanup Fund Id: Not reported  
 Work Suspended: Not reported  
 Summary: Not reported

CA LUST S101300482 N/A

A3 WNW 1/4-1/2 0.495 mi. 2613 ft. MARCH A F B ALERT FACILITY BLDG 1305 MARCH A F B, CA 92518 Site 3 of 6 in cluster A

CA LUST S101300483 N/A

LUST REG 8: 8  
 Region: Riverside  
 County: Santa Ana Region  
 Regional Board: Case Closed  
 Facility Status: 083302116T  
 Case Number: Not reported  
 Local Case Num: Not reported  
 Case Type: Soil only  
 Substance: Diesel  
 Qty Leaked: Not reported  
 Abate Method: Not reported  
 Cross Street: Not reported  
 Enf Type: Not reported  
 Funding: Not reported  
 How Discovered: Not reported  
 How Stopped: Not reported  
 Leak Cause: UNK  
 Leak Source: UNK  
 Global ID: T0606500292  
 How Stopped Date: 5/9/1991  
 Enter Date: 9/28/1992  
 Date Confirmation of Leak Began: Not reported  
 Date Preliminary Assessment Began: Not reported  
 Discover Date: 5/9/1991  
 Enforcement Date: Not reported  
 Close Date: 9/12/1996  
 Date Prelim Assessment Workplan Submitted: Not reported  
 Date Pollution Characterization Began: Not reported  
 Date Remediation Plan Submitted: Not reported  
 Date Remedial Action Underway: Not reported  
 Date Post Remedial Action Monitoring: Not reported  
 Enter Date: 9/28/1992  
 GW Qualifies: Not reported  
 Soil Qualifies: Not reported  
 Operator: Not reported  
 Facility Contact: Not reported  
 Interim: Not reported  
 Oversight Program: DOD  
 Latitude: 33.8993744  
 Longitude: -117.2809678  
 MTBE Date: Not reported  
 Max MTBE GW: Not reported  
 MTBE Concentration: 0  
 Max MTBE Soil: Not reported  
 MTBE Fuel: 0  
 MTBE Tested: Not Required to be Tested.  
 MTBE Class: \*  
 Staff: JCB  
 Staff Initials: UNK  
 Regional Board: Regional Board  
 Local Agency: 33000L  
 Hydr Basin #: SAN JACINTO (8-5)  
 Beneficial: Not reported

MARCH A F B ALERT FACILITY (Continued)

S101300483

Priority: Not reported  
 Cleanup Fund Id: Not reported  
 Work Suspended: Not reported  
 Summary: Not reported

A4 WNW 1/4-1/2 0.495 mi. 2613 ft. MARCH A F B BLDG 3406 BLDG 3406 MARCH A F B, CA 92518 Site 4 of 6 in cluster A

CA LUST S103249162 N/A

LUST REG 8: 8  
 Region: Riverside  
 County: Santa Ana Region  
 Regional Board: Case Closed  
 Facility Status: 083302962T  
 Case Number: Not reported  
 Local Case Num: Not reported  
 Case Type: Soil only  
 Substance: Diesel  
 Qty Leaked: Not reported  
 Abate Method: Not reported  
 Cross Street: PLUMMER  
 Enf Type: Not reported  
 Funding: Not reported  
 How Discovered: Not reported  
 How Stopped: Not reported  
 Leak Cause: Not reported  
 Leak Source: Not reported  
 Global ID: T0606500486  
 How Stopped Date: 3/4/1997  
 Enter Date: 3/4/1997  
 Date Confirmation of Leak Began: Not reported  
 Date Preliminary Assessment Began: Not reported  
 Discover Date: 3/1/1988  
 Enforcement Date: Not reported  
 Close Date: 8/27/1997  
 Date Prelim Assessment Workplan Submitted: Not reported  
 Date Pollution Characterization Began: Not reported  
 Date Remediation Plan Submitted: Not reported  
 Date Remedial Action Underway: Not reported  
 Date Post Remedial Action Monitoring: Not reported  
 Enter Date: 3/4/1997  
 GW Qualifies: Not reported  
 Soil Qualifies: Not reported  
 Operator: Not reported  
 Facility Contact: Not reported  
 Interim: Not reported  
 Oversight Program: DOD  
 Latitude: 33.8993744  
 Longitude: -117.2809678  
 MTBE Date: Not reported  
 Max MTBE GW: Not reported  
 MTBE Concentration: 0  
 Max MTBE Soil: Not reported  
 MTBE Fuel: 0  
 MTBE Tested: Not Required to be Tested.  
 MTBE Class: \*

MARCH A F B BLDG 3406 (Continued)

S103249162

Staff: JCB  
 Staff Initials: UNK  
 Lead Agency: Regional Board  
 Local Agency: 33000L  
 Hydr Basin #: SAN JACINTO (8-5)  
 Beneficial: Not reported  
 Priority: Not reported  
 Cleanup Fund Id: Not reported  
 Work Suspended: Not reported  
 Summary: IRP SITE 35C

A5 WNW 1/4-1/2 0.495 mi. 2613 ft.

MARCH A F B BLDG 3409 BLDGS 3409 MARCH A F B, CA 92518

CA LUST S102770000 N/A

Site 5 of 6 in cluster A

Relative: LUST REG 8:  
 Higher Region: 8  
 County: Riverside  
 Regional Board: Santa Ana Region  
 Facility Status: Case Closed  
 Case Number: 083300866T  
 Local Case Num: Not reported  
 Case Type: Soil only  
 Substance: Heater Fuel  
 Qty Leaked: Not reported  
 Abate Method: Not reported  
 Cross Street: PLUMMER  
 Enf Type: Not reported  
 Funding: Not reported  
 How Discovered: OM  
 How Stopped: Not reported  
 Leak Cause: Corrosion  
 Leak Source: UNK  
 Global ID: T0606500090  
 How Stopped Date: Not reported  
 Enter Date: 5/26/1988  
 Date Confirmation of Leak Began: Not reported  
 Date Preliminary Assessment Began: Not reported  
 Discover Date: 3/1/1988  
 Enforcement Date: Not reported  
 Close Date: 2/25/1997  
 Date Prelim Assessment Workplan Submitted: Not reported  
 Date Pollution Characterization Began: 5/26/1988  
 Date Remediation Plan Submitted: Not reported  
 Date Remedial Action Underway: Not reported  
 Date Post Remedial Action Monitoring: Not reported  
 Enter Date: 5/26/1988  
 GW Qualifies: Not reported  
 Soil Qualifies: Not reported  
 Operator: Not reported  
 Facility Contact: Not reported  
 Interim: Not reported  
 Oversight Program: DOD  
 Latitude: 33.8993744  
 Longitude: -117.2809678  
 MTBE Date: Not reported

MARCH A F B BLDG 3409 (Continued)

S102770000

Max MTBE GW: Not reported  
 MTBE Concentration: 0  
 Max MTBE Soil: Not reported  
 MTBE Fuel: 0  
 MTBE Tested: Not Required to be Tested.  
 MTBE Class: UNK  
 Staff: JCB  
 Staff Initials: UNK  
 Lead Agency: Regional Board  
 Local Agency: 33000L  
 Hydr Basin #: SAN JACINTO (8-5)  
 Beneficial: Not reported  
 Priority: Not reported  
 Cleanup Fund Id: Not reported  
 Work Suspended: Not reported  
 Summary: IRP SITE 35A

A6 WNW 1/4-1/2 0.495 mi. 2613 ft.

MARCH A F B BLDG 550 BLDG 3407 MARCH A F B, CA 92518

CA LUST S102361786 N/A

Site 6 of 6 in cluster A

Relative: LUST REG 8:  
 Higher Region: 8  
 County: Riverside  
 Regional Board: Santa Ana Region  
 Facility Status: Case Closed  
 Case Number: 083302550T  
 Local Case Num: Not reported  
 Case Type: Soil only  
 Substance: Diesel  
 Qty Leaked: Not reported  
 Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site  
 Cross Street: 10TH/ ALLEN  
 Enf Type: Not reported  
 Funding: Not reported  
 How Discovered: Tank Closure  
 How Stopped: Not reported  
 Leak Cause: UNK  
 Leak Source: UNK  
 Global ID: T0606500402  
 How Stopped Date: 1/17/1991  
 Enter Date: 12/13/1994  
 Date Confirmation of Leak Began: 8/30/1994  
 Date Preliminary Assessment Began: 3/14/1996  
 Discover Date: 1/17/1991  
 Enforcement Date: Not reported  
 Close Date: 7/28/1996  
 Date Prelim Assessment Workplan Submitted: 6/5/1995  
 Date Pollution Characterization Began: 3/14/1996  
 Date Remediation Plan Submitted: 6/5/1995  
 Date Remedial Action Underway: 3/14/1996  
 Date Post Remedial Action Monitoring: Not reported  
 Enter Date: 12/13/1994  
 GW Qualifies: Not reported  
 Soil Qualifies: Not reported

MARCH A F B BLDG 550 (Continued)

S102361786

Operator: Not reported  
 Facility Contact: Not reported  
 Interim: DOD  
 Oversight Program: DOD  
 Latitude: 33.8993744  
 Longitude: -117.2809678  
 MTBE Date: Not reported  
 Max MTBE GW: Not reported  
 MTBE Concentration: 0  
 Max MTBE Soil: Not reported  
 MTBE Fuel: 0  
 MTBE Tested: Not Required to be Tested.  
 MTBE Class: JCB  
 Staff: UNK  
 Staff Initials: UNK  
 Lead Agency: Local Agency  
 Local Agency: 33000L  
 Hydr Basin #: SAN JACINTO (8-5)  
 Beneficial: Not reported  
 Priority: Not reported  
 Cleanup Fund Id: Not reported  
 Work Suspended: Not reported  
 Summary: Not reported

7 NNE 1/2-1 0.737 mi. 3893 ft.

INDIAN MIDDLE SCHOOL INDIAN AVENUE / IRIS AVENUE MORENO VALLEY, CA 92551

CA SCH CA ENVIROSTOR S106568096 N/A

Relative: SCH:  
 Higher Facility ID: 33000006  
 Site Type: School Cleanup  
 Site Type Detail: School  
 Site Mgmt. Req.: NONE SPECIFIED  
 Acres: 29  
 National Priorities List: NO  
 Cleanup Oversight Agencies: SMBRP  
 Lead Agency: SMBRP  
 Lead Agency Description: DTSC - Site Cleanup Program  
 Project Manager: Amit Pathak  
 Supervisor: Shahir Haddad  
 Division Branch: Southern California Schools & Brownfields Outreach  
 Site Code: 404555  
 Assembly: 61  
 Senate: 31  
 Special Program Status: Not reported  
 Status: Certified  
 Status Date: 03/10/2006  
 Restricted Use: NO  
 Funding: School District  
 Latitude: 33.8911  
 Longitude: -117.2342  
 APN: NONE SPECIFIED  
 Past Use: AGRICULTURAL - ROW CROPS  
 Potential COC: DDT, Toxaphene  
 Confirmed COC: DDT, Toxaphene

INDIAN MIDDLE SCHOOL (Continued)

S106568096

Potential Description: SOIL  
 Alias Name: INDIAN MIDDLE SCHOOL  
 Alternate Name: VAL VERDE UNIFIED  
 Alias Name: VAL VERDE UNIFIED  
 Alternate Name: VAL VERDE USD-PRSP INDIAN MID SCHL  
 Alias Name: VAL VERDE USD-PRSP INDIAN MID SCHL  
 Alternate Name: 110033615112  
 Alias Name: EPA (FRS #) 404555  
 Alias Name: Project Code (Site Code)  
 Alias Name: 33000006  
 Alias Name: Envirostor ID Number  
 Completed Info:  
 Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Preliminary Endangerment Assessment Report  
 Completed Date: 02/09/2005  
 Comments: Not reported  
 Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Phase 1  
 Completed Date: 06/30/2004  
 Comments: Not reported  
 Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Supplemental Site Investigation Workplan  
 Completed Date: 04/28/2005  
 Comments: Not reported  
 Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Supplemental Site Investigation Workplan  
 Completed Date: 07/06/2005  
 Comments: Not reported  
 Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: School Cleanup Agreement  
 Completed Date: 03/01/2005  
 Comments: Not reported  
 Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Environmental Oversight Agreement  
 Completed Date: 08/09/2004  
 Comments: Not reported  
 Completed Area Name: PROJECT WIDE

INDIAN MIDDLE SCHOOL (Continued)

S106568096

Completed Sub Area Name: Not reported  
 Completed Document Type: Supplemental Site Investigation Report  
 Completed Date: 11/01/2005  
 Comments: Further Action with RAW for Toxaphene and DDT

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Removal Action Workplan  
 Completed Date: 12/28/2005  
 Comments: Approved along with NOE/Public Comment Response Letter

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Fact Sheets  
 Completed Date: 12/20/2005  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Public Notice  
 Completed Date: 12/20/2005  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Removal Action Completion Report  
 Completed Date: 03/06/2006  
 Comments: DTSC issued a No Further Action determination based on a Removal Action Completion Report

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: 4.15 Request  
 Completed Date: 03/01/2005  
 Comments: Approved.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Environmental Oversight Agreement  
 Completed Date: 11/18/2004  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: CEQA - Notice of Exemption  
 Completed Date: 01/03/2006  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Cost Recovery Closeout Memo  
 Completed Date: 06/02/2006  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Certification

INDIAN MIDDLE SCHOOL (Continued)

S106568096

Completed Date: 03/10/2006  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Inspections/Visit (Non LUR)  
 Completed Date: 07/13/2005  
 Comments: Not reported

Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

ENVIROSTOR:  
 Facility ID: 33000006  
 Status: Certified  
 Status Date: 03/10/2006  
 Site Code: 404555  
 Site Type: School Cleanup  
 Site Type Detailed: School  
 Acres: 29  
 NPL: NO  
 Regulatory Agencies: SMBRP  
 Lead Agency: SMBRP  
 Program Manager: Amit Pathak  
 Supervisor: Shahir Haddad  
 Division Branch: Southern California Schools & Brownfields Outreach  
 Assembly: 61  
 Senate: 31  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: School District  
 Latitude: 33.8911  
 Longitude: -117.2342  
 APN: NONE SPECIFIED  
 Past Use: AGRICULTURAL - ROW CROPS  
 Potential COC: DDT Toxaphene  
 Confirmed COC: DDT Toxaphene  
 Potential Description: SOIL

Alias Name: INDIAN MIDDLE SCHOOL  
 Alias Type: Alternate Name  
 Alias Name: VAL VERDE UNIFIED  
 Alias Type: Alternate Name  
 Alias Name: VAL VERDE USD-PRPSD INDIAN MID SCHL  
 Alias Type: Alternate Name  
 Alias Name: 110033615112  
 Alias Type: EPA (FRS #)  
 Alias Name: 404555  
 Alias Type: Project Code (Site Code)  
 Alias Name: 33000006

INDIAN MIDDLE SCHOOL (Continued)

S106568096

Alias Type: Envirostor ID Number

Completed Info:  
 Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Preliminary Endangerment Assessment Report  
 Completed Date: 02/09/2005  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Phases 1  
 Completed Date: 06/30/2004  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Preliminary Endangerment Assessment Report  
 Completed Date: 11/09/2004  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Supplemental Site Investigation Workplan  
 Completed Date: 04/28/2005  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Supplemental Site Investigation Workplan  
 Completed Date: 07/06/2005  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: School Cleanup Agreement  
 Completed Date: 03/01/2005  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Environmental Oversight Agreement  
 Completed Date: 08/09/2004  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Supplemental Site Investigation Report  
 Completed Date: 11/01/2005  
 Comments: Further Action with RAW for Toxaphene and DDT

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Removal Action Workplan  
 Completed Date: 12/28/2005  
 Comments: Approved along with NOE/Public Comment Response Letter

Completed Area Name: PROJECT WIDE

INDIAN MIDDLE SCHOOL (Continued)

S106568096

Completed Sub Area Name: Not reported  
 Completed Document Type: Fact Sheets  
 Completed Date: 12/20/2005  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Public Notice  
 Completed Date: 12/20/2005  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Removal Action Completion Report  
 Completed Date: 03/06/2006  
 Comments: DTSC issued a No Further Action determination based on a Removal Action Completion Report

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: 4.15 Request  
 Completed Date: 03/01/2005  
 Comments: Approved.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Environmental Oversight Agreement  
 Completed Date: 11/18/2004  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: CEQA - Notice of Exemption  
 Completed Date: 01/03/2006  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Cost Recovery Closeout Memo  
 Completed Date: 06/02/2006  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Certification  
 Completed Date: 03/10/2006  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Inspections/Visit (Non LUR)  
 Completed Date: 07/13/2005  
 Comments: Not reported

Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported

**INDIAN MIDDLE SCHOOL (Continued)** S106568096  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

**B8 SSW 172-1 0.749 mi. 3957 ft. MARCH AIR FORCE BASE - SITE 24** CA HIST Cal-Sites S101272803  
**7.123 ACRES; EAST OF RIVERSIDE, CA** CA RESPONSE N/A  
**RIVERSIDE, CA 92518** CA ENVIROSTOR  
**Site 1 of 6 in cluster B**  
 Relative: CalSite:  
 Lower: Region: GLENDALE  
 Facility ID: 33350014  
 Actual: Facility Type: CLOSE  
 1483 ft. Type: CLOSED MILITARY BASE  
 Branch: SO  
 Branch Name: OMF-SOUTHERN CALIF  
 File Name: Not reported  
 State Senate District: 05011986  
 Status: CERTIFIED AS HAVING BEEN REMEDIATED SATISFACTORILY UNDER DTSC OVERSIGHT  
 Status Name: CERTIFIED  
 Lead Agency: ENVIRONMENTAL PROTECTION AGENCY  
 NPL: Not Listed  
 SIC Code: 35  
 SIC Name: MANU - INDUSTRIAL MACHINERY & EQUIPMENT  
 Access: Not reported  
 Cortese: Not reported  
 Hazardous Ranking Score: Not reported  
 Date Site Hazard Ranked: Not reported  
 Groundwater Contamination: Confirmed  
 Staff Member Responsible for Site: Not reported  
 Supervisor Responsible for Site: Not reported  
 Region Water Control Board: Not reported  
 Region Water Control Board Name: Not reported  
 Lat/Long Direction: Not reported  
 Lat/Long (dms): 0 0 0 / 0 0 0  
 Lat/Long Method: Not reported  
 Lat/Long Description: Not reported  
 State Assembly District Code: 64  
 State Senate District Code: 36  
 Facility ID: 33350014  
 Activity: RIFS  
 Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
 AWP Code: STE24  
 Proposed Budget: 0  
 AWP Completion Date: 09221995  
 Revised Due Date: Not reported  
 Comments Date: 09221995  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: CERT  
 Definition of Status: CERTIFIED  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0

**MARCH AIR FORCE BASE - SITE 24 (Continued)** S101272803  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33350014  
 Activity: CERT  
 Activity Name: CERTIFICATION  
 AWP Code: STE24  
 Proposed Budget: 0  
 AWP Completion Date: Not reported  
 Revised Due Date: Not reported  
 Comments Date: 07221996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: CERT  
 Definition of Status: CERTIFIED  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Alternate Address: 7,123 ACRES; EAST OF RIVERSIDE, CA  
 Alternate City,St,Zip: RIVERSIDE, CA 92518  
 Alternate Address: 7,123; EAST OF RIVERSIDE, CA  
 Alternate City,St,Zip: RIVERSIDE, CA 92518  
 Background Info: Not reported  
 Comments Date: Not reported  
 Comments: Not reported  
 ID Name: Not reported  
 ID Value: Not reported  
 Alternate Name: MARCH AIR FORCE BASE - SITE 24  
 Special Programs Code: Not reported  
 Special Programs Name: Not reported

**RESPONSE:**  
 Facility ID: 33970003  
 Site Type: State Response  
 Site Type Detail: Closed Base  
 Acres: 18  
 National Priorities List: NO  
 Cleanup Oversight Agencies: US EPA  
 Lead Agency Description: US EPA  
 Project Manager: Not reported  
 Supervisor: Not reported  
 Division Branch: Cleanup Cypress

**MARCH AIR FORCE BASE - SITE 24 (Continued)** S101272803  
 Site Code: Not reported  
 Site Mgmt. Req.: NONE SPECIFIED  
 Assembly: 61  
 Senate: Not reported  
 Special Program Status: Not reported  
 Status: Certified  
 Status Date: 10/04/1995  
 Restricted Use: NO  
 Funding: \* Defense Environmental Restoration Program (DERP)  
 Latitude: 33.88333  
 Longitude: -117.2630  
 APN: NONE SPECIFIED  
 Past Use: LANDFILL - DOMESTIC  
 Potential COC : \* Asbestos and Naturally Occurring Asbestos (NOA)  
 Confirmed COC: \* Asbestos and Naturally Occurring Asbestos (NOA)  
 Potential Description: OTH, SOIL  
 Alias Name: ALESSANDRO AVIATION FIELD  
 Alias Type: Alternate Name  
 Alias Name: 110033608656  
 Alias Type: EPA (FRS #)  
 Alias Name: 33970003  
 Alias Type: Envirostor ID Number  
**Completed Info:**  
 Completed Area Name: Sites With No Operable Unit  
 Completed Sub Area Name: STE40  
 Completed Document Type: Removal Action Completion Report  
 Completed Date: 06/28/1995  
 Comments: Removal Action (RA) - The primary objective of this time-critical RA was to prevent potential contamination of the surface and storm water in the channel due to exposure to drums and debris buried in the channel bed. Field execution of the RA resulted in removing approximately 70 5-gallon to 20-gallon decomposed drums filled with sodium hydroxide and 30 55 gallon drums filled with roofing tar, asphalt solids and waste, and oil grease solids. Approximately 200 cubic yards of contaminated overburden material extending above and to the sides of the drums, in addition to the drums, were combined in 85 gallon overpack drums and transported off site for treatment/stabilization in lined end-dumps at the Landlaw Environmental. Approximately 14 tons of debris containing non-friable asbestos as less than 10% by total weight were placed in a lined roll-off box and transported off-site to BDC Services, Inc. for disposal. In addition, approximately 6,800 cubic yards of non-hazardous materials (consisting of soil and debris) were transported to IRP Site 6a. As part of Site 40 restoration, the water's elevation in the pond was raised by installing a concrete weir at the outlet of the pond. Each site location, including the creek bed, was restored. Vegetation destroyed during construction was replaced with California native plants. This RA, at Site 40, is undertaken as part of the ongoing long term remedial actions (RIFS OU-2). 100 drums, 200 cubic yards of contaminated soil, 14 tons of non-friable asbestos debris, and 6,800 cubic yards of non-hazardous materials were removed.  
 Completed Area Name: Sites With No Operable Unit  
 Completed Sub Area Name: STE40  
 Completed Document Type: Feasibility Study Report  
 Completed Date: 10/13/1994

**MARCH AIR FORCE BASE - SITE 24 (Continued)** S101272803  
 Comments: RIFS - This RIFS was completed via an EECA for Site 40 which DTSC approved on October 13, 1994. Site 40 is a former landfill used for disposing military wastes. It is approximately 18 acres and the central portion of the property consists of a pond which accumulates surface run-off. There are drums buried at this landfill that appear to contain a mixture of chemicals, clothing, and domestic refuse. The Air Force will: 1) excavate buried drums and other solid waste from the creek bed to prepare subgrade for the liner. Containerized waste will be segregated, sampled and characterized for disposal, 2) construct a new channel, 3) raise the water level in the pond by constructing a weir, 4) trench at three areas outside of the original excavation area which responded positively during the magnetometer survey, 5) engineer the drainage inlet and outlet to limit contact between the water in the pond and the remaining contaminants, if any. Approximate cost - not available; funding - BRAC  
 Completed Area Name: Sites With No Operable Unit  
 Completed Sub Area Name: STE40  
 Completed Document Type: Certification  
 Completed Date: 10/04/1995  
 Comments: Certification - Confirmation sampling has shown the soil to be suitable for unrestricted use. DTSC has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/remedial action is necessary.  
 Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported  
 Facility ID: 33350014  
 Site Type: State Response  
 Site Type Detail: Closed Base  
 Acres: 4  
 National Priorities List: NO  
 Cleanup Oversight Agencies: US EPA  
 Lead Agency Description: US EPA  
 Project Manager: Not reported  
 Supervisor: Manny Alonzo  
 Division Branch: Cleanup Cypress  
 Site Code: Not reported  
 Site Mgmt. Req.: NONE SPECIFIED  
 Assembly: 61  
 Senate: 31  
 Special Program Status: Not reported  
 Status: Certified  
 Status Date: 05/01/1996  
 Restricted Use: NO  
 Funding: \* Defense Environmental Restoration Program (DERP)  
 Latitude: 33.8676  
 Longitude: -117.2636

MARCH AIR FORCE BASE - SITE 24 (Continued)

S101272803

APN: NONE SPECIFIED  
 Past Use: INCINERATOR - OTHER  
 Potential COC : NONE SPECIFIED  
 Confirmed COC: 31000-NO  
 Potential Description: OTH, SOIL  
 Alias Name: 110033608647  
 Alias Type: EPA (FRS #)  
 Alias Name: DOD100278600  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100278800  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100280300  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100280500  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100281800  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100281900  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100282000  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100282100  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100283700  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100285000  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100285100  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100285200  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100286600  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100288200  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100288300  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100289000  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100291300  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100291400  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100291500  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100291600  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100319500  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100319700  
 Alias Type: GeoTracker Global ID  
 Alias Name: T060500618  
 Alias Type: GeoTracker Global ID  
 Alias Name: 33350014  
 Alias Type: Envirostor ID Number

Completed Info:  
 Completed Area Name: Sites With No Operable Unit

MARCH AIR FORCE BASE - SITE 24 (Continued)

S101272803

Completed Sub Area Name: STE24  
 Completed Document Type: Feasibility Study Report  
 Completed Date: 09/22/1995  
 Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
 Completed Sub Area Name: STE24  
 Completed Document Type: Certification  
 Completed Date: 07/22/1996  
 Comments: Not reported

Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

ENVIROSTOR:  
 Facility ID: 33970003  
 Status: Certified  
 Status Date: 10/04/1995  
 Site Code: Not reported  
 Site Type: State Response  
 Site Type Detailed: Closed Base  
 Acres: 18  
 NPL: NO  
 Regulatory Agencies: US EPA  
 Lead Agency: US EPA  
 Program Manager: Not reported  
 Supervisor: Not reported  
 Division Branch: Cleanup Cypress  
 Assembly: 61  
 Senate: 31  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: \* Defense Environmental Restoration Program (DERP)  
 Latitude: 33.88333  
 Longitude: -117.2630  
 APN: NONE SPECIFIED  
 Past Use: LANDFILL - DOMESTIC  
 Potential COC: \* Asbestos and Naturally Occurring Asbestos (NOA)  
 Confirmed COC: \* Asbestos and Naturally Occurring Asbestos (NOA)  
 Potential Description: OTH, SOIL  
 Alias Name: ALESSANDRO AVIATION FIELD  
 Alias Type: Alternate Name  
 Alias Name: 110033608647  
 Alias Type: EPA (FRS #)  
 Alias Name: 33970003  
 Alias Type: Envirostor ID Number

Completed Info:  
 Completed Area Name: Sites With No Operable Unit

MARCH AIR FORCE BASE - SITE 24 (Continued)

S101272803

Completed Sub Area Name: STE40  
 Completed Document Type: Removal Action Completion Report  
 Completed Date: 06/28/1995  
 Comments: Removal Action (RA) - The primary objective of this time-critical RA was to prevent potential contamination of the surface and storm water in the channel due to exposure to drums and debris buried in the channel bed. Field execution of the RA resulted in removing approximately 70 5-gallon to 20-gallon decomposed drums filled with sodium hydroxide and 30 55 gallon drums filled with roofing tar, asphalt solids and waste, and oil grease solids. Approximately 200 cubic yards of contaminated overburden material extending above and to the sides of the drums, in addition to the drums, were combined in 85 gallon overpack drums and transported off site for treatment/stabilization in lined end-dumps at the Landfill Environmental. Approximately 14 tons of debris containing non-friable asbestos as less than 10% by total weight were placed in a lined roll-off box and transported off-site to BDC Services, Inc. for disposal. In addition, approximately 6,800 cubic yards of non-hazardous materials (consisting of soil and debris) were transported to RP Site 6a. As part of Site 40 restoration, the water's elevation in the pond was raised by installing a concrete weir at the outlet of the pond. Each site location, including the creek bed, was restored. Vegetation destroyed during construction was replaced with California native plants. This RA, at Site 40, is undertaken as part of the ongoing long term remedial actions (RIFS OJ-2). 100 drums, 200 cubic yards of contaminated soil, 14 tons of non-friable asbestos debris, and 6,800 cubic yards of non-hazardous materials were removed.

Completed Area Name: Sites With No Operable Unit  
 Completed Sub Area Name: STE40  
 Completed Document Type: Feasibility Study Report  
 Completed Date: 10/13/1994  
 Comments: RIFS - This RIFS was completed via an EECA for Site 40 which DTSC approved on October 13, 1994. Site 40 is a former landfill used for disposing military wastes. It is approximately 18 acres and the central portion of the property consists of a pond which accumulates surface run-off. There are drums buried at this landfill that appear to contain a mixture of chemicals, clothing, and domestic refuse. The Air Force will: 1) excavate buried drums and other solid waste from the creek bed to prepare subgrade for the liner. Contaminated waste will be segregated, sampled and characterized for disposal, 2) construct a new channel, 3) raise the water level in the pond by constructing a weir, 4) trench at three areas outside of the original excavation area which responded positively during the magnetometer survey, 5) engineer the drainage inlet and outlet to limit contact between the water in the pond and the remaining contaminants, if any. Approximate cost = not available; funding = BRAC

Completed Area Name: Sites With No Operable Unit  
 Completed Sub Area Name: STE40  
 Completed Document Type: Certification  
 Completed Date: 10/04/1995  
 Comments: Certification - Confirmation sampling has shown the soil to be suitable for unrestricted use. DTSC has determined that all appropriate response actions have been completed, that all acceptable engineering practices were implemented and that no further removal/

MARCH AIR FORCE BASE - SITE 24 (Continued)

S101272803

remedial action is necessary.

Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

Facility ID: 33350014  
 Status: Certified  
 Status Date: 05/01/1986  
 Site Code: Not reported  
 Site Type: State Response  
 Site Type Detailed: Closed Base  
 Acres: 4  
 NPL: NO  
 Regulatory Agencies: US EPA  
 Lead Agency: US EPA  
 Program Manager: Not reported  
 Supervisor: Manny Alonzo  
 Division Branch: Cleanup Cypress  
 Assembly: 61  
 Senate: 31  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: \* Defense Environmental Restoration Program (DERP)  
 Latitude: 33.8676  
 Longitude: -117.2636  
 APN: NONE SPECIFIED  
 Past Use: INCINERATOR - OTHER  
 Potential COC: NONE SPECIFIED  
 Confirmed COC: 31000-NO  
 Potential Description: OTH, SOIL  
 Alias Name: 110033608647  
 Alias Type: EPA (FRS #)  
 Alias Name: DOD100278600  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100278800  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100280300  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100280500  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100281800  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100281900  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100282000  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100282100  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100283700

MARCH AIR FORCE BASE - SITE 24 (Continued)

S101272803

Alias Type: GeoTracker Global ID  
 Alias Name: DOD100285000  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100285100  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100285200  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100286600  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100288200  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100289300  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100291400  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100293000  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100291300  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100291400  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100291500  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100291600  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100319500  
 Alias Type: GeoTracker Global ID  
 Alias Name: DOD100319700  
 Alias Type: GeoTracker Global ID  
 Alias Name: T0686500618  
 Alias Type: GeoTracker Global ID  
 Alias Name: 33350014  
 Alias Type: Envirostor ID Number

Completed Info:  
 Completed Area Name: Sites With No Operable Unit  
 Completed Sub Area Name: STE24  
 Completed Document Type: Feasibility Study Report  
 Completed Date: 09/22/1995  
 Comments: Not reported  
 Completed Area Name: Sites With No Operable Unit  
 Completed Sub Area Name: STE24  
 Completed Document Type: Certification  
 Completed Date: 07/22/1996  
 Comments: Not reported  
 Future Area Name: Not reported  
 Future Sub Area Name: Not reported  
 Future Document Type: Not reported  
 Future Due Date: Not reported  
 Schedule Area Name: Not reported  
 Schedule Sub Area Name: Not reported  
 Schedule Document Type: Not reported  
 Schedule Due Date: Not reported  
 Schedule Revised Date: Not reported

B9 SSW MARCH AIR FORCE BASE - SITE 40 7,123 ACRES; EAST OF RIVERSIDE, CA RIVERSIDE, CA 92518

CA HIST Cal-Sites S102008377 N/A

0.749 mi. 3957 ft. 1483 ft.

Site 2 of 6 in cluster B  
 Relative: Calstate:  
 Lower: Region: GLENDALE  
 Facility ID: 33970003  
 Facility Type: CLOSE  
 Type: CLOSED MILITARY BASE  
 Branch: SO  
 Branch Name: OMF-SOUTHERN CALIF  
 File Name: Not reported  
 State Senate District: 10041995  
 Status: CERTIFIED AS HAVING BEEN REMEDIATED SATISFACTORILY UNDER DTSC OVERSIGHT  
 Status Name: CERTIFIED  
 Lead Agency: ENVIRONMENTAL PROTECTION AGENCY  
 NPL: Not Listed  
 SIC Code: 97  
 SIC Name: NATIONAL SECURITY/INTERNATIONAL AFFAIRS  
 Access: Not reported  
 Cortese: Not reported  
 Hazardous Ranking Score: Not reported  
 Date Site Hazard Ranked: Not reported  
 Groundwater Contamination: Confirmed  
 Staff Member Responsible for Site: Not reported  
 Supervisor Responsible for Site: Not reported  
 Region Water Control Board: Not reported  
 Region Water Control Board Name: Not reported  
 Lat/Long Direction: Not reported  
 Lat/Long (dms): 0 0 0 / 0 0 0  
 Lat/Long Method: Not reported  
 Lat/Long Description: Not reported  
 State Assembly District Code: 64  
 State Senate District Code: 36  
 Facility ID: 33970003  
 Activity: RA  
 Activity Name: REMOVAL ACTION  
 AWP Code: STE40  
 Proposed Budget: 0  
 AWP Completion Date: 06281995  
 Revised Due Date: Not reported  
 Comments Date: 06281995  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: CERT  
 Definition of Status: CERTIFIED  
 Liquids Removed (Gals): 214  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: N  
 Activity Comments: EXCAVATION AND OFF-SITE DISPOSAL OF 70 5-GAL TO 20-GAL DRUMS, 30 55GAL DRUMS, 14 TONS OF DEBRIS CONTAINING ASBESTOS, 200 CY OF CONTAMINATEDSOIL, AND 6800 CY OF NON-HAZARDOUS MATERIALS REMOVED.  
 For Commercial Reuse: 0

MARCH AIR FORCE BASE - SITE 40 (Continued)

S102008377

For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970003  
 Activity: RIFS  
 Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
 AWP Code: STE40  
 Proposed Budget: 0  
 AWP Completion Date: 10131994  
 Revised Due Date: Not reported  
 Comments Date: 10131994  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: CERT  
 Definition of Status: CERTIFIED  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970003  
 Activity: CERT  
 Activity Name: CERTIFICATION  
 AWP Code: STE40  
 Proposed Budget: 0  
 AWP Completion Date: Not reported  
 Revised Due Date: Not reported  
 Comments Date: 10041995  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: CERT  
 Definition of Status: CERTIFIED  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: N  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Alternate Address: 22 CG/CC  
 Alternate City,St,Zip: RIVERSIDE, CA 92518  
 Alternate Address: 7,123 ACRES; EAST OF RIVERSIDE, CA  
 Alternate City,St,Zip: RIVERSIDE, CA 92518  
 Background Info: Site 40 is a former landfill used for disposing wastes from March AFB. Site 40 is approximately 18 acres of rolling land and the c

MARCH AIR FORCE BASE - SITE 40 (Continued)

S102008377

entrance portion of the property consists of a pond which accumulates surface runoff. Buried drums at this landfill were filled with sodium hydroxide, roofing tar, asphalt solids and waste, and oil and grease. There is potential contamination of the surface and storm water due to exposure to the drums and debris. March AFB was included on the NPL in 1989. A Federal Facilities Agreement (FFA) was signed between EPA, DHS, the Santa Ana RWQCB and the Air Force in September 1990, to provide for the remediation of the Base. For details on other efforts at March AFB refer to March AFB site ID: IJUN 33970002.  
 Comments Date: 04301992  
 Comments: Landfill #8, Site 40 fence and posted complete. This landfill was exposed when a water tank overflowed after rain, and washed down a gully north of Van Buren Blvd. and west of Plummer Road.  
 Comments Date: 06281995  
 Comments: Removal Action (RA) - The primary objective of this time-critical RA was to prevent potential contamination of the surface and storm water in the channel due to exposure to drums and debris buried in the channel bed. Field exclosure of the RA resulted in removing approximately 70 5-gallon to 20-gallon decomposed drums filled with sodium hydroxide and 30 55 gallon drums filled with roofing tar, asphalt solids and waste, and oil grease solids. Approximately 200 cubic yards of contaminated overburden material extended above and to the sides of the drums, in addition to the drums, were combined in 85 gallon overpack drums and transported off-site for treatment/stabilization in lined end-dumps at the Landia Environmental. Approximately 14 tons of debris containing non-friable asbestos as less than 10% by total weight were placed in a lined roll-off box and transported off-site to BDC Services, Inc. for disposal. In addition, approximately 6,800 cubic yards of non-hazardous materials (consisting of soil and debris) were transported to IRP Site 6a. As part of Site 40 restoration, the water's elevation in the pond was raised by installing a concrete weir at the outlet of the pond. Each site location, including the

MARCH AIR FORCE BASE - SITE 40 (Continued)

S102008377

Comments: creek bed, was restored. Vegetation destroyed during construction  
 Comments Date: 06281995  
 Comments: n was replaced with California native plants. This RA, at Site 40  
 Comments Date: 06281995  
 Comments: , is undertaken as part of the ongoing long term remedial actions  
 Comments Date: 06281995  
 Comments: (RI/FS OU 2). 100 drums, 200 cubic yards of contaminated soil  
 Comments Date: 06281995  
 Comments: #, 14 tons of non-friable asbestos debris, and 6,800 cubic yards  
 Comments Date: 06281995  
 Comments: of non-hazardous materials were removed.  
 Comments Date: 10041995  
 Comments: Certification - Confirmation sampling has shown the soil to be suitable for unrestricted use. DTSC has determined that all appropriate remedial actions have been completed, that all acceptable engineering practices were implemented and that no further removal/ remedial action is necessary.  
 Comments Date: 10131994  
 Comments: RI/FS - This RI/FS was completed via an EECA for Site 40 which DTSC approved on October 13, 1994. Site 40 is a former landfill used for disposing military wastes. It is approximately 18 acres and the central portion of the property consists of a pond which accumulates surface run-off. There are drums buried at this landfill that appear to contain a mixture of chemicals, clothing, and domestic refuse. The Air Force will: 1) excavate buried drums and other solid waste from the creek bed to prepare subgrade for the liner. Containerized waste will be segregated, sampled and char acterized for disposal, 2) construct a new channel, 3) raise the water level in the pond by constructing a weir, 4) trench at three areas outside of the original excavation area which responded positively during the magnetometer survey, 5) engineer the drainage inlet and outlet to limit contact between the water in the pond and the remaining contaminants, if any. Approximate cost = not available, funding = BRAC  
 Comments Date: 10131994  
 Comments: ID Name: Not reported  
 Comments Date: 10131994  
 Comments: ID Value: Not reported  
 Comments Date: 10131994  
 Comments: Alternate Name: ALESSANDRO AVIATION FIELDMARCH AIR FORCE BASE - SITE 40  
 Comments Date: 10131994  
 Comments: Special Programs Code: Not reported

MARCH AIR FORCE BASE - SITE 40 (Continued)

S102008377

Special Programs Name: Not reported

**B10** **BUILDING 962** **CA CHMIRS** **S100179024**  
**SSW** **MARCH AFB** **CA Notify 65** **N/A**  
 1/2-1 **MORENO VALLEY, CA 90062**  
 0.749 mi. **Site 3 of 6 in cluster B**  
**3957 ft.**  
**Relative:** CHMIRS:  
**Lower:** OES Incident Number: 97-1205  
 OES notification: 03/24/1997  
**Actual:** OES Date: Not reported  
 OES Time: Not reported  
 1483 ft. Incident Date: Not reported  
**Date Completed:** Not reported  
 Property Use: Not reported  
 Agency Id Number: Not reported  
 Agency Incident Number: Not reported  
 Time Notified: Not reported  
 Time Completed: Not reported  
 Surrounding Area: Not reported  
 Estimated Temperature: Not reported  
 Property Management: Not reported  
 More Than Two Substances Involved?: Not reported  
 Resp Agency Personnel # Of Decontaminated: Not reported  
 Responding Agency Personnel # Of Injuries: Not reported  
 Responding Agency Personnel # Of Fatalities: Not reported  
 Others Number Of Decontaminated: Not reported  
 Others Number Of Injuries: Not reported  
 Others Number Of Fatalities: Not reported  
 Vehicle Make/year: Not reported  
 Vehicle License Number: Not reported  
 Vehicle State: Not reported  
 Vehicle Id Number: Not reported  
 CA DOT PUC/ICC Number: Not reported  
 Company Name: Not reported  
 Reporting Officer Name/ID: Not reported  
 Report Date: Not reported  
 Facility Telephone: Not reported  
 Waterway Involved: No  
 Waterway: Not reported  
 Spill Site: Not reported  
 Cleanup By: Reporting Party  
 Containment: Not reported  
 What Happened: Not reported  
 Type: Not reported  
 Measure: Not reported  
 Other: Not reported  
 Date/Time: Not reported  
 Year: 1997  
 Agency: AFB Conversion Agency  
 Incident Date: 3/23/1997 12:00:00 AM  
 Admin Agency: Riverside County Environmental Health  
 Amount: Not reported  
 Contained: Yes  
 Site Type: Military Base  
 E Date: Not reported  
 Substance: Trichloroethylene

BUILDING 962 (Continued)

S100179024

Gallons: btwn 500-1000  
 Unknown: 0  
 Substance #2: Not reported  
 Substance #3: Not reported  
 Evacuations: 0  
 Number of Injuries: 0  
 Number of Fatalities: 0  
 #1 Pipeline: Not reported  
 #2 Pipeline: Not reported  
 #3 Pipeline: Not reported  
 #1 Vessel >= 300 Tons: Not reported  
 #2 Vessel >= 300 Tons: Not reported  
 #3 Vessel >= 300 Tons: Not reported  
 Evacs: Not reported  
 Injuries: Not reported  
 Fatal: Not reported  
 Comments: Not reported  
 Description: Somehow the pump tripped at the lift station. Two check valves failed causing tank to overflow. The average concentration is 19.6 PPB  
 NOTIFY 65:  
 Date Reported: Not reported  
 Staff Initials: Not reported  
 Board File Number: Not reported  
 Facility Type: Not reported  
 Discharge Date: Not reported  
 Incident Description: 90062

**B11** **MARCH AIR RESERVE BASE** **CA HIST Cal-Sites** **S104241831**  
**SSW** **3,545 ACRES, EAST OF RIVERSIDE** **CA Cortes** **N/A**  
 1/2-1 **RIVERSIDE, CA 92518** **CA ENVIROSTOR**  
 0.749 mi. **Site 4 of 6 in cluster B**  
**3957 ft.**  
**Relative:** Calsite:  
**Lower:** Region: GLENDALE  
 Facility ID: 33970004  
 Facility Type: OPEN  
 Type: OPEN MILITARY BASE  
 Branch: SO  
 Branch Name: OMF-SOUTHERN CALIF  
 File Name: Not reported  
 State Senate District: 07131998  
 Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE  
 Status Name: ANNUAL WORKPLAN - ACTIVE SITE  
 Lead Agency: ENVIRONMENTAL PROTECTION AGENCY  
 NPL: Listed  
 SIC Code: 97  
 SIC Name: NATIONAL SECURITY/INTERNATIONAL AFFAIRS  
 Access: Not reported  
 Cortese: Not reported  
 Hazardous Ranking Score: Not reported  
 Date Site Hazard Ranked: Not reported  
 Groundwater Contamination: Confirmed  
 Staff Member Responsible for Site: SNIQU  
 Supervisor Responsible for Site: Not reported  
 Region Water Control Board: SA

MARCH AIR RESERVE BASE (Continued)

S104241831

Region Water Control Board Name: SANTA ANA  
 Lat/Long Direction: Not reported  
 Lat/Long (dms): 0 0 0 / 0 0 0  
 Lat/Long Method: Not reported  
 Lat/Long Description: Not reported  
 State Assembly District Code: 62  
 State Senate District Code: 32  
 Facility ID: 33970004  
 Activity: RAP  
 Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
 AWP Code: OUZ  
 Proposed Budget: 0  
 AWP Completion Date: 12312004  
 Revised Due Date: 06302006  
 Comments Date: Not reported  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: DES  
 Activity Name: DESIGN  
 AWP Code: STE34  
 Proposed Budget: 0  
 AWP Completion Date: 07111996  
 Revised Due Date: Not reported  
 Comments Date: 07111996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: DES

MARCH AIR RESERVE BASE (Continued)

S104241831

Activity Name: DESIGN  
 AWP Code: STE33  
 Proposed Budget: 0  
 AWP Completion Date: 07081996  
 Revised Due Date: Not reported  
 Comments Date: 07081996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: OM  
 Activity Name: OPERATION & MAINTENANCE  
 AWP Code: PANER  
 Proposed Budget: 0  
 AWP Completion Date: 06171996  
 Revised Due Date: Not reported  
 Comments Date: 06171996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: OM  
 Activity Name: OPERATION & MAINTENANCE  
 AWP Code: SIT31  
 Proposed Budget: 0  
 AWP Completion Date: 05081996  
 Revised Due Date: Not reported  
 Comments Date: 05081996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported

MARCH AIR RESERVE BASE (Continued)

S104241831

Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: DES  
 Activity Name: DESIGN  
 AWP Code: SIT31  
 Proposed Budget: 0  
 AWP Completion Date: 05081996  
 Revised Due Date: Not reported  
 Comments Date: 05081996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RA  
 Activity Name: REMOVAL ACTION  
 AWP Code: SIT11  
 Proposed Budget: 0  
 AWP Completion Date: 05011996  
 Revised Due Date: Not reported  
 Comments Date: 05011996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 380  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: N  
 Activity Comments: CONTAMINATED SOIL REMOVED AND STOCKPILED AT SITE 15 FOR REMEDIATION

MARCH AIR RESERVE BASE (Continued)

S104241831

For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RIFS  
 Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
 AWP Code: STE 1  
 Proposed Budget: 0  
 AWP Completion Date: 03251996  
 Revised Due Date: Not reported  
 Comments Date: 03251996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RIFS  
 Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
 AWP Code: STE 9  
 Proposed Budget: 0  
 AWP Completion Date: 03251996  
 Revised Due Date: Not reported  
 Comments Date: 03251996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: DES  
 Activity Name: DESIGN  
 AWP Code: STE10  
 Proposed Budget: 0

MARCH AIR RESERVE BASE (Continued)

S104241831

AWP Completion Date: 02021996  
 Revised Due Date: Not reported  
 Comments Date: 02021996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: DES  
 Activity Name: DESIGN  
 AWP Code: STE15  
 Proposed Budget: 0  
 AWP Completion Date: 02021996  
 Revised Due Date: Not reported  
 Comments Date: 02021996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RAP  
 Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
 AWP Code: OU-3  
 Proposed Budget: 0  
 AWP Completion Date: 09141995  
 Revised Due Date: Not reported  
 Comments Date: 09141995  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0

MARCH AIR RESERVE BASE (Continued)

S104241831

Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RA  
 Activity Name: REMOVAL ACTION  
 AWP Code: STE34  
 Proposed Budget: 0  
 AWP Completion Date: 07111996  
 Revised Due Date: Not reported  
 Comments Date: 07111996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: OM  
 Activity Name: OPERATION & MAINTENANCE  
 AWP Code: STE34  
 Proposed Budget: 0  
 AWP Completion Date: 07111996  
 Revised Due Date: Not reported  
 Comments Date: 07111996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0

MARCH AIR RESERVE BASE (Continued)

S104241831

Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RAP  
 Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
 AWP Code: OU-3  
 Proposed Budget: 0  
 AWP Completion Date: 11131996  
 Revised Due Date: Not reported  
 Comments Date: 11131996  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RA  
 Activity Name: REMOVAL ACTION  
 AWP Code: SITEB  
 Proposed Budget: 0  
 AWP Completion Date: 04102000  
 Revised Due Date: Not reported  
 Comments Date: 04102000  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RA  
 Activity Name: REMOVAL ACTION  
 AWP Code: SITE8  
 Proposed Budget: 0  
 AWP Completion Date: 12312006  
 Revised Due Date: Not reported  
 Comments Date: Not reported

MARCH AIR RESERVE BASE (Continued)

S104241831

Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RA  
 Activity Name: REMOVAL ACTION  
 AWP Code: STE18  
 Proposed Budget: 0  
 AWP Completion Date: 04071999  
 Revised Due Date: Not reported  
 Comments Date: 04071999  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: N  
 Activity Comments: GROUNDWATER LEVELS ARE DEPRESSED TO EXPOSE CONTAMINATED SATURATED SOIL FOR CLEANUP BY COMBINED SOIL VAPOR EXTRACTION, AND SOIL AERATION/BIO-VENTING. SVE = 137 SCFM  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: OM  
 Activity Name: OPERATION & MAINTENANCE  
 AWP Code: SITE8  
 Proposed Budget: 0  
 AWP Completion Date: 12312005  
 Revised Due Date: 06302007  
 Comments Date: Not reported  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0

MARCH AIR RESERVE BASE (Continued)

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Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RA  
 Activity Name: REMOVAL ACTION  
 AWP Code: STE39  
 Proposed Budget: 0  
 AWP Completion Date: 03121999  
 Revised Due Date: Not reported  
 Comments Date: 03121999  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 3000  
 Liquids Treated (Gals): 3000  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: N  
 Activity Comments: A BIO-VENTING (AIR INJECTION) WELL, TWO BIO-VENTING MONITORING PROBES, CONVEYANCE PIPING, AN AIR BLOWER, AND MECHANICAL AND ELECTRICAL APPURTENANCES.  
 For Commercial Reuse: 1  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: DES  
 Activity Name: DESIGN  
 AWP Code: STE39  
 Proposed Budget: 0  
 AWP Completion Date: 02231999  
 Revised Due Date: Not reported  
 Comments Date: 02231999  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0

MARCH AIR RESERVE BASE (Continued)

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For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: DESIGN  
 Activity Name: DESIGN  
 AWP Code: SITE8  
 Proposed Budget: 0  
 AWP Completion Date: 12312004  
 Revised Due Date: 12312006  
 Comments Date: Not reported  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: OM  
 Activity Name: OPERATION & MAINTENANCE  
 AWP Code: STE36  
 Proposed Budget: 0  
 AWP Completion Date: 02072000  
 Revised Due Date: Not reported  
 Comments Date: 02072000  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: RA  
 Activity Name: REMOVAL ACTION  
 AWP Code: STE36  
 Proposed Budget: 0  
 AWP Completion Date: 05261999  
 Revised Due Date: Not reported

MARCH AIR RESERVE BASE (Continued)

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Comments Date: 05261999  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: INSTALLATION OF A GROUNDWATER EXTRACTION AND TREATMENT SYSTEM IN COMBINATION WITH A SYSTEM FOR SOIL VAPOR EXTRACTION(S/VE).  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: DES  
 Activity Name: DESIGN  
 AWP Code: SITE18  
 Proposed Budget: 0  
 AWP Completion Date: 07211998  
 Revised Due Date: Not reported  
 Comments Date: 07211998  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: CERT  
 Activity Name: CERTIFICATION  
 AWP Code: STE33  
 Proposed Budget: 0  
 AWP Completion Date: 12312007  
 Revised Due Date: Not reported  
 Comments Date: Not reported  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0

MARCH AIR RESERVE BASE (Continued)

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Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: CERT  
 Activity Name: CERTIFICATION  
 AWP Code: STE27  
 Proposed Budget: 0  
 AWP Completion Date: 12312006  
 Revised Due Date: Not reported  
 Comments Date: Not reported  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: CERT  
 Activity Name: CERTIFICATION  
 AWP Code: SITE8  
 Proposed Budget: 0  
 AWP Completion Date: 12312006  
 Revised Due Date: Not reported  
 Comments Date: Not reported  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0

MARCH AIR RESERVE BASE (Continued)

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Facility ID: 33970004  
 Activity: CERT  
 Activity Name: CERTIFICATION  
 AWP Code: SITE2  
 Proposed Budget: 0  
 AWP Completion Date: 12312006  
 Revised Due Date: Not reported  
 Comments Date: Not reported  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: CERT  
 Activity Name: CERTIFICATION  
 AWP Code: B2307  
 Proposed Budget: 0  
 AWP Completion Date: 08302007  
 Revised Due Date: Not reported  
 Comments Date: Not reported  
 Est Person-Yrs to complete: 0  
 Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Facility ID: 33970004  
 Activity: CERT  
 Activity Name: CERTIFICATION  
 AWP Code: STE18  
 Proposed Budget: 0  
 AWP Completion Date: 12312007  
 Revised Due Date: Not reported  
 Comments Date: Not reported  
 Est Person-Yrs to complete: 0

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Estimated Size: Not reported  
 Request to Delete Activity: Not reported  
 Activity Status: AWP  
 Definition of Status: ANNUAL WORKPLAN - ACTIVE SITE  
 Liquids Removed (Gals): 0  
 Liquids Treated (Gals): 0  
 Action Included Capping: Not reported  
 Well Decommissioned: Not reported  
 Action Included Fencing: Not reported  
 Removal Action Certification: Not reported  
 Activity Comments: Not reported  
 For Commercial Reuse: 0  
 For Industrial Reuse: 0  
 For Residential Reuse: 0  
 Unknown Type: 0  
 Alternate Address: 2374 ACRES, EAST OF RIVERSIDE  
 Alternate City, St, Zip: RIVERSIDE, CA 92518  
 Alternate Address: 2990 GRAEBER STREET  
 Alternate City, St, Zip: MORENO VALLEY, CA 92518  
 Alternate Address: 3.545 ACRES, EAST OF RIVERSIDE  
 Alternate City, St, Zip: RIVERSIDE, CA 92518  
 Background Info: This facility is an active U.S. Air Reserve Base part of the the Air Mobility Command (AMC). The Base's mission is to maintain an effective air to air refueling operation capability. Operations at the Base include: maintenance and repair of air-craft, vehicles and equipment; operation of a photo lab and printing plant; an oil fuel management. March AFB has historically generated the following hazardous wastes: petroleum, oil and lubricants (POLs), chlorinated and nonchlorinated solvents, corrosives, antifreeze, paint and paint strippers, carbon removers and photographic chemicals. Past activities which have resulted in contamination at the base include burning waste in fire fighting training exercises and discharges to sanitary sewers and storm drains. Groundwater has been contaminated with trichloroethylene (TCE). Groundwater is the primary source of potable water in this area. There is a potential for contamination of soils and surface water. This base was included on the NPL in 1989. A Federal Facilities Agreement (FFA) was signed between EPA, DHS, the Santa Ana RIVOCB and the Air Force in September 1990, to provide for the remediation of the Base. The Base has been divided into three groups, or operable units, which are similar to the State's removal actions, for remediation. These groups are: 1) ground-water and soil for areas along the east boundary and off base plume, 2) groundwater and soil for areas not included in units 1 & 3, and 3) groundwater and soil in area 33.  
 Comments Date: 02/02/1996  
 Comments: the final OU#1 Record of Decision (ROD). Approximately 15 cubic yards of sediment material will be removed from the concrete-lined channel and transported off-site to Candelaria Environmental for bioremediation. DES - SITE 15: This is also part of OU#1. The Comments Date: 07/24/1998  
 Comments: DES - SITE 18: The remediation technology for Site 18 is based on depressing the groundwater levels to expose contaminated

MARCH AIR RESERVE BASE (Continued)

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Comments Date: 07/24/1998  
 Comments: saturated soils for cleanup by combined soil vapor extraction,  
 Comments Date: 05/01/1996  
 Comments: (Fuel Pump Station Building 2202 and Building 2340. These fuel lines transport fuels from the fuel storage tanks to the flight line to enable refueling of aircraft. Leakage of the fuel line was five extraction wells, 2) Constructing a small concrete pad to support process equipment. 3) Installing groundwater and vapor conveyance piping and other necessary equipment to convey soil RIFS - SITE L: This EE/CA has been prepared to address a removal waste disposal area for various base wastes including wastes oils solvents, asbestos-containing material, and polychlorinated biphenyls (PCBs). The primary sources of contamination are the drums, transformers, or other bulk containers which may have been disposed of into the former swimming pool, the secondary source of contamination is soil or debris saturated with or containing high concentrations of contaminants in the immediate areas surrounding the primary source, and the concrete containment of the swimming pool area is also considered as a possible secondary source. The actual type and quantity of wastes in the pool are unknown at this time. If the wastes are not currently adequately contained, there is a likelihood that both the subsurface soils and/or groundwater may continue to be impacted by the wastes. Due to the variety of wastes which may be encountered and the differences in treating or disposing of those wastes, a combination of alternatives is proposed.  
 Comments Date: 02/02/1996  
 Comments: DES - SITE 10: This is part of OU#1. The drainage channel, which was installed prior to 1940, has reportedly received various oils, hydraulic fluids, diesel fuel, jet fuel, waste paints, paint s

MARCH AIR RESERVE BASE (Continued)

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Comments: trippers, paint thinners, battery acids and solvents. The drainage channel is concretelined (since the 1960s) up to the eastern boundary of the base where it discharges to the Perris Valley storm drain. The objectives of this remediation of contaminated sediment from Site 10, pursuant to the cleanup criteria set forth in Fire Training Area (FTA), Site 15, was developed in 1978 and was reportedly constructed by placing an underdrain system and gravel on top of a 10' clay liner. Firefighting water, solutions of Aqueous Film Forming Foam (AFFF) and residual fuel used during training exercises were drained to a formerly unlined water holding pond located adjacent to the FTA. Approximately 6000 gallons per year of contaminated JP-4 have been burned in training exercises since the facility was constructed in 1978. The primary contaminants of concern are Benzene, Naphthalene, 2-Methylnaphthalene and Phenanthrene. The remedial actions for Site 15 will require the handling of two streams; the evaporation pond water and soils contaminated with PAHs. Approximately 4,500 gallons of water, from the evaporation pond will be transferred to a base sewer inlet located one-half mile from Site 15 using a 5,000-gallon vacuum truck supplied by Environmental Dynamic. Approximately 8,950 tons of contaminated soil will be transported off-site to Candelaria Environmental for bioremediation. The objectives of this remedial action were set forth in the final OU# 1 Record of Decision (ROD).  
 Comments Date: 02/07/2000  
 Comments: to be conducted at Site 36.  
 Comments Date: 02/07/2000  
 Comments: Site 36 - OM: A dual phase extraction system, which combines soil vapor extraction with groundwater extraction, is in operation at site 36. This document contains the Operation and Maintenance (OM) procedures relating to operation and maintenance activities  
 Comments Date: 02/24/1999  
 Comments: DES - Site 39: The remedial design objective for Site 39 is to

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Comments Date: 02/24/1999  
 Comments: reduce the contaminant concentrations in the subsurface soil and prevent further degradation of groundwater through contaminant migration. The remedial system will include the installation of a soil bioventing system. The system will be comprised of a bioventing (air injection) well, two bioventing monitoring probes, conveyance piping, an air blower, and mechanical and electrical appurtenances. The estimated remedial time is 2 years and the volume of soil to be treated is approximately 3000 cubic yards.  
 Comments Date: 03/25/1996  
 Comments: RIFS - SITE 9: The removal of the OWS will eliminate a potential source area for groundwater contamination in the future. This Site Specific Action Memorandum was prepared to evaluate and identify the most effective remedial alternative to remove the OWS and dispose of the expected 100 cubic yards of oil contaminated soil. On-base consolidation with Site 6 lined waste cell provides the maximum level of regulatory compliance within the lowest cost level and is compatible with land use. Site 9 is recommended for military reuse under the Joint Power Authority preferred alternative. Site 9 vicinity may potentially have Beechy's Squirrel and Burrowing Owl, but excavation activities will be focused on the OWS. No potential wetlands are located in Site 9 vicinity. RIFS - SITE 1: Soil sampling at Site 1 detected polycyclic aromatic hydrocarbons (PAHs) as a contaminant of concern. Ground-water samples detected metals; however, only manganese was detected above US Environmental Protection Agency Preliminary remediation Goals (PRGs). Soil from Site 1 was excavated during construction of the Air National Guard Alert Facility. Approximately 3,100 cubic yards of PAH contaminated soil has been stockpiled on-site under p

MARCH AIR RESERVE BASE (Continued)

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Comments: lastic sheeting pending disposal. The risk assessment for Site 1  
 Comments Date: 03251996  
 Comments: determined that no human health risk was present at the site because  
 Comments Date: 03251996  
 Comments: use the exposure pathway was limited. Now that the soil has been  
 Comments Date: 03251996  
 Comments: disturbed, the soil stockpiled at Site 1 needs to be removed to p  
 Comments Date: 03251996  
 Comments: recede further exposure. This Site Specific Action Memorandum w  
 Comments Date: 03251996  
 Comments: as prepared to evaluate and identify the most effective disposal  
 Comments Date: 03251996  
 Comments: already. The site is planned for Air National Guard use and w  
 Comments Date: 03251996  
 Comments: ill remain in military use. Site 1 is not a habitat for any enda  
 Comments Date: 03251996  
 Comments: ngered species and no perennial wetlands are located in its vicin  
 Comments Date: 03251996  
 Comments: ily  
 Comments Date: 04081999  
 Comments: RA - SITE 18: The construction of the remedial action for Site 18  
 Comments Date: 04081999  
 Comments: was completed on February 23, 1999 and the system started on  
 Comments Date: 04081999  
 Comments: Friday 26, 1999. The remediation technology for Site 18 is based  
 Comments Date: 04081999  
 Comments: on depressing the groundwater levels to expose contaminated  
 Comments Date: 04081999  
 Comments: saturated soils for cleanup by combined soil vapor extraction, and  
 Comments Date: 04081999  
 Comments: soil aeration/bioventing, free product removal by vaporization  
 Comments Date: 04081999  
 Comments: and phase separation as necessary, and dissolved through the  
 Comments Date: 04081999  
 Comments: groundwater pump and treat and by natural attenuation/biochemical  
 Comments Date: 04081999  
 Comments: degradation mechanisms. The extracted groundwater is pre-treated  
 Comments Date: 04081999  
 Comments: to remove any free product before transfer by pipeline to the Site  
 Comments Date: 04081999  
 Comments: 31 treatment facility for treatment by granular activated carbon.  
 Comments Date: 04081999  
 Comments: Amended product is collected via skimmer pump and contained for  
 Comments Date: 04081999  
 Comments: disposal. A soil vapor extraction and treatment system (thermal  
 Comments Date: 04081999  
 Comments: oxidizer) unit was installed at site 18 to treat the recovered  
 Comments Date: 04081999  
 Comments: hydrocarbon vapors locally, before discharging to the atmosphere.  
 Comments Date: 05011996  
 Comments: RA - SITE 11: Site 11 is part of OU#2. It includes an area design  
 Comments Date: 05011996  
 Comments: along with the Liquid Fuels Management, Bulk Storage Facility. The l  
 Comments Date: 05011996  
 Comments: eaking fuel line section was between the tank car unloading dock  
 Comments Date: 06011999  
 Comments: vapor and groundwater to the treatment pad. 4)Installing process

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Comments Date: 06011999  
 Comments: equipment for treating contaminated soil vapor and groundwater.  
 Comments Date: 06011999  
 Comments: 5) Performing system startup including sampling of vapor and  
 Comments Date: 06011999  
 Comments: groundwater, and system optimization.  
 Comments Date: 06171996  
 Comments: O&M Site 33(PANERO): The Site 33 Pump and Treat System (PTS) cons  
 Comments Date: 06171996  
 Comments: ists of flow equalization tanks, an oil-water separator, air stri  
 Comments Date: 06171996  
 Comments: pping, thermal oxidation of air stripper off-gas, and granular ac  
 Comments Date: 06171996  
 Comments: ivated carbon polishing of the air stripper effluent. An interna  
 Comments Date: 06171996  
 Comments: l combustion engine is used to treat vapors recovered by vapor ex  
 Comments Date: 06171996  
 Comments: traction of the pumping wells. The PTS is designed to sustain co  
 Comments Date: 06171996  
 Comments: ntinuous operation without direct operator control. Periodic surv  
 Comments Date: 06171996  
 Comments: ellance and maintenance will be required to ensure reliable oper  
 Comments Date: 06171996  
 Comments: ation and compliance with regulatory requirements. Process perfor  
 Comments Date: 06171996  
 Comments: ming monitoring of the vapor and water treatment systems will be in  
 Comments Date: 06171996  
 Comments: onducted. This includes on-site sampling and tests of the influ  
 Comments Date: 06171996  
 Comments: ent streams, intermittent treatment points and the effluent strea  
 Comments Date: 06171996  
 Comments: ms to verify satisfactory operation, and timely change-out of the  
 Comments Date: 06171996  
 Comments: GAC treatment units to maintain regulatory discharge limits and  
 Comments Date: 06171996  
 Comments: cost effectiveness. Preventive equipment maintenance tasks, in a  
 Comments Date: 06171996  
 Comments: cordance with the manufacturers recommend-ations, will be perfo  
 Comments Date: 06171996  
 Comments: rmed along with routine maintenance and record keeping activities  
 Comments Date: 06171996  
 Comments: . Normally, one field technician will be required to perform the  
 Comments Date: 06171996  
 Comments: routine O&M tasks, including well inspections and maintenance, p  
 Comments Date: 06171996  
 Comments: ump overhauls, process instrument calibrations, equipment repairs  
 Comments Date: 06171996  
 Comments: and replacements. The manufacturer shall have local service rep  
 Comments Date: 06171996  
 Comments: resentatives capable of responding to equipment failures or probl  
 Comments Date: 06171996  
 Comments: ems within 3 hours of initial contact.  
 Comments Date: 07111996  
 Comments: O&M - SITE 34: An area near the oil/water separator, which was im  
 Comments Date: 07111996  
 Comments: properly installed and is adjacent to Site 34, has been identifie  
 Comments Date: 07111996

MARCH AIR RESERVE BASE (Continued)

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Comments: d as a potential source of the mainly hydrocarbon contamination f  
 Comments Date: 07111996  
 Comments: urther to the northwest. In March 1994 the AF installed and bega  
 Comments Date: 07111996  
 Comments: n the operation of a bioventing treatability study project at Sit  
 Comments Date: 07111996  
 Comments: e 34 to determine the effectiveness of bioventing at this site.  
 Comments Date: 07111996  
 Comments: This study was completed in July 1996 and successfully demonst  
 Comments Date: 07111996  
 Comments: ed the effectiveness of bioventing for this site. The Operation a  
 Comments Date: 07111996  
 Comments: nd Maintenance (O&M) phase will consist of monthly checks of the  
 Comments Date: 07111996  
 Comments: bioventing system, completion of operation/maintenance/repair man  
 Comments Date: 07111996  
 Comments: uals and respiration tests every 6 months of operation. In addit  
 Comments Date: 07111996  
 Comments: ion, oxygen, carbon dioxide and hydrocarbon concentrations from t  
 Comments Date: 07111996  
 Comments: he vapor monitoring wells will be monitored on a monthly basis. T  
 Comments Date: 07111996  
 Comments: he O&M of the bioventing system will be performed for a duration  
 Comments Date: 07111996  
 Comments: of one year after installation and start-up. Data collected from  
 Comments Date: 07111996  
 Comments: the monthly monitoring is evaluated and used as the basis for ad  
 Comments Date: 07111996  
 Comments: justing the air flow into the subsurface. Preventive equipment m  
 Comments Date: 07111996  
 Comments: aintenance tasks, in accordance with the manufacturers recommend  
 Comments Date: 07111996  
 Comments: ions, will be performed along with routing maintenance and recor  
 Comments Date: 07111996  
 Comments: d keeping activities. Status reports will be prepared and submit  
 Comments Date: 07111996  
 Comments: ted as required for satisfactory operating control and regulatory  
 Comments Date: 07111996  
 Comments: compliance requirements. Qualified supervisory personnel will o  
 Comments Date: 07111996  
 Comments: rverse execution of the O&M tasks to minimize costs, and ensure t  
 Comments Date: 07111996  
 Comments: imely and accurate operating reports. DES-SITE 34: The design  
 Comments Date: 07111996  
 Comments: of the bioventing system was included in the treatability study d  
 Comments Date: 07111996  
 Comments: ocument. A Remedial Action Workplan was submitted in July 1996 t  
 Comments Date: 07111996  
 Comments: hat considered bioventing the final remedial alternative at Site  
 Comments Date: 07111996  
 Comments: 34. This is consistent with the Operable Unit #1 (OU#1) signed R  
 Comments Date: 07111996  
 Comments: ecord of Decision (ROD). The primary advantage in using bioventi  
 Comments Date: 07111996  
 Comments: ng is the low cost to install, operate, maintain and monitor the  
 Comments Date: 07111996  
 Comments: system as compared to other remediation technology. The treatabi

MARCH AIR RESERVE BASE (Continued)

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Comments Date: 07111996  
 Comments: ility study has demonstrated that the bioventing at Site 34 of the  
 Comments Date: 07111996  
 Comments: hydrocarbon contamination is cost effective, has minimal environ  
 Comments Date: 07111996  
 Comments: mental impact and will achieve the cleanup standards set in the O  
 Comments Date: 07111996  
 Comments: U#1 ROD. Bioventing is the process of delivering oxygen by force  
 Comments Date: 07111996  
 Comments: d air into the soil to stimulate or enhance the natural biodegrad  
 Comments Date: 07111996  
 Comments: ation process of petroleum hydrocarbon contaminants within the so  
 Comments Date: 07111996  
 Comments: il. The existing bioventing system at Site 34 was designed with  
 Comments Date: 07111996  
 Comments: excess air injection capacity, therefore, it may be possible to t  
 Comments Date: 07111996  
 Comments: ap into this system for use at the adjacent sites. RA - SITE 34  
 Comments Date: 07111996  
 Comments: : Soil contaminants detected during the RI/FS conducted at Site 3  
 Comments Date: 07111996  
 Comments: 4 include VOCs, SVOCs, Pesticides/PCBs, Oil and Grease, JP-4 and  
 Comments Date: 07111996  
 Comments: Diesel Fuel. The Air Force (AF) will characterize the newly disc  
 Comments Date: 07111996  
 Comments: overed contamination at Site 34 using a soil gas survey which will  
 Comments Date: 07111996  
 Comments: l provide potential locations for soil borings based on contamina  
 Comments Date: 07111996  
 Comments: nt concentrations. The AF installed and successfully demonstrated  
 Comments Date: 07111996  
 Comments: the effectiveness of a bioventing system at this Site. The obje  
 Comments Date: 07111996  
 Comments: ctives of this remedial action is to determine the extent of the  
 Comments Date: 07111996  
 Comments: new hydrocarbon contamination at the oil/water separator, to eval  
 Comments Date: 07111996  
 Comments: uate and select the best approach to biovent the site, and to mon  
 Comments Date: 07111996  
 Comments: itor that the bioremedial approach is achieving groundwater prote  
 Comments Date: 07111996  
 Comments: ction standards as established in the OU#1 Record of Decision (RO  
 Comments Date: 07111996  
 Comments: D).  
 Comments Date: 07241998  
 Comments: and soil aeration/bioventing, free product removal by vaporiza-  
 Comments Date: 07241998  
 Comments: tion and phase separation as necessary, and dissolved through the  
 Comments Date: 07241998  
 Comments: groundwater pump and treat and by natural attenuation/biochemical  
 Comments Date: 07241998  
 Comments: degradation mechanisms. The extracted groundwater would be pre-  
 Comments Date: 07241998  
 Comments: treated to remove any free product before transfer by pipeline to  
 Comments Date: 07241998  
 Comments: the Site 31 treatment facility for treatment by granular acti-  
 Comments Date: 07241998

MARCH AIR RESERVE BASE (Continued)

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Comments: vated carbon. Any free product would be collected via skimmer  
 Comments Date: 07241998  
 Comments: pump and contained for disposal. A soil vapor extraction and  
 Comments Date: 07241998  
 Comments: treatment system(thermal oxidizer) unit will be installed at site  
 Comments Date: 07241998  
 Comments: 18 to treat the recovered hydrocarbon vapors locally, before  
 Comments Date: 07241998  
 Comments: discharging to the atmosphere.  
 Comments Date: 09141995  
 Comments: RAP OU#3. This ROD/RAP presents the remedial alternative selected  
 Comments Date: 09141995  
 Comments: to remediate soil and groundwater that is contaminated with petr  
 Comments Date: 09141995  
 Comments: oleum hydrocarbons and solvent beneath Operable Unit #3 (OU#3). O  
 Comments Date: 09141995  
 Comments: U#3, which encompasses the former Panero Fueling facility, is loc  
 Comments Date: 09141995  
 Comments: ated on the aircraft apron, between the flightline shops and the  
 Comments Date: 09141995  
 Comments: taxiway. The major components of the selected alternative include  
 Comments Date: 09141995  
 Comments: 1. Institutional control, including fencing, site use restri  
 Comments Date: 09141995  
 Comments: ction, and deed restriction of groundwater use. 2. Quarterly grou  
 Comments Date: 09141995  
 Comments: ndwater monitoring. 3. Continued free product recovery. 4. Soil r  
 Comments Date: 09141995  
 Comments: emediation using soil vapor extraction and bioventing. 5. Groundwa  
 Comments Date: 09141995  
 Comments: ter source remediation using surfactant and in-situ bioremediatio  
 Comments Date: 09141995  
 Comments: n. 6. Groundwater dissolved plume treatment using groundwater pum  
 Comments Date: 09141995  
 Comments: p and treat (Air Strippers) system. The remedy is estimated to ac  
 Comments Date: 09141995  
 Comments: hieve cleanup goals within 30 years. Approximate cost: \$22,251  
 Comments Date: 09141995  
 Comments: \$55,00  
 Comments Date: 11131996  
 Comments: RAP - OU#3(SITE 33): This Decision Document (DD), which is equivi  
 Comments Date: 11131996  
 Comments: lar to a Remedial Action Plan (RAP), presents the selected Remov  
 Comments Date: 11131996  
 Comments: al Action upgrade for March Air Reserve Base (MARB) Operable Unit  
 Comments Date: 11131996  
 Comments: #3 pump and Treat System. This removal action upgrade is select  
 Comments Date: 11131996  
 Comments: ed to increase jet fuel (JP-4) free product recovery rates at OU#  
 Comments Date: 11131996  
 Comments: 3. The State of California, both DTSC and the Santa Ana Regional  
 Comments Date: 11131996  
 Comments: Water Quality Control Board (RWQCB), signed a Record of Decision  
 Comments Date: 11131996  
 Comments: (ROD) for OU#3 in September 1995. However, the US Environmental  
 Comments Date: 11131996  
 Comments: Protection Agency(USEPA) and the Air Force Reserves (AFRs) deci

MARCH AIR RESERVE BASE (Continued)

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Comments Date: 11131996  
 Comments: need to sign the ROD at the last minute; the USEPA invoking the pe  
 Comments Date: 11131996  
 Comments: trolem exclusion section of CERCLA and the AFRs stating that the  
 Comments Date: 11131996  
 Comments: preferred alternative in the ROD is too expensive. Therefore, a  
 Comments Date: 11131996  
 Comments: fter considerable efforts, all parties agreed to expand and upgra  
 Comments Date: 11131996  
 Comments: de the existing free product recovery system as an interim remedy  
 Comments Date: 11131996  
 Comments: for the JP-4 free product beneath OU#3. This action addresses o  
 Comments Date: 11131996  
 Comments: nly JP-4 free product and does not address all contamination rema  
 Comments Date: 11131996  
 Comments: ining at the site. The DD went through the RAP requirement of pu  
 Comments Date: 11131996  
 Comments: ble review and comment.  
 Comments Date: 05011996  
 Comments: discovered when March AFB personnel noticed a loss in line press  
 Comments Date: 05011996  
 Comments: ure during an integrity test of a section of the line between the  
 Comments Date: 05011996  
 Comments: fuel pump station and the flight line. Visual indications of a  
 Comments Date: 05011996  
 Comments: fuel leak were also observed in and around the concrete vault lo  
 Comments Date: 05011996  
 Comments: mval action consisted of trenching to expose the sub-surface fue  
 Comments Date: 05011996  
 Comments: ediate Response Action was to remove and replace the leaking sect  
 Comments Date: 05011996  
 Comments: ion of the sub-surface JP-8 fuel line. This was accomplished with  
 Comments Date: 05011996  
 Comments: in a very tight schedule (approx. seven days) to prevent the use  
 Comments Date: 05011996  
 Comments: of outside trucks for delivery of fuels to the aircrafts. The re  
 Comments Date: 05011996  
 Comments: mval action consisted of trenching to expose the sub-surface fue  
 Comments Date: 05011996  
 Comments: l lines and associated vault area including the demolishing and r  
 Comments Date: 05011996  
 Comments: emoval of overlaying asphalt and concrete, the removal of a 230 f  
 Comments Date: 05011996  
 Comments: oot of JP-8 fuel line and a 210 foot section of an inactive JP-8  
 Comments Date: 05011996  
 Comments: line was also removed, the placement of a new 8 inch steel JP-8 f  
 Comments Date: 05011996  
 Comments: uel line and a 12 inch steel road crossing sleeve and reconstruct  
 Comments Date: 05011996  
 Comments: ion of demolished concrete vault. Approximately, 380 cubic yards  
 Comments Date: 05011996  
 Comments: of contaminated soil was removed and stockpiled at Site 15 for r  
 Comments Date: 05011996  
 Comments: emediation. Upon getting the new pipe section on-line the general  
 Comments Date: 05011996  
 Comments: site area was landscaped and restored to the original condition  
 Comments Date: 05011996

MARCH AIR RESERVE BASE (Continued)

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Comments: to the extent possible. This included the backfilling maximum dr  
 Comments Date: 05011996  
 Comments: y density of the soil, and the replacement of the overlaying asph  
 Comments Date: 05011996  
 Comments: alt.  
 Comments Date: 05081996  
 Comments: DES - SITE 31: This is part of OU #1. The practice of dis- charg  
 Comments Date: 05081996  
 Comments: ing solvents on the ground reportedly occurred from about the mid  
 Comments Date: 05081996  
 Comments: -1950s to the mid-1970s. In addition, floor drains from maintenan  
 Comments Date: 05081996  
 Comments: ce shops may have leaked solvents to the subsurface. The primary  
 Comments Date: 05081996  
 Comments: contaminants of concern at Site 31 are Trichloro- ethylene (PCE),  
 Comments Date: 05081996  
 Comments: and traces of other chlorinated solvents. The contaminants are  
 Comments Date: 05081996  
 Comments: contained within the soils and the groundwater and will require r  
 Comments Date: 05081996  
 Comments: emediation to prevent further contamination of the OU#1 groundwat  
 Comments Date: 05081996  
 Comments: er. Extensive studies to identify source locations, determine si  
 Comments Date: 05081996  
 Comments: te characteristics and evaluate cost effective remedial alternati  
 Comments Date: 05081996  
 Comments: ves have been performed. A dual phase extraction technology coup  
 Comments Date: 05081996  
 Comments: led with granular activated carbon treatment of extracted groundw  
 Comments Date: 05081996  
 Comments: ater and soil vapor has been selected based on a pilot scale syst  
 Comments Date: 05081996  
 Comments: em shown to be a cost- effective method for remediation of this S  
 Comments Date: 05081996  
 Comments: ate. The treatment system shall discharge treated water that wi  
 Comments Date: 05081996  
 Comments: ll have a daily average concentration of 0.5 ppb TCE or less, and  
 Comments Date: 05081996  
 Comments: never will exceed a concentration of 5 ppb TCE. Treated groundw  
 Comments Date: 05081996  
 Comments: ater will be reinjected into the aquifer combined with discharge  
 Comments Date: 05081996  
 Comments: of excess water to the Heacock Storm drain and/or the base sanita  
 Comments Date: 05081996  
 Comments: ry sewer system, as required. Installation of process equipment,  
 Comments Date: 05081996  
 Comments: surface piping and electrical facilities is planned for the end  
 Comments Date: 05081996  
 Comments: of April, and startup of the system July 1996. This remedial act  
 Comments Date: 05081996  
 Comments: ion complies with the statutory preference for remedies as specif  
 Comments Date: 05081996  
 Comments: led in the Record of Decision (ROD) for OU#1. O&M SITE 31: The  
 Comments Date: 05081996  
 Comments: Site 31 dual phase extraction and treatment system is designed to  
 Comments Date: 05081996  
 Comments: sustain continuous operation without direct operator control. P

MARCH AIR RESERVE BASE (Continued)

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Comments Date: 05081996  
 Comments: eriodic surveillance and maintenance will be required to ensure r  
 Comments Date: 05081996  
 Comments: eliable operation and compliance with regulatory requirement. Pr  
 Comments Date: 05081996  
 Comments: ocess performing monitoring of the vapor and water treatment syst  
 Comments Date: 05081996  
 Comments: ems will be conducted. This includes on-site sampling and tests  
 Comments Date: 05081996  
 Comments: of the influent streams, intermittent treatment points and the ef  
 Comments Date: 05081996  
 Comments: fluent streams to verify satisfactory operation, and timely chang  
 Comments Date: 05081996  
 Comments: e-out of the GAC treat- ment units to maintain regulatory dischar  
 Comments Date: 05081996  
 Comments: ge limits and cost effectiveness. Preventive equipment maintenan  
 Comments Date: 05081996  
 Comments: ce tasks, in accordance with the manufacturers recommendations, w  
 Comments Date: 05081996  
 Comments: ll be performed along with routine maintenance and record keepin  
 Comments Date: 05081996  
 Comments: g activities. It is expected that the carbon change-out frequenc  
 Comments Date: 05081996  
 Comments: y will gradually decrease as the soil and groundwater contaminant  
 Comments Date: 05081996  
 Comments: levels decline with ongoing treatment. Initially the change-out  
 Comments Date: 05081996  
 Comments: s may occur once every 1-2 months and subsequently may decrease t  
 Comments Date: 05081996  
 Comments: o once or twice a year for the groundwater treatment system. Norm  
 Comments Date: 05081996  
 Comments: ally, one field technician will be required to perform the routin  
 Comments Date: 05081996  
 Comments: e O&M tasks, including wells inspections and maintenance, pump ov  
 Comments Date: 05081996  
 Comments: erhauls, process instrument calibrations, equipment repairs and r  
 Comments Date: 05081996  
 Comments: eplacements. Status reports along with analytical results and di  
 Comments Date: 05081996  
 Comments: scharge records will be prepared and submitted as required for sat  
 Comments Date: 05081996  
 Comments: isfactory operating control and regulatory compliance requirement  
 Comments Date: 05081996  
 Comments: s. Qualified supervisory personnel will oversee execution of the  
 Comments Date: 05081996  
 Comments: O&M tasks to minimize costs, and ensure timely and accurate oper  
 Comments Date: 05081996  
 Comments: ating reports.  
 Comments Date: 06011999  
 Comments: RA - SITE 36: The remedial action for Site 36 was completed on  
 Comments Date: 06011999  
 Comments: March 15, 1999. It included the installation of a groundwater  
 Comments Date: 06011999  
 Comments: extraction and treatment system in combination with a system for  
 Comments Date: 06011999  
 Comments: soil vapor extraction (SVE). A remedial design of this system  
 Comments Date: 06011999

MARCH AIR RESERVE BASE (Continued)

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Comments: was approved by DTSC on April 7, 1998. The Site 36 system  
 Comments Date: 06011999 includes conveyance piping, process vessels, and electrical and  
 Comments: 06011999 mechanical appurtenances. The remedial activities conducted at  
 Comments Date: 06011999  
 Comments: Site 36 included: 1) Installing a submersible pump into each of  
 ID Name: Not reported  
 ID Value: Not reported  
 Alternate Name: ALESSANDRO ARMY AIR FIELD\March Air Reserve Base  
 Special Programs Code: DSMOA  
 Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT

CORTESE:

Region: CORTESE  
 Envirostor Id: 33970004  
 Site/Facility Type: FEDERAL SUPERFUND - LISTED  
 Cleanup Status: ACTIVE  
 Status Date: 07/13/1998  
 Site Code: 400689  
 Latitude: 34.090000  
 Longitude: -117.26305  
 Owner: Not reported  
 Erf Type: Not reported  
 Swat R: Not reported  
 Flag: envirostor  
 Order No: Not reported  
 Waste Discharge System No: Not reported  
 Effective Date: Not reported  
 Region 2: Not reported  
 WID Id: Not reported  
 Solid Waste Id No: Not reported  
 Waste Management Unit Name: Not reported

ENVIROSTOR:

Facility ID: 33970004  
 Status: Active  
 Status Date: 07/13/1998  
 Site Code: 400689  
 Site Type: Federal Superfund  
 Site Type Detailed: Open Base  
 Acres: 2590  
 NPL: YES  
 Regulatory Agencies: SMBRP, RWQCB 8 - Santa Ana, US EPA  
 Lead Agency: US EPA  
 Program Manager: Stephen Niou  
 Supervisor: Robert Sanga  
 Division Branch: Cleanup Cypress  
 Assembly: 40  
 Senate: 23  
 Special Program: Not reported  
 Restricted Use: NO  
 Site Mgmt Req: NONE SPECIFIED  
 Funding: DERA  
 Latitude: 34.09  
 Longitude: -117.2630

MARCH AIR RESERVE BASE (Continued)

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APN: NONE SPECIFIED  
 Past Use: AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, DEGREASING FACILITY, DRY CLEANING, ENGINE TESTING/REPAIR, FIRE TRAINING AREAS, FUEL - AIRCRAFT STORAGE/ REFUELING, FUEL - VEHICLE STORAGE/ REFUELING, LANDFILL - DOMESTIC, MACHINE SHOP, OFFICE BUILDING, OIL/WATER SEPARATORS,

Potential COC: PAINT/DEPAINT FACILITY  
 Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE TPH-diesel 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Chloroform Carbon tetrachloride Chloroform

Confirmed COC: 30013-NO 30018-NO Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE TPH-diesel 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Chloroform Carbon tetrachloride TPH-JET FUEL OTH, SOIL

Potential Description:  
 Alias Name: ALESSANDRO ARMY AIR FIELD  
 Alias Type: Alternate Name  
 Alias Name: I  
 Alias Type: Alternate Name  
 Alias Name: 110033608665  
 Alias Type: EPA (FRS #)  
 Alias Name: T1000005654  
 Alias Type: GeoTracker Global ID  
 Alias Name: T1000005916  
 Alias Type: GeoTracker Global ID  
 Alias Name: 16985  
 Alias Type: RB-PCA  
 Alias Name: 400689  
 Alias Type: Project Code (Site Code)  
 Alias Name: 33970004  
 Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Sites With No Operable Unit  
 Completed Sub Area Name: Site 49  
 Completed Document Type: Monitoring Report  
 Completed Date: 08/21/2014  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Land Use Restriction Monitoring Report  
 Completed Date: 03/12/2014  
 Comments: Not reported

Completed Area Name: OU 1  
 Completed Sub Area Name: SIT31  
 Completed Document Type: Operations and Maintenance Plan  
 Completed Date: 05/08/1996  
 Comments: Not reported

Completed Area Name: OU 1  
 Completed Sub Area Name: SIT31  
 Completed Document Type: Remedial or Removal Design  
 Completed Date: 05/08/1996  
 Comments: DES - SITE 31: This is part of OU #1. The practice of dis-charging solvents on the ground reportedly occurred from about the mid-1950s to the mid-1970s. In addition, floor drains from maintenance shops may have leaked solvents to the subsurface. The primary contaminants

MARCH AIR RESERVE BASE (Continued)

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of concern at Site 31 are Trichloro-ethylene (PCE), and traces of other chlorinated solvents. The contaminants are contained within the soils and the groundwater and will require remediation to prevent further contamination of the OU#1 groundwater. Extensive studies to identify source locations, determine site characteristics and evaluate cost effective remedial alternatives have been performed. A dual phase extraction technology coupled with granular activated carbon treatment of extracted groundwater and soil vapor has been selected based on a pilot scale system shown to be a cost-effective method for remediation of this Site. The treatment system shall discharge treated water that will have a daily average concentration of 0.5 ppb TCE or less, and never will exceed a concentration of 5 ppb TCE. Treated groundwater will be reinjected into the aquifer combined with discharge of excess water to the Heacock Storm drain and/or the base sanitary sewer system, as required. Installation of process equipment, surface piping and electrical facilities is planned for the end of April, and startup of the system July 1996. This remedial action complies with the statutory preference for remedies as specified in the Record of Decision (ROD) for OU#1. O&M SITE 31: The Site 31 dual phase extraction and treatment system is designed to sustain continuous operation without direct operator control. Periodic surveillance and maintenance will be required to ensure reliable operation and compliance with regulatory requirement. Process performing monitoring of the vapor and water treatment systems will be conducted. This includes on-site sampling and tests of the influent streams, intermittent treatment points and the effluent streams to verify satisfactory operation, and timely change-out of the GAC treatment units to maintain regulatory discharge limits and cost effectiveness. Preventive equipment maintenance tasks, in accordance with the manufacturers recommendations, will be performed along with routine maintenance and record keeping activities. It is expected that the carbon change-out frequency will gradually decrease as the soil and groundwater contaminant levels decline with ongoing treatment. Initially the change-outs may occur once every 1-2 months and subsequently may decrease to once or twice a year for the groundwater treatment system. Normally, one field technician will be required to perform the routine O&M tasks, including wells inspections and maintenance, pump overhauls, process instrument calibrations, equipment repairs and replacements. Status reports along with analytical results and discharge records will be prepared and submitted as required for satisfactory operating control and regulatory compliance requirements. Qualified supervisory personnel will oversee execution of the O&M tasks to minimize costs, and ensure timely and accurate operating reports.

Completed Area Name: OU2  
 Completed Sub Area Name: SIT11  
 Completed Document Type: Removal Action Completion Report  
 Completed Date: 05/01/1996  
 Comments: RA - SITE 11: Site 11 is part of OU#2. It includes an area designated as the Liquid Fuels Management, Bulk Storage Facility. The leaking fuel line section was between the tank car unloading dock (Fuel Pump Station Building 2202 and Building 2340). These fuel lines transport fuels from the fuel storage tanks to the flight line to enable refueling of aircraft. Leakage of the fuel line was discovered when March AFB personnel noticed a loss in line pressure during an

MARCH AIR RESERVE BASE (Continued)

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integrity test of a section of the line between the fuel pump station and the flight line. Visual indications of a fuel leak were also observed in and around the concrete vault located adjacent to the fuel pump station. The objective of the Immediate Response Action was to remove and replace the leaking section of the sub-surface JP-8 fuel line. This was accomplished within a very tight schedule (approx. seven days) to prevent the use of outside trucks for delivery of fuels to the aircrafts. The removal action consisted of trenching to expose the sub-surface fuel lines and associated vault area including the demolishing and removal of overlying asphalt and concrete, the removal of a 230 foot of JP-8 fuel line and a 210 foot section of an inactive JP-8 line was also removed, the placement of a new 8 inch steel JP-8 fuel line and a 12 inch steel road crossing sleeve and reconstruction of demolished concrete vault. Approximately, 380 cubic yards of contaminated soil was removed and stockpiled at Site 15 for remediation. Upon getting the new pipe section on-line the general site area was landscaped and restored to the original condition to the extent possible. This included the backfilling maximum dry density of the soil, and the replacement of the overlying asphalt.

Completed Area Name: OU2  
 Completed Sub Area Name: STE 1  
 Completed Document Type: Feasibility Study Report  
 Completed Date: 03/25/1996  
 Comments: Not reported

Completed Area Name: OU 1  
 Completed Sub Area Name: STE 9  
 Completed Document Type: Feasibility Study Report  
 Completed Date: 03/25/1996  
 Comments: RIFS - SITE 9: The removal of the OWS will eliminate a potential source area for groundwater contamination in the future. This Site Specific Action Memorandum was prepared to evaluate and identify the most effective remedial alternative to remove the OWS and dispose of the expected 100 cubic yards of oil contaminated soil. On-base consolidation with Site 6 lined waste cell provides the maximum level of regulatory compliance within the lowest cost level and is compatible with land use. Site 9 is recommended for military reuse under the Joint Power Authority preferred alternative. Site 9 vicinity may potentially have Beechey's Squirrel and Burrowing Owl, but excavation activities will be focused on the OWS. No potential wetlands are located in Site 9 vicinity. RIFS - SITE 1: Soil sampling at Site 1 detected polycyclic aromatic hydrocarbons (PAHs) as contaminant of concerns. Ground-water samples detected metals; however, only manganese was detected above US Environmental Protection Agency Preliminary remediation Goals (PRGs). Soil from Site 1 was excavated during construction of the Air National Guard Alert Facility. Approximately, 3,100 cubic yards of PAH contaminated soil has been stockpiled on-site under plastic sheeting pending disposal. The risk assessment for Site 1 determined that no human health risk was present at the site because the exposure pathway was limited. Now that the soil has been disturbed, the soil stockpiled at Site 1 needs to be removed to preclude further exposure. This Site Specific Action Memorandum was prepared to evaluate and identify the most effective disposal alternative. The site is planned for Air National Guard use and will remain in military use. Site 1 is not a

MARCH AIR RESERVE BASE (Continued)

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habitat for any endangered species and no perennial wetlands are located in its vicinity.

Completed Area Name: OU 1  
 Completed Sub Area Name: STE10  
 Completed Document Type: \* Remedial or Removal Design  
 Completed Date: 02/02/1996  
 Comments: Not reported

Completed Area Name: OU 1  
 Completed Sub Area Name: STE15  
 Completed Document Type: \* Remedial or Removal Design  
 Completed Date: 02/02/1996  
 Comments: DES - SITE 10: This is part of OU#1. The drainage channel, which was installed prior to 1940, has reportedly received various oils, hydraulic fluids, diesel fuel, jet fuel, waste paints, paint strippers, paint thinners, battery acids and solvents. The drainage channel is concretelined (since the 1960s) up to the eastern boundary of the base where it discharges to the Perris Valley storm drain. The objectives of this remediation of contaminated sediment from Site 10, pursuant to the cleanup criteria set forth in the final OU#1 Record of Decision (ROD). Approximately 15 cubic yards of sediment material will be removed from the concrete-lined channel and transported off-site to Candelaria Environmental for bioremediation.  
 \* DES - SITE 15: This is also part of OU#1. The Fire Training Area (FTA), Site 15, was developed in 1978 and was reportedly constructed by placing an underdrain system and gravel over a clay liner. Firefighting water, solutions of Aqueous Film Forming Foam (AFFF) and residual fuel used during training exercises were drained to a formerly unlined water holding pond located adjacent to the FTA. Approximately 6000 gallons per year of contaminated JP-4 have been burned in training exercises since the facility was constructed in 1978. The primary contaminants of concern are Benzene, Naphthalene, 2-Methylnaphthalene and Phenanthrene. The remedial actions for Site 15 will require the handling of two streams; the evaporation pond water and soils contaminated with PAHs. Approximately 4,500 gallons of water from the evaporation pond, will be transferred to a base sewer inlet located one-half mile from Site 15 using a 5,000-gallon vacuum truck supplied by Environmental Dynamic. Approximately 8,950 tons of contaminated soil will be transported off-site to Candelaria Environmental for bioremediation. The objectives of this remedial action were set forth in the final OU# 1 Record of Decision (ROD).

Completed Area Name: OU-3  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Action Plan  
 Completed Date: 09/14/1995  
 Comments: RAP-OU#3: This ROD/RAP presents the remedial alternative selected to remediate soil and groundwater that is contaminated with petroleum hydrocarbons and solvent beneath Operable Unit #3 (OU#3). OU#3, which encompasses the former Panero Fueling facility, is located on the aircraft apron, between the flightline shops and the taxiway. The major components of the selected alternative include: 1. Institutional control, including fencing, site use restriction, and deed restriction of groundwater use. 2. Quarterly groundwater monitoring. 3. Continued free product recovery. 4. Soil remediation using soil vapor extraction and bioventing. 5. Groundwater source

MARCH AIR RESERVE BASE (Continued)

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remediation using surfactant and in-situ bioremediation. 6. Groundwater dissolved plume treatment using groundwater pump and treat (Air Strippers) system. The remedy is estimated to achieve cleanup goals within 30 years. Approximate cost: \$22,251,655.00

Completed Area Name: OU 1  
 Completed Sub Area Name: STE34  
 Completed Document Type: Removal Action Completion Report  
 Completed Date: 07/11/1996  
 Comments: Not reported

Completed Area Name: OU 1  
 Completed Sub Area Name: STE34  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 07/11/1996  
 Comments: O&M - SITE 34: An area near the oil/water separator, which was improperly installed and is adjacent to Site 34, has been identified as a potential source of the mainly hydrocarbon contamination further to the northwest. In March 1994 the AF installed and began the operation of a bioventing treatability study project at Site 34 to determine the effectiveness of bioventing at this site. This study was completed in July 1996 and successfully demonstrated the effectiveness of bioventing for this site. The Operation and Maintenance (O&M) phase will consist of monthly checks of the bioventing system, completion of operation/maintenance/repair manuals and respiration tests every 6 months of operation. In addition, oxygen, carbon dioxide and hydrocarbon concentrations from the vapor monitoring wells will be monitored on a monthly basis. The O&M of the bioventing system will be performed for a duration of one year after installation and start-up. Data collected from the monthly monitoring is evaluated and used as the basis for adjusting the air flow into the subsurface. Preventive equipment maintenance tasks, in accordance with the manufacturers recommendations, will be performed along with routine maintenance and record keeping activities. Status reports will be prepared and submitted as required for satisfactory operating control and regulatory compliance requirements. Qualified supervisory personnel will oversee execution of the O&M tasks to minimize costs, and ensure timely and accurate operating reports.  
 \* DES - SITE 34: The design of the bioventing system was included in the treatability study document. A Remedial Action Workplan was submitted in July 1996 that considered bioventing the final remedial alternative at Site 34. This is consistent with the Operable Unit #1 (OU#1) signed Record of Decision (ROD). The primary advantage in using bioventing is the low cost to install, operate, maintain and monitor the system as compared to other remediation technology. The treatability study has demonstrated that the bioventing at Site 34 of the hydrocarbon contamination is cost effective, has minimal environmental impact and will achieve the cleanup standards set in the OU#1 ROD. Bioventing is the process of delivering oxygen by forced air into the soil to stimulate or enhance the natural biodegradation process of petroleum hydrocarbon contaminants within the soil. The existing bioventing system at Site 34 was designed with excess air injection capacity, therefore, it may be possible to tap into this system for use at the adjacent sites. \* RA - SITE 34: Soil contaminants detected during the RI/FS conducted at Site 34 include VOCs, SVOCs, Pesticides/PCBs, Oil and Grease, JP-4 and Diesel Fuel. The Air Force (AF) will characterize the newly discovered

MARCH AIR RESERVE BASE (Continued)

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contamination at Site 34 using a soil gas survey which will provide potential locations for soil borings based on contaminant concentrations. The AF installed and successfully demonstrated the effectiveness of a bioventing system at this Site. The objectives of this remedial action is to determine the extent of the new hydrocarbon contamination at the oil/water separator, to evaluate and select the best approach to biovent the site, and to monitor that the bio remedial approach is achieving groundwater protection standards as established in the OU#1 Record of Decision (ROD).

Completed Area Name: OU-3  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Action Plan  
 Completed Date: 11/13/1996  
 Comments: RAP-OU#3(SITE 33): This Decision Document (DD), which is equivalent to a Remedial Action Plan (RAP), presents the selected Removal Action upgrade for March Air Reserve Base (MARB) Operable Unit #3 pump and Treat System. This removal action upgrade is selected to increase jet fuel (JP-4) free product recovery rates at OU#3. The State of California, both DTSC and the Santa Ana Regional Water Quality Control Board (RWQCB), signed a Record of Decision (ROD) for OU#3 in September 1995. However, the US Environmental Protection Agency (USEPA) and the Air Force Reserves (AFRS) declined to sign the ROD at the last minute; the USEPA invoking the petroleum exclusion section of CERCLA and the AFRS stating that the preferred alternative in the ROD is too expensive. Therefore, after considerable efforts, all parties agreed to expand and upgrade the existing free product recovery system as an interim remedy for the JP-4 free product beneath OU#3. This action addresses only JP-4 free product and does not address all contamination remaining at the site. The DD went through the RAP requirement of public review and comment.

Completed Area Name: PCAS  
 Completed Sub Area Name: STE18  
 Completed Document Type: Removal Action Completion Report  
 Completed Date: 04/07/1999  
 Comments: Not reported

Completed Area Name: OU2  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Action Plan  
 Completed Date: 09/29/2005  
 Comments: DTSC has concurred with the OU2A ROD of March Air Reserve Base. The OU2A ROD addresses Sites 1, 11, 37, and 39. The key provisions of this ROD include institutional controls for Sites 1 and 11 where residual PAHs exist in the soil that are incompatible with unrestricted land use. The Air Force agreed to incorporate institutional control provisions into the base master plan. In case of base closure, the AF will require the purchasers to enter into State Land Use Covenants with DTSC as a condition of land transfer. Sites 37 and 39 require no further actions.

Completed Area Name: OU 1  
 Completed Sub Area Name: STE34  
 Completed Document Type: \* Remedial or Removal Design  
 Completed Date: 07/11/1996  
 Comments: Not reported

MARCH AIR RESERVE BASE (Continued)

S104241831

Completed Area Name: PCAS  
 Completed Sub Area Name: STE33  
 Completed Document Type: \* Remedial or Removal Design  
 Completed Date: 07/08/1996  
 Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
 Completed Sub Area Name: PANER  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 06/17/1996  
 Comments: O&M Site 33(PANERO): The Site 33 Pump and Treat System (PTS) consists of flow equalization tanks, an oil-water separator, air stripping, thermal oxidation of air stripper off-gas, and granular activated carbon polishing of the air stripper effluent. An internal combustion engine is used to treat vapors recovered by vapor extraction of the pumping wells. The PTS is designed to sustain continuous operation without direct operator control. Periodic surveillance and maintenance will be required to ensure reliable operation and compliance with regulatory requirements. Process performing monitoring of the vapor and water treatment systems will be conducted. This includes on-site sampling and tests of the influent streams, intermittent treatment points and the effluent streams to verify satisfactory operation, and timely change-out of the GAC treatment units to maintain regulatory discharge limits and cost effectiveness. Preventive equipment maintenance tasks, in accordance with the manufacturers recommend -ations, will be performed along with routine maintenance and record keeping activities. Normally, one field technician will be required to perform the routine O&M tasks, including well inspections and maintenance, pump overhauls, process instrument calibrations, equipment repairs and adjustments. The manufacturer shall have local service representatives capable of responding to equipment failures or problems within 3 hours of initial contact.

Completed Area Name: OU2  
 Completed Sub Area Name: STE39  
 Completed Document Type: Removal Action Completion Report  
 Completed Date: 03/12/1999  
 Comments: Not reported

Completed Area Name: OU2  
 Completed Sub Area Name: STE39  
 Completed Document Type: \* Remedial or Removal Design  
 Completed Date: 02/23/1999  
 Comments: Not reported

Completed Area Name: OU2  
 Completed Sub Area Name: STE36  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 02/07/2000  
 Comments: Site 36 - O&M: A dual phase extraction system, which combines soil vapor extraction with groundwater extraction, is in operation at site 36. This document contains the Operation and Maintenance (O&M) procedures relating to operation and maintenance activities to be conducted at Site 36.

Completed Area Name: OU2

MARCH AIR RESERVE BASE (Continued)

S104241831

Completed Sub Area Name: STE36  
 Completed Document Type: Removal Action Completion Report  
 Completed Date: 05/26/1999  
 Comments: Not reported

Completed Area Name: PCAS  
 Completed Sub Area Name: STE18  
 Completed Document Type: Remedial or Removal Design  
 Completed Date: 07/21/1998  
 Comments: Not reported

Completed Area Name: OU2  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation Workplan  
 Completed Date: 08/26/2005  
 Comments: Although there are unresolved issues, DTSC agrees the finalization of the work plan and leaves comments on fate and transport of VOCs and on off-base migration of VOC plumes to be discussed/disputed when the RI report becomes available.

Completed Area Name: OU 1  
 Completed Sub Area Name: EGETS  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 10/04/2006  
 Comments: The 1st Quarter 2006 OU1 Process Monitoring report is finalized

Completed Area Name: OU 1  
 Completed Sub Area Name: EGETS  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 12/27/2007  
 Comments: As a secondary document, no comment letter is required.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Fact Sheets  
 Completed Date: 08/01/2003  
 Comments: Not reported

Completed Area Name: OU 1  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Record of Decision w/ESD  
 Completed Date: 01/29/2014  
 Comments: The remedy for site soil has been changed to excavation and disposal

Completed Area Name: OU 1  
 Completed Sub Area Name: FT29  
 Completed Document Type: Remedial Investigation Report  
 Completed Date: 08/20/2013  
 Comments: Not reported

Completed Area Name: OU 1  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Plan  
 Completed Date: 08/19/2013  
 Comments: Not reported

Completed Area Name: PROJECT WIDE

MARCH AIR RESERVE BASE (Continued)

S104241831

Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Action Plan  
 Completed Date: 08/19/2013  
 Comments: Not reported

Completed Area Name: BASEWIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Quality Assurance Workplan  
 Completed Date: 08/08/2013  
 Comments: Accepted on Aug 8, 2013

Completed Area Name: BASEWIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 07/16/2013  
 Comments: Not reported

Completed Area Name: BASEWIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Long Term Monitoring Report  
 Completed Date: 12/18/2013  
 Comments: Not reported

Completed Area Name: PCAS  
 Completed Sub Area Name: SITE2  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 02/05/2007  
 Comments: routine monitoring report

Completed Area Name: PCAS  
 Completed Sub Area Name: STE18  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 02/05/2007  
 Comments: routine monitoring report

Completed Area Name: PCAS  
 Completed Sub Area Name: STE27  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 02/05/2007  
 Comments: routine monitoring report

Completed Area Name: PCAS  
 Completed Sub Area Name: STE33  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 02/05/2007  
 Comments: Routine monitoring report reviewed by RWQOCB

Completed Area Name: OU 1  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Application  
 Completed Date: 10/30/2007  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: 5 Year Review Reports  
 Completed Date: 09/02/2009

MARCH AIR RESERVE BASE (Continued)

S104241831

Comments: 5 year review report accepted

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 06/08/2010  
 Comments: The report may be finalized

Completed Area Name: OU 1  
 Completed Sub Area Name: EGETS  
 Completed Document Type: Operations and Maintenance Plan Amendment  
 Completed Date: 01/06/2011  
 Comments: DTSC sent a no-comment letter.

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Long Term Monitoring Report  
 Completed Date: 04/19/2011  
 Comments: Secondary document, no approval required.

Completed Area Name: OU2  
 Completed Sub Area Name: SITE8  
 Completed Document Type: Pilot/Treatability Study Report  
 Completed Date: 03/29/2012  
 Comments: Data to be used in Sites 8 & 36 FFS

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 05/08/2014  
 Comments: secondary document for groundwater monitoring data

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Fact Sheets  
 Completed Date: 08/01/2004  
 Comments: Not reported

Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Site Inspections/Visit (Non LUR)  
 Completed Date: 07/12/2006  
 Comments: Not reported

Future Area Name: OU 1  
 Future Sub Area Name: Not reported  
 Future Document Type: Record of Decision  
 Future Due Date: 2017

Future Area Name: OU2  
 Future Sub Area Name: STE 1  
 Future Document Type: Remedial Investigation Report  
 Future Due Date: 2016

Future Area Name: OU 1  
 Future Sub Area Name: FT29  
 Future Document Type: Proposed Plan  
 Future Due Date: 2015

Future Area Name: OU 1

MARCH AIR RESERVE BASE (Continued)

S104241831

Future Sub Area Name: FT29  
 Future Document Type: Record of Decision - Amendment  
 Future Due Date: 2016

Future Area Name: Sites With No Operable Unit  
 Future Sub Area Name: Site 49  
 Future Document Type: Operations and Maintenance Report  
 Future Due Date: 2015

Future Area Name: OU2  
 Future Sub Area Name: STE36  
 Future Document Type: Design/Implementation Workplan  
 Future Due Date: 2015

Future Area Name: OU2  
 Future Sub Area Name: STE36  
 Future Document Type: Remedial Action Completion Report  
 Future Due Date: 2016

Future Area Name: Sites With No Operable Unit  
 Future Sub Area Name: Site 49  
 Future Document Type: Operations and Maintenance Report  
 Future Due Date: 2016

Future Area Name: Sites With No Operable Unit  
 Future Sub Area Name: Site 49  
 Future Document Type: Operations and Maintenance Report  
 Future Due Date: 2016

Future Area Name: OU2  
 Future Sub Area Name: SITE8  
 Future Document Type: Proposed Plan  
 Future Due Date: 2016

Future Area Name: OU2  
 Future Sub Area Name: SITE8  
 Future Document Type: Record of Decision  
 Future Due Date: 2016

Future Area Name: OU 1  
 Future Sub Area Name: STE34  
 Future Document Type: Removal Action Completion Report  
 Future Due Date: 2016

Future Area Name: OU2  
 Future Sub Area Name: STE 1  
 Future Document Type: Proposed Plan  
 Future Due Date: 2017

Future Area Name: OU2  
 Future Sub Area Name: STE 1  
 Future Document Type: Record of Decision - Amendment  
 Future Due Date: 2017

Future Area Name: OU 1  
 Future Sub Area Name: Site 5  
 Future Document Type: Operations and Maintenance Report  
 Future Due Date: 2016

Future Area Name: OU 1  
 Future Sub Area Name: Site 5  
 Future Document Type: Operations and Maintenance Report  
 Future Due Date: 2016

Future Area Name: Sites With No Operable Unit  
 Future Sub Area Name: Site 49  
 Future Document Type: Record of Decision  
 Future Due Date: 2015

Future Area Name: OU2  
 Future Sub Area Name: STE36

MAP FINDINGS

**MARCH AIR RESERVE BASE (Continued)** S104241831

Future Document Type: Operations and Maintenance Report  
 Future Due Date: 2016  
 Future Area Name: OU2  
 Future Sub Area Name: STE36  
 Future Document Type: Operations and Maintenance Report  
 Future Due Date: 2016  
 Future Area Name: Sites With No Operable Unit  
 Future Sub Area Name: Site 49  
 Future Document Type: Design/Implementation Workplan  
 Future Due Date: 2016  
 Future Area Name: OU2  
 Future Sub Area Name: SITE8  
 Future Document Type: Remedial Investigation Report  
 Future Due Date: 2016  
 Schedule Area Name: OU2  
 Schedule Sub Area Name: SITE8  
 Schedule Document Type: Remedial Investigation Report  
 Schedule Due Date: 03/27/2012  
 Schedule Revised Date: 02/14/2015  
 Schedule Area Name: Sites With No Operable Unit  
 Schedule Sub Area Name: Site 49  
 Schedule Document Type: Remedial Investigation / Feasibility Study  
 Schedule Due Date: 04/21/2015  
 Schedule Revised Date: Not reported

**B12 SSW 1/2-1 0.749 mi. 3957 ft.** **MARCH AIR FORCE BASE** CA BOND EXP. PLAN S105960470  
**1483 ft.** **MORENO VALLEY, CA 92518** N/A

**Relative:** CA BOND EXP. PLAN:  
 Responsible Party: FEDERAL FACILITY SITE CLEANUP WORKPLAN  
 Project Revenue Source Company: Not reported  
 Project Revenue Source Addr: Not reported  
 Project Revenue Source City,St,Zip: Not reported  
 Project Revenue Source Desc: The Department will either enter into an interagency agreement with the Department of Defense of issue an order for oversight/monitoring of the Air Force's cleanup efforts. DHS has budgeted \$100,000 for its oversight/monitoring costs. DHS will recover 100 percent of direct costs plus staff costs and overhead related to the project. The Department of Defense will pay all costs associated with remedial investigation and cleanup activities.

**Site Description:** The site is a U.S. Air Force Base.  
 Hazardous Waste Desc: The initial assessment at this site identified hazardous waste disposal on base in landfills, burning pits, dry wells, and ground disposal. Several types of wastes associated with aircraft and general maintenance were identified, including fuels, oils, polychlorinated biphenyls (PCBs), pesticides, low-level radiation, and the solvents trichloroethylene (TCE) and perchloroethylene (PCE).

**Threat To Public Health & Env:** Past disposal practices at March Air Force Base pose a threat to surface and ground water. Work to date has identified ground water contamination on and off base, and recently, in private wells east of the base perimeter. There is no known exposure at this time.

**Site Activity Status:** The installation restoration program has been initiated at this base. Currently the program is in the confirmation/quantification step of the mitigation process. DHS's oversight has increased due to contamination of drinking water supplies.

MAP FINDINGS

**B13 SSW 1/2-1 0.749 mi. 3957 ft.** **PANERO AIRCRAFT FUELING SYST.** CA Notify 65 S100179101  
**1483 ft.** **MARCH AFB** N/A  
**1483 ft.** **MORENO VALLEY, CA 90062**

**Relative:** NOTIFY 65:  
 Date Reported: Not reported  
 Staff Initials: Not reported  
 Board File Number: Not reported  
 Facility Type: Not reported  
 Discharge Date: Not reported  
 Incident Description: 90062

**Relative:** CA BOND EXP. PLAN:  
 Responsible Party: FEDERAL FACILITY SITE CLEANUP WORKPLAN  
 Project Revenue Source Company: Not reported  
 Project Revenue Source Addr: Not reported  
 Project Revenue Source City,St,Zip: Not reported  
 Project Revenue Source Desc: The Department will either enter into an interagency agreement with the Department of Defense of issue an order for oversight/monitoring of the Air Force's cleanup efforts. DHS has budgeted \$100,000 for its oversight/monitoring costs. DHS will recover 100 percent of direct costs plus staff costs and overhead related to the project. The Department of Defense will pay all costs associated with remedial investigation and cleanup activities.

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**Threat To Public Health & Env:** Past disposal practices at March Air Force Base pose a threat to surface and ground water. Work to date has identified ground water contamination on and off base, and recently, in private wells east of the base perimeter. There is no known exposure at this time.

**Site Activity Status:** The installation restoration program has been initiated at this base. Currently the program is in the confirmation/quantification step of the mitigation process. DHS's oversight has increased due to contamination of drinking water supplies.

ORPHAN SUMMARY

Count: 0 records.

City: \_\_\_\_\_

Site Name: \_\_\_\_\_

NO SITES FOUND

Site Address: \_\_\_\_\_

Database(s): \_\_\_\_\_

Zip: \_\_\_\_\_

EDR ID: \_\_\_\_\_

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

**NPL:** National Priority List  
 National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIIC) and regional EPA offices.

Date of Government Version: 12/16/2014  
 Date Data Arrived at EDR: 01/08/2015  
 Date Made Active in Reports: 02/09/2015  
 Number of Days to Update: 32

Source: EPA  
 Telephone: N/A  
 Last EDR Contact: 01/08/2015  
 Next Scheduled EDR Contact: 04/20/2015  
 Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:  
 EPA's Environmental Photographic Interpretation Center (EPIIC)  
 Telephone: 202-564-7333

EPA Region 1 Telephone: 617-918-1143	EPA Region 6 Telephone: 214-655-6659
EPA Region 3 Telephone: 215-814-5418	EPA Region 7 Telephone: 913-551-7247
EPA Region 4 Telephone: 404-562-8033	EPA Region 8 Telephone: 303-312-6774
EPA Region 5 Telephone: 312-886-6686	EPA Region 9 Telephone: 415-947-4246
EPA Region 10 Telephone: 206-553-8665	

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/16/2014  
 Date Data Arrived at EDR: 01/08/2015  
 Date Made Active in Reports: 02/09/2015  
 Number of Days to Update: 32

Source: EPA  
 Telephone: N/A  
 Last EDR Contact: 01/08/2015  
 Next Scheduled EDR Contact: 04/20/2015  
 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991  
 Date Data Arrived at EDR: 02/02/1994  
 Date Made Active in Reports: 03/30/1994  
 Number of Days to Update: 56

Source: EPA  
 Telephone: 202-564-4267  
 Last EDR Contact: 08/15/2011  
 Next Scheduled EDR Contact: 11/28/2011  
 Data Release Frequency: No Update Planned

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**Federal Delisted NPL site list**

DELISTED NPL: National Priority List Deletions  
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/16/2014  
Date Data Arrived at EDR: 01/08/2015  
Date Made Active in Reports: 02/09/2015  
Number of Days to Update: 32

Source: EPA  
Telephone: N/A  
Last EDR Contact: 01/08/2015  
Next Scheduled EDR Contact: 04/20/2015  
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: 10/25/2013  
Date Data Arrived at EDR: 11/11/2013  
Date Made Active in Reports: 02/13/2014  
Number of Days to Update: 94

Source: EPA  
Telephone: 703-412-9810  
Last EDR Contact: 02/27/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Quarterly

**FEDERAL FACILITY: Federal Facility Site Information listing**

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014  
Date Data Arrived at EDR: 10/07/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 01/09/2015  
Next Scheduled EDR Contact: 04/20/2015  
Data Release Frequency: Varies

**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: 10/25/2013  
Date Data Arrived at EDR: 11/11/2013  
Date Made Active in Reports: 02/13/2014  
Number of Days to Update: 94

Source: EPA  
Telephone: 703-412-9810  
Last EDR Contact: 02/27/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Quarterly

**Federal RCRA CORRACTS facilities list**

**CORRACTS: Corrective Action Report**

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 12/29/2014  
Next Scheduled EDR Contact: 04/13/2015  
Data Release Frequency: Quarterly

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

**RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 12/29/2014  
Next Scheduled EDR Contact: 04/13/2015  
Data Release Frequency: Quarterly

**Federal RCRA generators list**

**RCRA-LQG: RCRA - Large Quantity Generators**

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

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 12/29/2014  
Next Scheduled EDR Contact: 04/13/2015  
Data Release Frequency: Quarterly

**RCRA-SQG: RCRA - Small Quantity Generators**

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

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 12/29/2014  
Next Scheduled EDR Contact: 04/13/2015  
Data Release Frequency: Quarterly

**RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators**

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

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: (415) 495-8895  
Last EDR Contact: 12/29/2014  
Next Scheduled EDR Contact: 04/13/2015  
Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**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: 09/18/2014  
Date Data Arrived at EDR: 09/19/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 703-603-0695  
Last EDR Contact: 02/26/2015  
Next Scheduled EDR Contact: 06/15/2015  
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: 09/18/2014  
Date Data Arrived at EDR: 09/19/2014  
Date Made Active in Reports: 10/20/2014  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 703-603-0695  
Last EDR Contact: 02/26/2015  
Next Scheduled EDR Contact: 06/15/2015  
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: 12/03/2014  
Date Data Arrived at EDR: 12/12/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 48

Source: Department of the Navy  
Telephone: 843-820-7326  
Last EDR Contact: 02/16/2015  
Next Scheduled EDR Contact: 06/01/2015  
Data Release Frequency: Varies

**Federal ERNS list**

**ERNS: Emergency Response Notification System**

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

Date of Government Version: 09/29/2014  
Date Data Arrived at EDR: 09/30/2014  
Date Made Active in Reports: 11/06/2014  
Number of Days to Update: 37

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 12/29/2014  
Next Scheduled EDR Contact: 04/13/2015  
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: 02/02/2015  
Date Data Arrived at EDR: 02/03/2015  
Date Made Active in Reports: 02/27/2015  
Number of Days to Update: 24

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 03/12/2015  
Next Scheduled EDR Contact: 05/18/2015  
Data Release Frequency: Quarterly

**State- and tribal - equivalent CERCLIS**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**ENVIROSTOR: EnviroStor Database**

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

Date of Government Version: 02/02/2015  
Date Data Arrived at EDR: 02/03/2015  
Date Made Active in Reports: 02/27/2015  
Number of Days to Update: 24

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 03/12/2015  
Next Scheduled EDR Contact: 05/18/2015  
Data Release Frequency: Quarterly

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

**SWF/LF (SWIS): Solid Waste Information System**

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/16/2015  
Date Data Arrived at EDR: 02/17/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery  
Telephone: 916-341-6320  
Last EDR Contact: 02/17/2015  
Next Scheduled EDR Contact: 06/01/2015  
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: 09/29/2011  
Next Scheduled EDR Contact: 01/09/2012  
Data Release Frequency: No Update Planned

**LUST REG 8: Leaking Underground Storage Tanks**

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005  
Date Data Arrived at EDR: 02/15/2005  
Date Made Active in Reports: 03/28/2005  
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Varies

**LUST REG 7: Leaking Underground Storage Tank Case Listing**

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004  
Date Data Arrived at EDR: 02/26/2004  
Date Made Active in Reports: 03/24/2004  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)  
Telephone: 760-776-8943  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

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 Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Date Data Arrived at EDR: 06/07/2005 Telephone: 760-241-7365  
Date Made Active in Reports: 06/29/2005 Last EDR Contact: 09/12/2011  
Number of Days to Update: 22 Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing  
For more current information, please refer to the State Water Resources Control Board's LUST database.  
Date of Government Version: 09/09/2003 Source: California Regional Water Quality Control Board Lahontan Region (6)  
Date Data Arrived at EDR: 09/10/2003 Telephone: 530-542-5572  
Date Made Active in Reports: 10/07/2003 Last EDR Contact: 09/12/2011  
Number of Days to Update: 27 Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database  
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calaveras, 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 Source: California Regional Water Quality Control Board Central Valley Region (5)  
Date Data Arrived at EDR: 07/22/2008 Telephone: 916-464-4834  
Date Made Active in Reports: 07/31/2008 Last EDR Contact: 07/01/2011  
Number of Days to Update: 9 Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List  
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.  
Date of Government Version: 09/07/2004 Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Date Data Arrived at EDR: 09/07/2004 Telephone: 213-576-6710  
Date Made Active in Reports: 10/12/2004 Last EDR Contact: 09/06/2011  
Number of Days to Update: 35 Next Scheduled EDR Contact: 12/19/2011  
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database  
Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.  
Date of Government Version: 05/19/2003 Source: California Regional Water Quality Control Board Central Coast Region (3)  
Date Data Arrived at EDR: 05/19/2003 Telephone: 805-542-4786  
Date Made Active in Reports: 06/02/2003 Last EDR Contact: 07/18/2011  
Number of Days to Update: 14 Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List  
Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.  
Date of Government Version: 09/30/2004 Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Date Data Arrived at EDR: 10/20/2004 Telephone: 510-622-2433  
Date Made Active in Reports: 11/19/2004 Last EDR Contact: 09/19/2011  
Number of Days to Update: 30 Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation  
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 02/01/2001 Source: California Regional Water Quality Control Board North Coast (1)  
Date Data Arrived at EDR: 02/28/2001 Telephone: 707-570-3769  
Date Made Active in Reports: 03/29/2001 Last EDR Contact: 08/01/2011  
Number of Days to Update: 29 Next Scheduled EDR Contact: 11/14/2011  
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: 01/20/2015 Source: State Water Resources Control Board  
Date Data Arrived at EDR: 01/21/2015 Telephone: see region list  
Date Made Active in Reports: 02/05/2015 Last EDR Contact: 01/21/2015  
Number of Days to Update: 15 Next Scheduled EDR Contact: 03/30/2015  
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: 01/20/2015 Source: State Water Resources Control Board  
Date Data Arrived at EDR: 01/21/2015 Telephone: 866-480-1028  
Date Made Active in Reports: 02/05/2015 Last EDR Contact: 01/21/2015  
Number of Days to Update: 15 Next Scheduled EDR Contact: 03/30/2015  
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 Source: California Regional Water Quality Control Board, North Coast Region (1)  
Date Data Arrived at EDR: 04/07/2003 Telephone: 707-576-2220  
Date Made Active in Reports: 04/25/2003 Last EDR Contact: 08/01/2011  
Number of Days to Update: 18 Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.  
Date of Government Version: 09/30/2004 Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Date Data Arrived at EDR: 10/20/2004 Telephone: 510-286-0457  
Date Made Active in Reports: 11/19/2004 Last EDR Contact: 09/19/2011  
Number of Days to Update: 30 Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.  
Date of Government Version: 05/18/2006 Source: California Regional Water Quality Control Board Central Coast Region (3)  
Date Data Arrived at EDR: 05/18/2006 Telephone: 805-543-3147  
Date Made Active in Reports: 06/15/2006 Last EDR Contact: 07/18/2011  
Number of Days to Update: 28 Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 11/17/2004 Source: Region Water Quality Control Board Los Angeles Region (4)  
Date Data Arrived at EDR: 11/18/2004 Telephone: 213-576-6600  
Date Made Active in Reports: 01/04/2005 Last EDR Contact: 07/01/2011  
Number of Days to Update: 47 Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.  
Date of Government Version: 04/01/2005 Source: Regional Water Quality Control Board Central Valley Region (5)  
Date Data Arrived at EDR: 04/05/2005 Telephone: 916-464-3291  
Date Made Active in Reports: 04/21/2005 Last EDR Contact: 09/12/2011  
Number of Days to Update: 16 Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.  
Date of Government Version: 05/24/2005 Source: Regional Water Quality Control Board, Victorville Branch  
Date Data Arrived at EDR: 05/25/2005 Telephone: 619-241-6583  
Date Made Active in Reports: 06/16/2005 Last EDR Contact: 08/15/2011  
Number of Days to Update: 22 Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites  
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.  
Date of Government Version: 09/07/2004 Source: California Regional Water Quality Control Board, Lahontan Region  
Date Data Arrived at EDR: 09/07/2004 Telephone: 530-542-5574  
Date Made Active in Reports: 10/12/2004 Last EDR Contact: 08/15/2011  
Number of Days to Update: 35 Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List  
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.  
Date of Government Version: 11/24/2004 Source: California Regional Water Quality Control Board, Colorado River Basin Region  
Date Data Arrived at EDR: 11/29/2004 Telephone: 760-348-7491  
Date Made Active in Reports: 01/04/2005 Last EDR Contact: 08/01/2011  
Number of Days to Update: 36 Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.  
Date of Government Version: 04/03/2008 Source: California Region Water Quality Control Board Santa Ana Region (8)  
Date Data Arrived at EDR: 04/03/2008 Telephone: 951-782-3298  
Date Made Active in Reports: 04/14/2008 Last EDR Contact: 09/12/2011  
Number of Days to Update: 11 Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing  
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 09/10/2007 Source: California Regional Water Quality Control Board San Diego Region (9)  
Date Data Arrived at EDR: 09/11/2007 Telephone: 858-467-2980  
Date Made Active in Reports: 09/28/2007 Last EDR Contact: 08/08/2011  
Number of Days to Update: 17 Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land  
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.  
Date of Government Version: 01/30/2015 Source: EPA, Region 5  
Date Data Arrived at EDR: 02/05/2015 Telephone: 312-886-7439  
Date Made Active in Reports: 03/09/2015 Last EDR Contact: 01/26/2015  
Number of Days to Update: 32 Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land  
A listing of leaking underground storage tank locations on Indian Land.  
Date of Government Version: 02/01/2013 Source: EPA Region 1  
Date Data Arrived at EDR: 05/01/2013 Telephone: 617-916-1313  
Date Made Active in Reports: 11/01/2013 Last EDR Contact: 01/30/2015  
Number of Days to Update: 184 Next Scheduled EDR Contact: 05/11/2015  
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: 07/30/2014 Source: EPA Region 4  
Date Data Arrived at EDR: 08/12/2014 Telephone: 404-562-8677  
Date Made Active in Reports: 08/22/2014 Last EDR Contact: 01/26/2015  
Number of Days to Update: 10 Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Semi-Annually

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.  
Date of Government Version: 10/06/2014 Source: EPA Region 6  
Date Data Arrived at EDR: 10/29/2014 Telephone: 214-665-6597  
Date Made Active in Reports: 11/17/2014 Last EDR Contact: 01/26/2015  
Number of Days to Update: 19 Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska.  
Date of Government Version: 09/23/2014 Source: EPA Region 7  
Date Data Arrived at EDR: 11/25/2014 Telephone: 913-551-7003  
Date Made Active in Reports: 01/29/2015 Last EDR Contact: 01/26/2015  
Number of Days to Update: 65 Next Scheduled EDR Contact: 05/11/2015  
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: 11/04/2014 Source: EPA Region 8  
Date Data Arrived at EDR: 11/07/2014 Telephone: 303-312-6271  
Date Made Active in Reports: 11/17/2014 Last EDR Contact: 01/26/2015  
Number of Days to Update: 10 Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**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: 01/08/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2015	Telephone: 415-972-3372
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 01/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

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

Date of Government Version: 11/10/2014	Source: EPA Region 10
Date Data Arrived at EDR: 11/14/2014	Telephone: 206-553-2857
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

**State and tribal registered storage tank lists**

**UST:** Active UST Facilities  
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/20/2015	Source: SWRCB
Date Data Arrived at EDR: 01/21/2015	Telephone: 916-341-5851
Date Made Active in Reports: 01/27/2015	Last EDR Contact: 01/21/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 03/30/2015
	Data Release Frequency: Semi-Annually

**AST:** Aboveground Petroleum Storage Tank Facilities  
A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 08/01/2009	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2009	Telephone: 916-327-5092
Date Made Active in Reports: 10/01/2009	Last EDR Contact: 12/23/2014
Number of Days to Update: 21	Next Scheduled EDR Contact: 04/13/2015
	Data Release Frequency: Quarterly

**INDIAN UST R8:** Underground Storage Tanks on Indian Land  
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 11/04/2014	Source: EPA Region 8
Date Data Arrived at EDR: 11/07/2014	Telephone: 303-312-6137
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 01/26/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/11/2015
	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: 02/01/2013	Source: EPA, Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 01/27/2014	Last EDR Contact: 01/30/2015
Number of Days to Update: 271	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**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: 07/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 08/12/2014	Telephone: 404-562-9424
Date Made Active in Reports: 08/22/2014	Last EDR Contact: 01/26/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Semi-Annually

**INDIAN UST R5:** Underground Storage Tanks on Indian Land  
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/03/2014	Source: EPA Region 5
Date Data Arrived at EDR: 11/05/2014	Telephone: 312-886-6136
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 01/26/2015
Number of Days to Update: 12	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

**INDIAN UST R10:** Underground Storage Tanks on Indian Land  
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 11/10/2014	Source: EPA Region 10
Date Data Arrived at EDR: 11/14/2014	Telephone: 206-553-2857
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 87	Next Scheduled EDR Contact: 05/11/2015
	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: 11/13/2014	Source: EPA Region 9
Date Data Arrived at EDR: 11/18/2014	Telephone: 415-972-3368
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Quarterly

**INDIAN UST R7:** Underground Storage Tanks on Indian Land  
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/23/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 05/11/2015
	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: 10/06/2014	Source: EPA Region 6
Date Data Arrived at EDR: 10/29/2014	Telephone: 214-665-7591
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 01/26/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Semi-Annually

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**FEMA UST:** Underground Storage Tank Listing  
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/16/2010	Last EDR Contact: 01/30/2015
Number of Days to Update: 55	Next Scheduled EDR Contact: 04/27/2015
	Data Release Frequency: Varies

**State and tribal voluntary cleanup sites**

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

Date of Government Version: 02/02/2015	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/03/2015	Telephone: 916-323-3400
Date Made Active in Reports: 02/27/2015	Last EDR Contact: 03/12/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 05/18/2015
	Data Release Frequency: Quarterly

**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: 09/29/2014	Source: EPA, Region 1
Date Data Arrived at EDR: 10/01/2014	Telephone: 617-918-1102
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 12/31/2014
Number of Days to Update: 36	Next Scheduled EDR Contact: 04/13/2015
	Data Release Frequency: Varies

**INDIAN VCP R7:** Voluntary Cleanup Priority Listing  
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

**ADDITIONAL ENVIRONMENTAL RECORDS**

**Local Brownfield lists**

**US BROWNFIELDS:** A Listing of Brownfields Sites  
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/22/2014	Telephone: 202-568-2777
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 12/22/2014
Number of Days to Update: 38	Next Scheduled EDR Contact: 04/06/2015
	Data Release Frequency: Semi-Annually

**Local Lists of Landfill / Solid Waste Disposal Sites**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**DEBRIS REGION 9:** Torres Martinez Reservation Illegal Dump Site Locations  
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 01/26/2015
Number of Days to Update: 137	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: No Update Planned

**ODI:** Open Dump Inventory  
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

**SWRCY:** Recycler Database  
A listing of recycling facilities in California.

Date of Government Version: 12/15/2014	Source: Department of Conservation
Date Data Arrived at EDR: 12/15/2014	Telephone: 916-323-3836
Date Made Active in Reports: 01/26/2015	Last EDR Contact: 12/15/2014
Number of Days to Update: 42	Next Scheduled EDR Contact: 03/30/2015
	Data Release Frequency: Quarterly

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

Date of Government Version: 12/01/2014	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 12/01/2014	Telephone: 916-341-6422
Date Made Active in Reports: 01/23/2015	Last EDR Contact: 02/16/2015
Number of Days to Update: 53	Next Scheduled EDR Contact: 06/01/2015
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 02/02/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/18/2015
	Data Release Frequency: Varies

**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	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 02/09/2015
Number of Days to Update: 30	Next Scheduled EDR Contact: 05/25/2015
	Data Release Frequency: No Update Planned

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

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

**US CDL: Clandestine Drug Labs**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 11/10/2014  
 Date Data Arrived at EDR: 12/01/2014  
 Date Made Active in Reports: 02/09/2015  
 Number of Days to Update: 70

Source: Drug Enforcement Administration  
 Telephone: 202-307-1000  
 Last EDR Contact: 03/03/2015  
 Next Scheduled EDR Contact: 06/15/2015  
 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: 02/02/2015  
 Date Data Arrived at EDR: 02/03/2015  
 Date Made Active in Reports: 02/27/2015  
 Number of Days to Update: 24

Source: Department of Toxic Substances Control  
 Telephone: 916-323-3400  
 Last EDR Contact: 03/12/2015  
 Next Scheduled EDR Contact: 05/18/2015  
 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: 06/30/2014  
 Date Data Arrived at EDR: 09/02/2014  
 Date Made Active in Reports: 09/24/2014  
 Number of Days to Update: 22

Source: Department of Toxic Substances Control  
 Telephone: 916-255-6504  
 Last EDR Contact: 03/09/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**US HIST CDL: National Clandestine Laboratory Register**

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: 11/10/2014  
 Date Data Arrived at EDR: 12/01/2014  
 Date Made Active in Reports: 02/09/2015  
 Number of Days to Update: 70

Source: Drug Enforcement Administration  
 Telephone: 202-307-1000  
 Last EDR Contact: 03/03/2015  
 Next Scheduled EDR Contact: 06/15/2015  
 Data Release Frequency: No Update Planned

**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: 02/09/1995  
 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: 09/23/2009  
 Date Data Arrived at EDR: 09/23/2009  
 Date Made Active in Reports: 10/01/2009  
 Number of Days to Update: 8

Source: Department of Public Health  
 Telephone: 707-463-4466  
 Last EDR Contact: 02/26/2015  
 Next Scheduled EDR Contact: 06/15/2015  
 Data Release Frequency: Annually

**HIST UST: Hazardous Substance Storage Container Database**

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990  
 Date Data Arrived at EDR: 01/25/1991  
 Date Made Active in Reports: 02/12/1991  
 Number of Days to Update: 18

Source: State Water Resources Control Board  
 Telephone: 916-341-5851  
 Last EDR Contact: 07/26/2001  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: No Update Planned

**SWEEPS UST: SWEEPS UST Listing**

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994  
 Date Data Arrived at EDR: 07/07/2005  
 Date Made Active in Reports: 08/11/2005  
 Number of Days to Update: 35

Source: State Water Resources Control Board  
 Telephone: N/A  
 Last EDR Contact: 06/03/2005  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: No Update Planned

**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.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 02/18/2014  
 Date Data Arrived at EDR: 03/18/2014  
 Date Made Active in Reports: 04/24/2014  
 Number of Days to Update: 37

Source: Environmental Protection Agency  
 Telephone: 202-564-6023  
 Last EDR Contact: 01/30/2015  
 Next Scheduled EDR Contact: 05/11/2015  
 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: 12/15/2014  
 Date Data Arrived at EDR: 12/18/2014  
 Date Made Active in Reports: 01/23/2015  
 Number of Days to Update: 36

Source: Department of Toxic Substances Control  
 Telephone: 916-323-3400  
 Last EDR Contact: 03/09/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 Data Release Frequency: Varies

**DEED: Deed Restriction Listing**

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

Date of Government Version: 12/08/2014  
 Date Data Arrived at EDR: 12/09/2014  
 Date Made Active in Reports: 01/23/2015  
 Number of Days to Update: 45

Source: DTSC and SWRCB  
 Telephone: 916-323-3400  
 Last EDR Contact: 03/10/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 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: 12/29/2014  
 Date Data Arrived at EDR: 12/30/2014  
 Date Made Active in Reports: 03/09/2015  
 Number of Days to Update: 69

Source: U.S. Department of Transportation  
 Telephone: 202-366-4555  
 Last EDR Contact: 12/30/2014  
 Next Scheduled EDR Contact: 04/13/2015  
 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: 01/21/2015  
 Date Data Arrived at EDR: 01/28/2015  
 Date Made Active in Reports: 02/26/2015  
 Number of Days to Update: 29

Source: Office of Emergency Services  
 Telephone: 916-845-8400  
 Last EDR Contact: 01/28/2015  
 Next Scheduled EDR Contact: 05/11/2015  
 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: 01/20/2015  
 Date Data Arrived at EDR: 01/21/2015  
 Date Made Active in Reports: 02/05/2015  
 Number of Days to Update: 15

Source: State Water Quality Control Board  
 Telephone: 866-480-1028  
 Last EDR Contact: 01/21/2015  
 Next Scheduled EDR Contact: 03/30/2015  
 Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**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: 01/20/2015  
 Date Data Arrived at EDR: 01/21/2015  
 Date Made Active in Reports: 02/05/2015  
 Number of Days to Update: 15

Source: State Water Resources Control Board  
 Telephone: 866-480-1028  
 Last EDR Contact: 01/21/2015  
 Next Scheduled EDR Contact: 03/30/2015  
 Data Release Frequency: Quarterly

**SPILLS 90: SPILLS90 data from FirstSearch**

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012  
 Date Data Arrived at EDR: 01/03/2013  
 Date Made Active in Reports: 02/22/2013  
 Number of Days to Update: 50

Source: FirstSearch  
 Telephone: N/A  
 Last EDR Contact: 01/03/2013  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: No Update Planned

**Other Ascertainable Records**

**RCRA NonGen / NLR: RCRA - Non Generators**

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

Date of Government Version: 12/09/2014  
 Date Data Arrived at EDR: 12/29/2014  
 Date Made Active in Reports: 01/29/2015  
 Number of Days to Update: 31

Source: Environmental Protection Agency  
 Telephone: (415) 495-8985  
 Last EDR Contact: 12/29/2014  
 Next Scheduled EDR Contact: 04/13/2015  
 Data Release Frequency: Varies

**DOT OPS: Incident and Accident Data**

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

Date of Government Version: 07/31/2012  
 Date Data Arrived at EDR: 08/07/2012  
 Date Made Active in Reports: 09/18/2012  
 Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety  
 Telephone: 202-366-4595  
 Last EDR Contact: 02/03/2015  
 Next Scheduled EDR Contact: 05/18/2015  
 Data Release Frequency: Varies

**DOD: Department of Defense Sites**

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
 Date Data Arrived at EDR: 11/10/2006  
 Date Made Active in Reports: 01/11/2007  
 Number of Days to Update: 62

Source: USGS  
 Telephone: 888-275-8747  
 Last EDR Contact: 01/15/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 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.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 06/06/2014  
 Date Data Arrived at EDR: 09/10/2014  
 Date Made Active in Reports: 09/18/2014  
 Number of Days to Update: 8

Source: U.S. Army Corps of Engineers  
 Telephone: 202-528-4285  
 Last EDR Contact: 12/12/2014  
 Next Scheduled EDR Contact: 03/23/2015  
 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: 01/23/2015  
 Date Data Arrived at EDR: 02/13/2015  
 Date Made Active in Reports: 03/09/2015  
 Number of Days to Update: 24

Source: Department of Justice, Consent Decree Library  
 Telephone: Varies  
 Last EDR Contact: 12/24/2014  
 Next Scheduled EDR Contact: 04/13/2015  
 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: 11/25/2013  
 Date Data Arrived at EDR: 12/12/2013  
 Date Made Active in Reports: 02/24/2014  
 Number of Days to Update: 74

Source: EPA  
 Telephone: 703-416-0223  
 Last EDR Contact: 03/10/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 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: 09/14/2010  
 Date Data Arrived at EDR: 10/07/2011  
 Date Made Active in Reports: 03/01/2012  
 Number of Days to Update: 146

Source: Department of Energy  
 Telephone: 505-845-0011  
 Last EDR Contact: 02/27/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 Data Release Frequency: Varies

**US MINES:** Mines Master Index File  
 Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 12/30/2014  
 Date Data Arrived at EDR: 12/31/2014  
 Date Made Active in Reports: 01/29/2015  
 Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration  
 Telephone: 303-231-5959  
 Last EDR Contact: 03/09/2015  
 Next Scheduled EDR Contact: 06/15/2015  
 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: 12/31/2011  
 Date Data Arrived at EDR: 07/31/2013  
 Date Made Active in Reports: 09/13/2013  
 Number of Days to Update: 44

Source: EPA  
 Telephone: 202-566-0250  
 Last EDR Contact: 01/29/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 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 site.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/31/2012  
 Date Data Arrived at EDR: 01/15/2015  
 Date Made Active in Reports: 01/29/2015  
 Number of Days to Update: 14

Source: EPA  
 Telephone: 202-260-5521  
 Last EDR Contact: 12/22/2014  
 Next Scheduled EDR Contact: 04/06/2015  
 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: 02/23/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009  
 Date Data Arrived at EDR: 04/16/2009  
 Date Made Active in Reports: 05/11/2009  
 Number of Days to Update: 25

Source: EPA  
 Telephone: 202-566-1667  
 Last EDR Contact: 02/23/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 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: 12/17/2007  
 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.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/31/2009  
 Date Data Arrived at EDR: 12/10/2010  
 Date Made Active in Reports: 02/25/2011  
 Number of Days to Update: 77

Source: EPA  
 Telephone: 202-564-4203  
 Last EDR Contact: 01/26/2015  
 Next Scheduled EDR Contact: 05/11/2015  
 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: 01/23/2015  
 Date Data Arrived at EDR: 02/06/2015  
 Date Made Active in Reports: 03/09/2015  
 Number of Days to Update: 31

Source: Environmental Protection Agency  
 Telephone: 202-564-5088  
 Last EDR Contact: 01/09/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 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: 07/01/2014  
 Date Data Arrived at EDR: 10/15/2014  
 Date Made Active in Reports: 11/17/2014  
 Number of Days to Update: 33

Source: EPA  
 Telephone: 202-566-0500  
 Last EDR Contact: 01/16/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 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: 12/29/2014  
 Date Data Arrived at EDR: 01/08/2015  
 Date Made Active in Reports: 01/29/2015  
 Number of Days to Update: 21

Source: Nuclear Regulatory Commission  
 Telephone: 301-415-7169  
 Last EDR Contact: 03/09/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 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: 10/07/2014  
 Date Data Arrived at EDR: 10/08/2014  
 Date Made Active in Reports: 10/20/2014  
 Number of Days to Update: 12

Source: Environmental Protection Agency  
 Telephone: 202-343-9775  
 Last EDR Contact: 02/27/2015  
 Next Scheduled EDR Contact: 04/20/2015  
 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 (Aeronautical 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: 08/16/2014  
 Date Data Arrived at EDR: 09/10/2014  
 Date Made Active in Reports: 10/20/2014  
 Number of Days to Update: 40

Source: EPA  
 Telephone: (415) 947-8000  
 Last EDR Contact: 03/09/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 Data Release Frequency: Quarterly

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**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

**RMP:** Risk Management Plans  
 When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(i) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes (n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2014  
 Date Data Arrived at EDR: 08/12/2014  
 Date Made Active in Reports: 11/06/2014  
 Number of Days to Update: 86

Source: Environmental Protection Agency  
 Telephone: 202-564-8600  
 Last EDR Contact: 01/26/2015  
 Next Scheduled EDR Contact: 05/11/2015  
 Data Release Frequency: Varies

**BRS:** Biennial Reporting System  
 The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LOG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011  
 Date Data Arrived at EDR: 02/26/2013  
 Date Made Active in Reports: 04/19/2013  
 Number of Days to Update: 52

Source: EPANITS  
 Telephone: 800-424-9346  
 Last EDR Contact: 02/24/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 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: 06/02/1994  
 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

**UIC:** UIC Listing  
 A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 11/19/2014  
 Date Data Arrived at EDR: 12/15/2014  
 Date Made Active in Reports: 01/29/2015  
 Number of Days to Update: 45

Source: Department of Conservation  
 Telephone: 916-445-2408  
 Last EDR Contact: 12/15/2014  
 Next Scheduled EDR Contact: 03/30/2015  
 Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**NPDES: NPDES Permits Listing**

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/16/2015  
 Date Data Arrived at EDR: 02/17/2015  
 Date Made Active in Reports: 03/04/2015  
 Number of Days to Update: 15

Source: State Water Resources Control Board  
 Telephone: 916-445-9379  
 Last EDR Contact: 02/17/2015  
 Next Scheduled EDR Contact: 06/01/2015  
 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).

Date of Government Version: 12/29/2014  
 Date Data Arrived at EDR: 12/29/2014  
 Date Made Active in Reports: 02/03/2015  
 Number of Days to Update: 36

Source: CAL EPA/Office of Emergency Information  
 Telephone: 916-323-3400  
 Last EDR Contact: 12/29/2014  
 Next Scheduled EDR Contact: 04/13/2015  
 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 (CALISTES). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001  
 Date Data Arrived at EDR: 01/22/2009  
 Date Made Active in Reports: 04/08/2009  
 Number of Days to Update: 76

Source: Department of Toxic Substances Control  
 Telephone: 916-323-3400  
 Last EDR Contact: 01/22/2009  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: No Update Planned

**NOTIFY 65: Proposition 65 Records**

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 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: 12/18/2014  
 Next Scheduled EDR Contact: 04/06/2015  
 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 laundries; laundry and garment services.

Date of Government Version: 02/18/2015  
 Date Data Arrived at EDR: 02/18/2015  
 Date Made Active in Reports: 03/12/2015  
 Number of Days to Update: 20

Source: Department of Toxic Substance Control  
 Telephone: 916-327-4498  
 Last EDR Contact: 03/09/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 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: 07/03/2009  
 Date Data Arrived at EDR: 07/21/2009  
 Date Made Active in Reports: 08/23/2009  
 Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board  
 Telephone: 213-576-6726  
 Last EDR Contact: 12/23/2014  
 Next Scheduled EDR Contact: 04/13/2015  
 Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**ENF: Enforcement Action Listing**

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/26/2015  
 Date Data Arrived at EDR: 01/28/2015  
 Date Made Active in Reports: 02/26/2015  
 Number of Days to Update: 29

Source: State Water Resources Control Board  
 Telephone: 916-445-9379  
 Last EDR Contact: 01/26/2015  
 Next Scheduled EDR Contact: 05/11/2015  
 Data Release Frequency: Varies

**HAZNET: Facility and Manifest Data**

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2013  
 Date Data Arrived at EDR: 10/15/2014  
 Date Made Active in Reports: 11/19/2014  
 Number of Days to Update: 35

Source: California Environmental Protection Agency  
 Telephone: 916-255-1136  
 Last EDR Contact: 01/16/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 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: 12/31/2012  
 Date Data Arrived at EDR: 03/25/2014  
 Date Made Active in Reports: 04/28/2014  
 Number of Days to Update: 34

Source: California Air Resources Board  
 Telephone: 916-322-2990  
 Last EDR Contact: 12/24/2014  
 Next Scheduled EDR Contact: 04/06/2015  
 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: 01/15/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 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: 03/07/2011  
 Date Data Arrived at EDR: 03/09/2011  
 Date Made Active in Reports: 05/02/2011  
 Number of Days to Update: 54

Source: Environmental Protection Agency  
 Telephone: 615-532-8599  
 Last EDR Contact: 02/18/2015  
 Next Scheduled EDR Contact: 06/01/2015  
 Data Release Frequency: Varies

**Financial Assurance 2: Financial Assurance Information Listing**

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 02/17/2015  
 Date Data Arrived at EDR: 02/20/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 11

Source: California Integrated Waste Management Board  
 Telephone: 916-341-6066  
 Last EDR Contact: 02/16/2015  
 Next Scheduled EDR Contact: 06/01/2015  
 Data Release Frequency: Varies

**Financial Assurance 1: Financial Assurance Information Listing**

Financial Assurance information

Date of Government Version: 02/02/2015  
 Date Data Arrived at EDR: 02/06/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 25

Source: Department of Toxic Substances Control  
 Telephone: 916-327-4498  
 Last EDR Contact: 01/26/2015  
 Next Scheduled EDR Contact: 05/11/2015  
 Data Release Frequency: Varies

**PCB TRANSFORMER: PCB Transformer Registration Database**

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011  
 Date Data Arrived at EDR: 10/19/2011  
 Date Made Active in Reports: 01/10/2012  
 Number of Days to Update: 83

Source: Environmental Protection Agency  
 Telephone: 202-566-0517  
 Last EDR Contact: 01/30/2015  
 Next Scheduled EDR Contact: 05/11/2015  
 Data Release Frequency: Varies

**COAL ASH EPA: Coal Combustion Residues Surface Impoundments List**

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014  
 Date Data Arrived at EDR: 09/10/2014  
 Date Made Active in Reports: 10/20/2014  
 Number of Days to Update: 40

Source: Environmental Protection Agency  
 Telephone: N/A  
 Last EDR Contact: 12/12/2014  
 Next Scheduled EDR Contact: 03/23/2015  
 Data Release Frequency: Varies

**US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)**

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014  
 Date Data Arrived at EDR: 10/31/2014  
 Date Made Active in Reports: 11/17/2014  
 Number of Days to Update: 17

Source: EPA  
 Telephone: 202-564-2496  
 Last EDR Contact: 02/06/2015  
 Next Scheduled EDR Contact: 04/13/2015  
 Data Release Frequency: Annually

**PROC: Certified Processors Database**

A listing of certified processors.

Date of Government Version: 12/15/2014  
 Date Data Arrived at EDR: 12/15/2014  
 Date Made Active in Reports: 01/26/2015  
 Number of Days to Update: 42

Source: Department of Conservation  
 Telephone: 916-323-3836  
 Last EDR Contact: 12/15/2014  
 Next Scheduled EDR Contact: 03/30/2015  
 Data Release Frequency: Quarterly

**EPA WATCH LIST: EPA WATCH LIST**

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 08/30/2013  
 Date Data Arrived at EDR: 03/21/2014  
 Date Made Active in Reports: 06/17/2014  
 Number of Days to Update: 88

Source: Environmental Protection Agency  
 Telephone: 617-520-3000  
 Last EDR Contact: 02/09/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 Data Release Frequency: Quarterly

**PRP: Potentially Responsible Parties**

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013  
 Date Data Arrived at EDR: 10/17/2014  
 Date Made Active in Reports: 10/20/2014  
 Number of Days to Update: 3

Source: EPA  
 Telephone: 202-564-6023  
 Last EDR Contact: 02/13/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 Data Release Frequency: Quarterly

**2020 OOR ACTION: 2020 Corrective Action Program List**

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013  
 Date Data Arrived at EDR: 03/03/2015  
 Date Made Active in Reports: 03/09/2015  
 Number of Days to Update: 6

Source: Environmental Protection Agency  
 Telephone: 703-308-4044  
 Last EDR Contact: 02/13/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 Data Release Frequency: Varies

**FEDLAND: Federal and Indian Lands**

Federally and Indian administered lands of the United States. Lands included are administered by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
 Date Data Arrived at EDR: 02/06/2006  
 Date Made Active in Reports: 01/11/2007  
 Number of Days to Update: 339

Source: U.S. Geological Survey  
 Telephone: 888-275-8747  
 Last EDR Contact: 01/15/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 Data Release Frequency: N/A

**LEAD SMELTER 1: Lead Smelter Sites**

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014  
 Date Data Arrived at EDR: 11/26/2014  
 Date Made Active in Reports: 01/29/2015  
 Number of Days to Update: 64

Source: Environmental Protection Agency  
 Telephone: 703-603-8787  
 Last EDR Contact: 01/05/2015  
 Next Scheduled EDR Contact: 04/20/2015  
 Data Release Frequency: Varies

**LEAD SMELTER 2: Lead Smelter Sites**

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
 Date Data Arrived at EDR: 10/27/2010  
 Date Made Active in Reports: 12/02/2010  
 Number of Days to Update: 36

Source: American Journal of Public Health  
 Telephone: 703-305-6451  
 Last EDR Contact: 12/02/2009  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: No Update Planned

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**WDS: Waste Discharge System**

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007  
 Date Data Arrived at EDR: 06/20/2007  
 Date Made Active in Reports: 06/29/2007  
 Number of Days to Update: 9

Source: State Water Resources Control Board  
 Telephone: 916-341-5227  
 Last EDR Contact: 02/23/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 Data Release Frequency: Quarterly

**US FIN ASSUR: Financial Assurance Information**

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 11/19/2014  
 Date Data Arrived at EDR: 11/21/2014  
 Date Made Active in Reports: 01/29/2015  
 Number of Days to Update: 69

Source: Environmental Protection Agency  
 Telephone: 202-566-1917  
 Last EDR Contact: 02/16/2015  
 Next Scheduled EDR Contact: 06/01/2015  
 Data Release Frequency: Quarterly

**US AIRS MINOR: Air Facility System Data**

A listing of minor source facilities.

Date of Government Version: 10/16/2014  
 Date Data Arrived at EDR: 10/31/2014  
 Date Made Active in Reports: 11/17/2014  
 Number of Days to Update: 17

Source: EPA  
 Telephone: 202-564-2496  
 Last EDR Contact: 02/06/2015  
 Next Scheduled EDR Contact: 04/13/2015  
 Data Release Frequency: Annually

**HWP: EnviroStor Permitted Facilities Listing**

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/23/2015  
 Date Data Arrived at EDR: 02/24/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 7

Source: Department of Toxic Substances Control  
 Telephone: 916-323-3400  
 Last EDR Contact: 02/24/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 Data Release Frequency: Quarterly

**HWT: Registered Hazardous Waste Transporter Database**

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 01/12/2015  
 Date Data Arrived at EDR: 01/13/2015  
 Date Made Active in Reports: 02/03/2015  
 Number of Days to Update: 21

Source: Department of Toxic Substances Control  
 Telephone: 916-440-7145  
 Last EDR Contact: 01/13/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 Data Release Frequency: Quarterly

**MWMP: Medical Waste Management Program Listing**

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 11/13/2014  
 Date Data Arrived at EDR: 12/09/2014  
 Date Made Active in Reports: 01/28/2015  
 Number of Days to Update: 48

Source: Department of Public Health  
 Telephone: 916-558-1784  
 Last EDR Contact: 03/10/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**COAL ASH DOE: Steam-Electric Plan Operation Data**

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005  
 Date Data Arrived at EDR: 08/07/2009  
 Date Made Active in Reports: 10/22/2009  
 Number of Days to Update: 76

Source: Department of Energy  
 Telephone: 202-586-8719  
 Last EDR Contact: 01/15/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 Data Release Frequency: Varies

**EDR HIGH RISK HISTORICAL RECORDS**

**EDR Exclusive Records**

**EDR MGP: EDR Proprietary Manufactured Gas Plants**

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whole 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 (oilly waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
 Date Data Arrived at EDR: N/A  
 Date Made Active in Reports: N/A  
 Number of Days to Update: N/A

Source: EDR, Inc.  
 Telephone: N/A  
 Last EDR Contact: N/A  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: No Update Planned

**EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations**

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

Date of Government Version: N/A  
 Date Data Arrived at EDR: N/A  
 Date Made Active in Reports: N/A  
 Number of Days to Update: N/A

Source: EDR, Inc.  
 Telephone: N/A  
 Last EDR Contact: N/A  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: Varies

**EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners**

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

Date of Government Version: N/A  
 Date Data Arrived at EDR: N/A  
 Date Made Active in Reports: N/A  
 Number of Days to Update: N/A

Source: EDR, Inc.  
 Telephone: N/A  
 Last EDR Contact: N/A  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: Varies

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**EDR RECOVERED GOVERNMENT ARCHIVES**

**Exclusive Recovered Govt. Archives**

**RGA LF: Recovered Government Archive Solid Waste Facilities List**

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A  
 Date Data Arrived at EDR: 07/01/2013  
 Date Made Active in Reports: 01/13/2014  
 Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery  
 Telephone: N/A  
 Last EDR Contact: 06/01/2012  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: Varies

**RGA LUST: Recovered Government Archive Leaking Underground Storage Tank**

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A  
 Date Data Arrived at EDR: 07/01/2013  
 Date Made Active in Reports: 12/30/2013  
 Number of Days to Update: 182

Source: State Water Resources Control Board  
 Telephone: N/A  
 Last EDR Contact: 06/01/2012  
 Next Scheduled EDR Contact: N/A  
 Data Release Frequency: Varies

**COUNTY RECORDS**

**ALAMEDA COUNTY:**

**Contaminated Sites**

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/21/2015  
 Date Data Arrived at EDR: 01/28/2015  
 Date Made Active in Reports: 02/26/2015  
 Number of Days to Update: 29

Source: Alameda County Environmental Health Services  
 Telephone: 510-567-6700  
 Last EDR Contact: 12/29/2014  
 Next Scheduled EDR Contact: 04/13/2015  
 Data Release Frequency: Semi-Annually

**Underground Tanks**

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/21/2015  
 Date Data Arrived at EDR: 01/28/2015  
 Date Made Active in Reports: 02/26/2015  
 Number of Days to Update: 29

Source: Alameda County Environmental Health Services  
 Telephone: 510-567-6700  
 Last EDR Contact: 12/29/2014  
 Next Scheduled EDR Contact: 04/13/2015  
 Data Release Frequency: Semi-Annually

**AMADOR COUNTY:**

**CUPA Facility List**

Cupa Facility List

Date of Government Version: 12/08/2014  
 Date Data Arrived at EDR: 12/11/2014  
 Date Made Active in Reports: 01/23/2015  
 Number of Days to Update: 43

Source: Amador County Environmental Health  
 Telephone: 209-223-6439  
 Last EDR Contact: 03/09/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 Data Release Frequency: Varies

**BUTTE COUNTY:**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**CUPA Facility Listing**

Cupa facility list.

Date of Government Version: 11/20/2014  
 Date Data Arrived at EDR: 11/24/2014  
 Date Made Active in Reports: 01/07/2015  
 Number of Days to Update: 44

Source: Public Health Department  
 Telephone: 530-538-7149  
 Last EDR Contact: 02/26/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 Data Release Frequency: No Update Planned

**CALVERAS COUNTY:**

**CUPA Facility Listing**

Cupa Facility Listing

Date of Government Version: 03/03/2015  
 Date Data Arrived at EDR: 03/05/2015  
 Date Made Active in Reports: 03/10/2015  
 Number of Days to Update: 5

Source: Calveras County Environmental Health  
 Telephone: 209-754-6399  
 Last EDR Contact: 01/12/2015  
 Next Scheduled EDR Contact: 04/13/2015  
 Data Release Frequency: Quarterly

**COLUSA COUNTY:**

**CUPA Facility List**

Cupa facility list.

Date of Government Version: 06/11/2014  
 Date Data Arrived at EDR: 06/13/2014  
 Date Made Active in Reports: 07/07/2014  
 Number of Days to Update: 24

Source: Health & Human Services  
 Telephone: 530-458-0396  
 Last EDR Contact: 02/09/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 Data Release Frequency: Varies

**CONTRA COSTA COUNTY:**

**Site List**

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

Date of Government Version: 02/23/2015  
 Date Data Arrived at EDR: 02/25/2015  
 Date Made Active in Reports: 03/04/2015  
 Number of Days to Update: 7

Source: Contra Costa Health Services Department  
 Telephone: 925-646-2286  
 Last EDR Contact: 02/02/2015  
 Next Scheduled EDR Contact: 05/18/2015  
 Data Release Frequency: Semi-Annually

**DEL NORTE COUNTY:**

**CUPA Facility List**

Cupa Facility list

Date of Government Version: 02/23/2015  
 Date Data Arrived at EDR: 02/25/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 6

Source: Del Norte County Environmental Health Division  
 Telephone: 707-465-0426  
 Last EDR Contact: 02/16/2015  
 Next Scheduled EDR Contact: 05/18/2015  
 Data Release Frequency: Varies

**EL DORADO COUNTY:**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

CUPA Facility List  
CUPA facility list.  
Date of Government Version: 02/24/2015  
Date Data Arrived at EDR: 02/25/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 6  
Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 02/02/2015  
Next Scheduled EDR Contact: 05/18/2015  
Data Release Frequency: Varies

**FRESNO COUNTY:**

CUPA Resources List  
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.  
Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 01/16/2015  
Date Made Active in Reports: 02/05/2015  
Number of Days to Update: 20  
Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 01/05/2015  
Next Scheduled EDR Contact: 04/20/2015  
Data Release Frequency: Semi-Annually

**HUMBOLDT COUNTY:**

CUPA Facility List  
CUPA facility list.  
Date of Government Version: 12/11/2014  
Date Data Arrived at EDR: 12/15/2014  
Date Made Active in Reports: 01/23/2015  
Number of Days to Update: 39  
Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

**IMPERIAL COUNTY:**

CUPA Facility List  
Cupa facility list.  
Date of Government Version: 02/10/2015  
Date Data Arrived at EDR: 02/12/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 19  
Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 02/09/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Varies

**INYO COUNTY:**

CUPA Facility List  
Cupa facility list.  
Date of Government Version: 09/10/2013  
Date Data Arrived at EDR: 09/11/2013  
Date Made Active in Reports: 10/14/2013  
Number of Days to Update: 33  
Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

**KERN COUNTY:**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Underground Storage Tank Sites & Tank Listing  
Kern County Sites and Tanks Listing.  
Date of Government Version: 07/22/2014  
Date Data Arrived at EDR: 11/12/2014  
Date Made Active in Reports: 12/19/2014  
Number of Days to Update: 37  
Source: Kern County Environment Health Services Department  
Telephone: 861-862-8200  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Quarterly

**KINGS COUNTY:**

CUPA Facility List  
A listing of sites included in the county's Certified Unified Program Agency database, California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.  
Date of Government Version: 11/21/2014  
Date Data Arrived at EDR: 11/25/2014  
Date Made Active in Reports: 12/30/2014  
Number of Days to Update: 35  
Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 03/09/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

**LAKE COUNTY:**

CUPA Facility List  
Cupa facility list  
Date of Government Version: 01/20/2015  
Date Data Arrived at EDR: 01/21/2015  
Date Made Active in Reports: 02/05/2015  
Number of Days to Update: 15  
Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 01/19/2015  
Next Scheduled EDR Contact: 05/04/2015  
Data Release Frequency: Varies

**LOS ANGELES COUNTY:**

San Gabriel Valley Areas of Concern  
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.  
Date of Government Version: 03/30/2009  
Date Data Arrived at EDR: 03/31/2009  
Date Made Active in Reports: 10/23/2009  
Number of Days to Update: 206  
Source: EPA Region 9  
Telephone: 415-972-3178  
Last EDR Contact: 12/18/2014  
Next Scheduled EDR Contact: 04/06/2015  
Data Release Frequency: No Update Planned

HMS: Street Number List  
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/24/2014  
Date Data Arrived at EDR: 01/30/2015  
Date Made Active in Reports: 03/04/2015  
Number of Days to Update: 33  
Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 01/12/2015  
Next Scheduled EDR Contact: 04/27/2015  
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities  
Solid Waste Facilities in Los Angeles County.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 01/19/2015  
Date Data Arrived at EDR: 01/20/2015  
Date Made Active in Reports: 02/05/2015  
Number of Days to Update: 16  
Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 01/20/2015  
Next Scheduled EDR Contact: 05/04/2015  
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: 01/19/2015  
Next Scheduled EDR Contact: 05/04/2015  
Data Release Frequency: Varies

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

Date of Government Version: 01/15/2015  
Date Data Arrived at EDR: 01/29/2015  
Date Made Active in Reports: 03/10/2015  
Number of Days to Update: 40  
Source: Community Health Services  
Telephone: 323-890-7806  
Last EDR Contact: 01/19/2015  
Next Scheduled EDR Contact: 05/04/2015  
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank  
Underground storage tank sites located in El Segundo city.

Date of Government Version: 10/20/2014  
Date Data Arrived at EDR: 10/22/2014  
Date Made Active in Reports: 12/15/2014  
Number of Days to Update: 54  
Source: City of El Segundo Fire Department  
Telephone: 310-524-2236  
Last EDR Contact: 03/06/2015  
Next Scheduled EDR Contact: 05/04/2015  
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: 01/29/2015  
Date Data Arrived at EDR: 02/13/2015  
Date Made Active in Reports: 02/26/2015  
Number of Days to Update: 13  
Source: City of Long Beach Fire Department  
Telephone: 562-570-2563  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Annually

City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 01/08/2015  
Date Data Arrived at EDR: 01/15/2015  
Date Made Active in Reports: 01/27/2015  
Number of Days to Update: 12  
Source: City of Torrance Fire Department  
Telephone: 310-618-2973  
Last EDR Contact: 01/12/2015  
Next Scheduled EDR Contact: 04/27/2015  
Data Release Frequency: Semi-Annually

**MADERA COUNTY:**

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

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 10/02/2014  
Date Data Arrived at EDR: 10/03/2014  
Date Made Active in Reports: 11/20/2014  
Number of Days to Update: 48  
Source: Madera County Environmental Health  
Telephone: 559-675-7823  
Last EDR Contact: 03/09/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

**MARIN COUNTY:**

Underground Storage Tank Sites  
Currently permitted USTs in Marin County.

Date of Government Version: 10/08/2014  
Date Data Arrived at EDR: 10/22/2014  
Date Made Active in Reports: 12/15/2014  
Number of Days to Update: 54  
Source: Public Works Department Waste Management  
Telephone: 415-499-6647  
Last EDR Contact: 01/05/2015  
Next Scheduled EDR Contact: 04/20/2015  
Data Release Frequency: Semi-Annually

**MERCED COUNTY:**

CUPA Facility List  
CUPA facility list.

Date of Government Version: 02/23/2015  
Date Data Arrived at EDR: 02/24/2015  
Date Made Active in Reports: 03/03/2015  
Number of Days to Update: 7  
Source: Merced County Environmental Health  
Telephone: 209-381-1094  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

**MONO COUNTY:**

CUPA Facility List  
CUPA Facility List

Date of Government Version: 02/27/2015  
Date Data Arrived at EDR: 03/06/2015  
Date Made Active in Reports: 03/10/2015  
Number of Days to Update: 4  
Source: Mono County Health Department  
Telephone: 760-932-5580  
Last EDR Contact: 02/26/2015  
Next Scheduled EDR Contact: 06/15/2015  
Data Release Frequency: Varies

**MONTEREY COUNTY:**

CUPA Facility Listing  
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 12/18/2014  
Date Data Arrived at EDR: 12/19/2014  
Date Made Active in Reports: 01/23/2015  
Number of Days to Update: 35  
Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Varies

**NAPA COUNTY:**

Sites With Reported Contamination

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

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 12/05/2011  
 Date Data Arrived at EDR: 12/06/2011  
 Date Made Active in Reports: 02/07/2012  
 Number of Days to Update: 63  
 Source: Napa County Department of Environmental Management  
 Telephone: 707-253-4269  
 Last EDR Contact: 02/26/2015  
 Next Scheduled EDR Contact: 06/15/2015  
 Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites  
 Underground storage tank sites located in Napa county.

Date of Government Version: 01/15/2008  
 Date Data Arrived at EDR: 01/16/2008  
 Date Made Active in Reports: 02/08/2008  
 Number of Days to Update: 23  
 Source: Napa County Department of Environmental Management  
 Telephone: 707-253-4269  
 Last EDR Contact: 02/26/2015  
 Next Scheduled EDR Contact: 06/15/2015  
 Data Release Frequency: No Update Planned

**NEVADA COUNTY:**

CUPA Facility List  
 CUPA facility list.

Date of Government Version: 02/12/2015  
 Date Data Arrived at EDR: 02/13/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 18  
 Source: Community Development Agency  
 Telephone: 530-265-1467  
 Last EDR Contact: 02/06/2015  
 Next Scheduled EDR Contact: 05/18/2015  
 Data Release Frequency: Varies

**ORANGE COUNTY:**

List of Industrial Site Cleanups  
 Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2015  
 Date Data Arrived at EDR: 02/13/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 18  
 Source: Health Care Agency  
 Telephone: 714-834-3446  
 Last EDR Contact: 02/09/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 Data Release Frequency: Annually

List of Underground Storage Tank Cleanups  
 Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/03/2015  
 Date Data Arrived at EDR: 02/13/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 18  
 Source: Health Care Agency  
 Telephone: 714-834-3446  
 Last EDR Contact: 02/09/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities  
 Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/01/2015  
 Date Data Arrived at EDR: 02/13/2015  
 Date Made Active in Reports: 02/26/2015  
 Number of Days to Update: 13  
 Source: Health Care Agency  
 Telephone: 714-834-3446  
 Last EDR Contact: 02/09/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 Data Release Frequency: Quarterly

**PLACER COUNTY:**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 12/08/2014  
 Date Data Arrived at EDR: 12/09/2014  
 Date Made Active in Reports: 01/26/2015  
 Number of Days to Update: 48  
 Source: Placer County Health and Human Services  
 Telephone: 530-745-2363  
 Last EDR Contact: 03/09/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 Data Release Frequency: Semi-Annually

**RIVERSIDE COUNTY:**

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 01/28/2015  
 Date Data Arrived at EDR: 01/29/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 33  
 Source: Department of Environmental Health  
 Telephone: 951-358-5055  
 Last EDR Contact: 12/22/2014  
 Next Scheduled EDR Contact: 01/05/2015  
 Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 01/28/2015  
 Date Data Arrived at EDR: 01/29/2015  
 Date Made Active in Reports: 02/26/2015  
 Number of Days to Update: 28  
 Source: Department of Environmental Health  
 Telephone: 951-358-5055  
 Last EDR Contact: 12/22/2014  
 Next Scheduled EDR Contact: 04/06/2015  
 Data Release Frequency: Quarterly

**SACRAMENTO COUNTY:**

Toxic Site Clean-Up List

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

Date of Government Version: 11/03/2014  
 Date Data Arrived at EDR: 01/07/2015  
 Date Made Active in Reports: 02/03/2015  
 Number of Days to Update: 27  
 Source: Sacramento County Environmental Management  
 Telephone: 916-875-8406  
 Last EDR Contact: 01/07/2015  
 Next Scheduled EDR Contact: 04/20/2015  
 Data Release Frequency: Quarterly

Master Hazardous Materials Facility List

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

Date of Government Version: 11/03/2014  
 Date Data Arrived at EDR: 01/09/2015  
 Date Made Active in Reports: 02/03/2015  
 Number of Days to Update: 25  
 Source: Sacramento County Environmental Management  
 Telephone: 916-875-8406  
 Last EDR Contact: 01/05/2015  
 Next Scheduled EDR Contact: 04/20/2015  
 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.

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 03/02/2015  
 Date Data Arrived at EDR: 03/03/2015  
 Date Made Active in Reports: 03/10/2015  
 Number of Days to Update: 7  
 Source: San Bernardino County Fire Department Hazardous Materials Division  
 Telephone: 909-387-3041  
 Last EDR Contact: 02/09/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 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: 09/23/2013  
 Date Data Arrived at EDR: 09/24/2013  
 Date Made Active in Reports: 10/17/2013  
 Number of Days to Update: 23  
 Source: Hazardous Materials Management Division  
 Telephone: 619-338-2268  
 Last EDR Contact: 03/10/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2014  
 Date Data Arrived at EDR: 11/21/2014  
 Date Made Active in Reports: 12/29/2014  
 Number of Days to Update: 38  
 Source: Department of Health Services  
 Telephone: 619-338-2209  
 Last EDR Contact: 01/26/2015  
 Next Scheduled EDR Contact: 05/11/2015  
 Data Release Frequency: Varies

Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010  
 Date Data Arrived at EDR: 06/15/2010  
 Date Made Active in Reports: 07/09/2010  
 Number of Days to Update: 24  
 Source: San Diego County Department of Environmental Health  
 Telephone: 619-338-2371  
 Last EDR Contact: 03/09/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 Data Release Frequency: No Update Planned

**SAN FRANCISCO COUNTY:**

Local Oversight Facilities

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

Date of Government Version: 09/19/2008  
 Date Data Arrived at EDR: 09/19/2008  
 Date Made Active in Reports: 09/29/2008  
 Number of Days to Update: 10  
 Source: Department Of Public Health San Francisco County  
 Telephone: 415-252-3920  
 Last EDR Contact: 02/09/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010  
 Date Data Arrived at EDR: 03/10/2011  
 Date Made Active in Reports: 03/15/2011  
 Number of Days to Update: 5  
 Source: Department of Public Health  
 Telephone: 415-252-3920  
 Last EDR Contact: 02/09/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 Data Release Frequency: Quarterly

**SAN JOAQUIN COUNTY:**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 01/08/2015  
 Date Data Arrived at EDR: 01/12/2015  
 Date Made Active in Reports: 01/27/2015  
 Number of Days to Update: 15  
 Source: Environmental Health Department  
 Telephone: N/A  
 Last EDR Contact: 01/05/2015  
 Next Scheduled EDR Contact: 04/06/2015  
 Data Release Frequency: Semi-Annually

**SAN LUIS OBISPO COUNTY:**

CUPA Facility List

Cupa Facility List.

Date of Government Version: 02/23/2015  
 Date Data Arrived at EDR: 02/24/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 7  
 Source: San Luis Obispo County Public Health Department  
 Telephone: 805-781-5596  
 Last EDR Contact: 02/23/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 Data Release Frequency: Varies

**SAN MATEO COUNTY:**

Business Inventory

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

Date of Government Version: 01/09/2015  
 Date Data Arrived at EDR: 01/12/2015  
 Date Made Active in Reports: 02/03/2015  
 Number of Days to Update: 22  
 Source: San Mateo County Environmental Health Services Division  
 Telephone: 650-363-1921  
 Last EDR Contact: 12/15/2014  
 Next Scheduled EDR Contact: 03/30/2015  
 Data Release Frequency: Annually

Fuel Leak List

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

Date of Government Version: 12/15/2014  
 Date Data Arrived at EDR: 12/18/2014  
 Date Made Active in Reports: 01/26/2015  
 Number of Days to Update: 39  
 Source: San Mateo County Environmental Health Services Division  
 Telephone: 650-363-1921  
 Last EDR Contact: 12/11/2014  
 Next Scheduled EDR Contact: 03/30/2015  
 Data Release Frequency: Semi-Annually

**SANTA BARBARA COUNTY:**

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011  
 Date Data Arrived at EDR: 09/09/2011  
 Date Made Active in Reports: 10/07/2011  
 Number of Days to Update: 28  
 Source: Santa Barbara County Public Health Department  
 Telephone: 805-686-8167  
 Last EDR Contact: 02/23/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 Data Release Frequency: Varies

**SANTA CLARA COUNTY:**

Cupa Facility List

Cupa facility list

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

Date of Government Version: 02/23/2015  
 Date Data Arrived at EDR: 02/25/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 6

Source: Department of Environmental Health  
 Telephone: 408-918-1973  
 Last EDR Contact: 02/23/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 Data Release Frequency: Varies

**HIST LUST - Fuel Leak Site Activity Report**

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
 Date Data Arrived at EDR: 03/30/2005  
 Date Made Active in Reports: 04/21/2005  
 Number of Days to Update: 22

Source: Santa Clara Valley Water District  
 Telephone: 408-265-2600  
 Last EDR Contact: 02/23/2009  
 Next Scheduled EDR Contact: 06/22/2009  
 Data Release Frequency: No Update Planned

**LOP Listing**

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014  
 Date Data Arrived at EDR: 03/05/2014  
 Date Made Active in Reports: 03/18/2014  
 Number of Days to Update: 13

Source: Department of Environmental Health  
 Telephone: 408-918-3417  
 Last EDR Contact: 02/23/2015  
 Next Scheduled EDR Contact: 06/15/2015  
 Data Release Frequency: Annually

**Hazardous Material Facilities**

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 02/23/2015  
 Date Data Arrived at EDR: 02/24/2015  
 Date Made Active in Reports: 03/04/2015  
 Number of Days to Update: 8

Source: City of San Jose Fire Department  
 Telephone: 408-535-7694  
 Last EDR Contact: 02/23/2015  
 Next Scheduled EDR Contact: 05/25/2015  
 Data Release Frequency: Annually

**SANTA CRUZ COUNTY:**

**CUPA Facility List**

CUPA facility listing.

Date of Government Version: 11/24/2014  
 Date Data Arrived at EDR: 11/25/2014  
 Date Made Active in Reports: 12/31/2014  
 Number of Days to Update: 36

Source: Santa Cruz County Environmental Health  
 Telephone: 831-464-2761  
 Last EDR Contact: 02/23/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 Data Release Frequency: Varies

**SHASTA COUNTY:**

**CUPA Facility List**

Cupa Facility List.

Date of Government Version: 12/09/2014  
 Date Data Arrived at EDR: 12/11/2014  
 Date Made Active in Reports: 01/23/2015  
 Number of Days to Update: 43

Source: Shasta County Department of Resource Management  
 Telephone: 530-225-5789  
 Last EDR Contact: 02/23/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 Data Release Frequency: Varies

**SOLANO COUNTY:**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**Leaking Underground Storage Tanks**

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

Date of Government Version: 11/17/2014  
 Date Data Arrived at EDR: 11/24/2014  
 Date Made Active in Reports: 01/05/2015  
 Number of Days to Update: 42

Source: Solano County Department of Environmental Management  
 Telephone: 707-784-6770  
 Last EDR Contact: 12/11/2014  
 Next Scheduled EDR Contact: 03/30/2015  
 Data Release Frequency: Quarterly

**Underground Storage Tanks**

Underground storage tank sites located in Solano county.

Date of Government Version: 11/17/2014  
 Date Data Arrived at EDR: 12/01/2014  
 Date Made Active in Reports: 01/27/2015  
 Number of Days to Update: 57

Source: Solano County Department of Environmental Management  
 Telephone: 707-784-6770  
 Last EDR Contact: 12/11/2014  
 Next Scheduled EDR Contact: 03/30/2015  
 Data Release Frequency: Quarterly

**SONOMA COUNTY:**

**Cupa Facility List**

Cupa Facility list

Date of Government Version: 01/06/2015  
 Date Data Arrived at EDR: 01/09/2015  
 Date Made Active in Reports: 02/05/2015  
 Number of Days to Update: 27

Source: County of Sonoma Fire & Emergency Services Department  
 Telephone: 707-565-1174  
 Last EDR Contact: 12/29/2014  
 Next Scheduled EDR Contact: 04/13/2015  
 Data Release Frequency: Varies

**Leaking Underground Storage Tank Sites**

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

Date of Government Version: 01/02/2015  
 Date Data Arrived at EDR: 01/06/2015  
 Date Made Active in Reports: 02/03/2015  
 Number of Days to Update: 28

Source: Department of Health Services  
 Telephone: 707-565-6565  
 Last EDR Contact: 12/29/2014  
 Next Scheduled EDR Contact: 04/13/2015  
 Data Release Frequency: Quarterly

**SUTTER COUNTY:**

**Underground Storage Tanks**

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/08/2014  
 Date Data Arrived at EDR: 12/08/2014  
 Date Made Active in Reports: 01/27/2015  
 Number of Days to Update: 50

Source: Sutter County Department of Agriculture  
 Telephone: 530-822-7500  
 Last EDR Contact: 03/09/2015  
 Next Scheduled EDR Contact: 06/22/2015  
 Data Release Frequency: Semi-Annually

**TUOLUMNE COUNTY:**

**CUPA Facility List**

Cupa facility list

Date of Government Version: 01/30/2015  
 Date Data Arrived at EDR: 02/03/2015  
 Date Made Active in Reports: 02/27/2015  
 Number of Days to Update: 24

Source: Division of Environmental Health  
 Telephone: 209-533-5633  
 Last EDR Contact: 01/26/2015  
 Next Scheduled EDR Contact: 05/11/2015  
 Data Release Frequency: Varies

**VENTURA COUNTY:**

**GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING**

**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: 01/27/2015  
 Date Data Arrived at EDR: 02/19/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 12

Source: Ventura County Environmental Health Division  
 Telephone: 805-654-2813  
 Last EDR Contact: 02/19/2015  
 Next Scheduled EDR Contact: 06/01/2015  
 Data Release Frequency: Quarterly

**Inventory of Illegal Abandoned and Inactive Sites**

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011  
 Date Data Arrived at EDR: 12/01/2011  
 Date Made Active in Reports: 01/19/2012  
 Number of Days to Update: 49

Source: Environmental Health Division  
 Telephone: 805-654-2813  
 Last EDR Contact: 01/05/2015  
 Next Scheduled EDR Contact: 04/20/2015  
 Data Release Frequency: Annually

**Listing of Underground Tank Cleanup Sites**

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008  
 Date Data Arrived at EDR: 06/24/2008  
 Date Made Active in Reports: 07/31/2008  
 Number of Days to Update: 37

Source: Environmental Health Division  
 Telephone: 805-654-2813  
 Last EDR Contact: 02/16/2015  
 Next Scheduled EDR Contact: 06/01/2015  
 Data Release Frequency: Quarterly

**Medical Waste Program List**

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/29/2014  
 Date Data Arrived at EDR: 01/30/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 32

Source: Ventura County Resource Management Agency  
 Telephone: 805-654-2813  
 Last EDR Contact: 01/26/2015  
 Next Scheduled EDR Contact: 05/11/2015  
 Data Release Frequency: Quarterly

**Underground Tank Closed Sites List**

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

Date of Government Version: 11/26/2014  
 Date Data Arrived at EDR: 12/15/2014  
 Date Made Active in Reports: 02/02/2015  
 Number of Days to Update: 49

Source: Environmental Health Division  
 Telephone: 805-654-2813  
 Last EDR Contact: 12/15/2014  
 Next Scheduled EDR Contact: 03/30/2015  
 Data Release Frequency: Quarterly

**YOLO COUNTY:**

**Underground Storage Tank Comprehensive Facility Report**

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/18/2014  
 Date Data Arrived at EDR: 12/23/2014  
 Date Made Active in Reports: 01/27/2015  
 Number of Days to Update: 35

Source: Yolo County Department of Health  
 Telephone: 530-666-8646  
 Last EDR Contact: 12/18/2014  
 Next Scheduled EDR Contact: 04/06/2015  
 Data Release Frequency: Annually

**YUBA COUNTY:**

**CUPA Facility List**

CUPA facility listing for Yuba County.

Date of Government Version: 02/17/2015  
 Date Data Arrived at EDR: 02/19/2015  
 Date Made Active in Reports: 03/03/2015  
 Number of Days to Update: 12

Source: Yuba County Environmental Health Department  
 Telephone: 530-749-7523  
 Last EDR Contact: 02/16/2015  
 Next Scheduled EDR Contact: 05/18/2015  
 Data Release Frequency: Varies

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**CT MANIFEST: Hazardous Waste Manifest Data**

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013  
 Date Data Arrived at EDR: 08/19/2013  
 Date Made Active in Reports: 10/03/2013  
 Number of Days to Update: 45

Source: Department of Energy & Environmental Protection  
 Telephone: 860-424-3375  
 Last EDR Contact: 11/17/2014  
 Next Scheduled EDR Contact: 03/02/2015  
 Data Release Frequency: No Update Planned

**NJ MANIFEST: Manifest Information**

Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
 Date Data Arrived at EDR: 07/19/2012  
 Date Made Active in Reports: 08/28/2012  
 Number of Days to Update: 40

Source: Department of Environmental Protection  
 Telephone: N/A  
 Last EDR Contact: 01/12/2015  
 Next Scheduled EDR Contact: 04/27/2015  
 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: 01/01/2015  
 Date Data Arrived at EDR: 02/04/2015  
 Date Made Active in Reports: 02/27/2015  
 Number of Days to Update: 23

Source: Department of Environmental Conservation  
 Telephone: 518-402-8651  
 Last EDR Contact: 02/04/2015  
 Next Scheduled EDR Contact: 05/18/2015  
 Data Release Frequency: Annually

**PA MANIFEST: Manifest Information**

Hazardous waste manifest information.

Date of Government Version: 12/31/2013  
 Date Data Arrived at EDR: 07/21/2014  
 Date Made Active in Reports: 08/25/2014  
 Number of Days to Update: 35

Source: Department of Environmental Protection  
 Telephone: 717-783-8990  
 Last EDR Contact: 01/19/2015  
 Next Scheduled EDR Contact: 05/04/2015  
 Data Release Frequency: Annually

**RI MANIFEST: Manifest information**

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
 Date Data Arrived at EDR: 07/15/2014  
 Date Made Active in Reports: 08/13/2014  
 Number of Days to Update: 29

Source: Department of Environmental Management  
 Telephone: 401-222-2797  
 Last EDR Contact: 02/23/2015  
 Next Scheduled EDR Contact: 06/08/2015  
 Data Release Frequency: Annually



**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

**HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE**

Target Property County: RIVERSIDE, CA  
 FEMA Flood Electronic Data: YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06065C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

**NATIONAL WETLAND INVENTORY**

NWI Quad at Target Property: NOT AVAILABLE  
 NWI Electronic Data Coverage: YES - refer to the Overview Map and Detail Map

**HYDROGEOLOGIC INFORMATION**

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

**Site-Specific Hydrogeological Data\*:**

Search Radius: 1.25 miles  
 Status: Not found

**AQUIFLOW®**

Search Radius: 1,000 Mile.

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

MAP ID: Not Reported  
 LOCATION FROM TP: \_\_\_\_\_  
 GENERAL DIRECTION GROUNDWATER FLOW: \_\_\_\_\_

\* ©1998 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA reports, which were compiled under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation. TC4233142.2s Page A-3

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

**GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

**GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

**ROCK STRATIGRAPHIC UNIT**

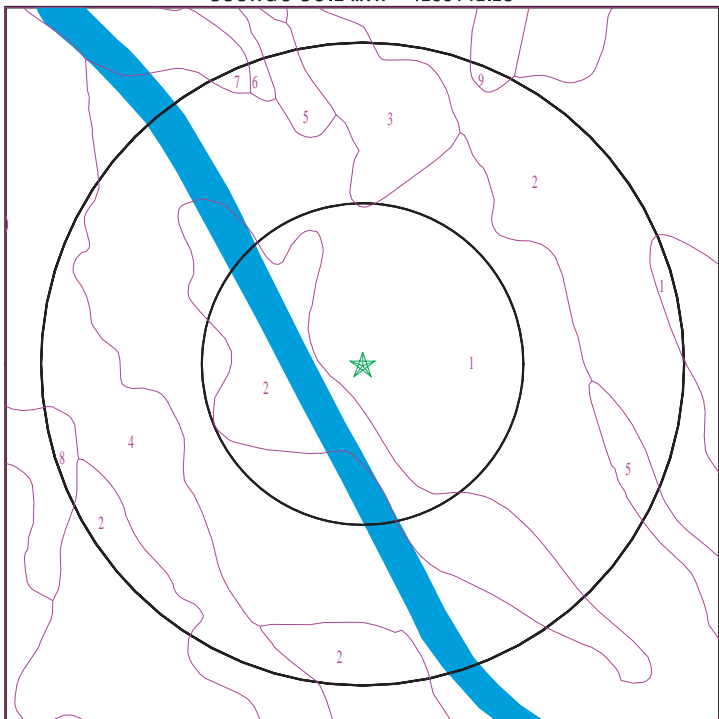
Era: Mesozoic  
 System: Cretaceous  
 Series: Cretaceous granitic rocks  
 Code: Kg (decoded above as Era, System & Series)

**GEOLOGIC AGE IDENTIFICATION**

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

**SSURGO SOIL MAP - 4233142.2s**



★ Target Property  
 ☆ SSURGO Soil  
 〰 Water

SITE NAME: Indian Business Park  
 ADDRESS: Indian Street and Kramerla Avenue  
 Moreno Valley CA 92551  
 LAT/LONG: 33.8782 / 117.2391

CLIENT: Farallon Consulting, LLC  
 CONTACT: Scott A Min  
 INQUIRY #: 4233142.2s  
 DATE: March 13, 2015 1:07 pm

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**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

**Soil Map ID: 1**

Soil Component Name: EXETER  
 Soil Surface Texture: sandy 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  
 Hydric Status: Not hydric  
 Corrosion Potential - Uncoated Steel: High  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.6
2	16 inches	37 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.8 Min: 6.6
3	37 inches	50 inches	indurated	Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:
4	50 inches	59 inches	stratified sandy loam to silt 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	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

**Soil Map ID: 2**

Soil Component Name: EXETER  
 Soil Surface Texture: sandy loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained  
 Hydric Status: Not hydric  
 Corrosion Potential - Uncoated Steel: High  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Classification			Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.6
2	16 inches	37 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.6
3	37 inches	50 inches	indurated	Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:
4	50 inches	59 inches	stratified sandy loam to silt 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: 4 Min: 1.4	Max: 8.4 Min: 7.4

**Soil Map ID: 3**

Soil Component Name: EXETER  
 Soil Surface Texture: fine sandy loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Classification			Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.6
2	16 inches	37 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 7.8 Min: 6.6
3	37 inches	50 inches	indurated	Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:
4	50 inches	59 inches	stratified sandy loam to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

**Soil Map ID: 4**

Soil Component Name: GREENFIELD  
 Soil Surface Texture: sandy loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained  
 Hydric Status: Not hydric  
 Corrosion Potential - Uncoated Steel: Low  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Classification			Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	25 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.1
2	25 inches	42 inches	fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.1
3	42 inches	59 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: 14 Min: 4	Max: 7.8 Min: 6.1
4	59 inches	72 inches	stratified loamy sand to sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 6.6

**Soil Map ID: 5**

Soil Component Name: HANFORD  
 Soil Surface Texture: coarse sandy loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Somewhat excessively drained  
 Hydric Status: Not hydric  
 Corrosion Potential - Uncoated Steel: Low  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Classification			Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	coarse sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	7 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
3	40 inches	59 inches	stratified loamy sand to coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6

**Soil Map ID: 6**

Soil Component Name: PACHAPPA  
 Soil Surface Texture: fine sandy loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained  
 Hydric Status: Not hydric  
 Corrosion Potential - Uncoated Steel: Low  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.8 Min: 6.1
2	20 inches	62 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 Soils.	Max: 14 Min: 4	Max: 7.8 Min: 6.6

**Soil Map ID: 7**

Soil Component Name: RAMONA  
 Soil Surface Texture: sandy loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained  
 Hydric Status: Not hydric  
 Corrosion Potential - Uncoated Steel: Moderate  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 5.6

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	14 inches	22 inches	fine sandy 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: 14 Min: 4	Max: 7.3 Min: 6.1
3	22 inches	68 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
4	68 inches	74 inches	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 4 Min: 1.4	Max: 8.4 Min: 6.6

**Soil Map ID: 8**

Soil Component Name: MONSERATE  
 Soil Surface Texture: sandy 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  
 Hydric Status: Not hydric  
 Corrosion Potential - Uncoated Steel: Low  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 7.3 Min: 6.1
2	9 inches	27 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4 Min: 1.4	Max: 7.3 Min: 6.1
3	27 inches	44 inches	indurated	Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:
4	44 inches	57 inches	cemented	Not reported	Not reported	Max: 0.01 Min: 0	Max: Min:
5	57 inches	70 inches	loamy coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 14 Min: 4	Max: 8.4 Min: 6.6

**Soil Map ID: 9**

Soil Component Name: HANFORD  
 Soil Surface Texture: fine sandy loam  
 Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.  
 Soil Drainage Class: Well drained  
 Hydric Status: Not hydric  
 Corrosion Potential - Uncoated Steel: Low  
 Depth to Bedrock Min: > 0 inches  
 Depth to Watertable Min: > 0 inches

**GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
2	7 inches	40 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 5.6
3	40 inches	59 inches	stratified loamy sand to coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 141 Min: 42	Max: 7.8 Min: 5.6

**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 State Database	Nearest PWS within 1 mile 1.000

**FEDERAL USGS WELL INFORMATION**

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000138695	1/2 - 1 Mile SE
2	USGS40000138759	1/2 - 1 Mile East

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

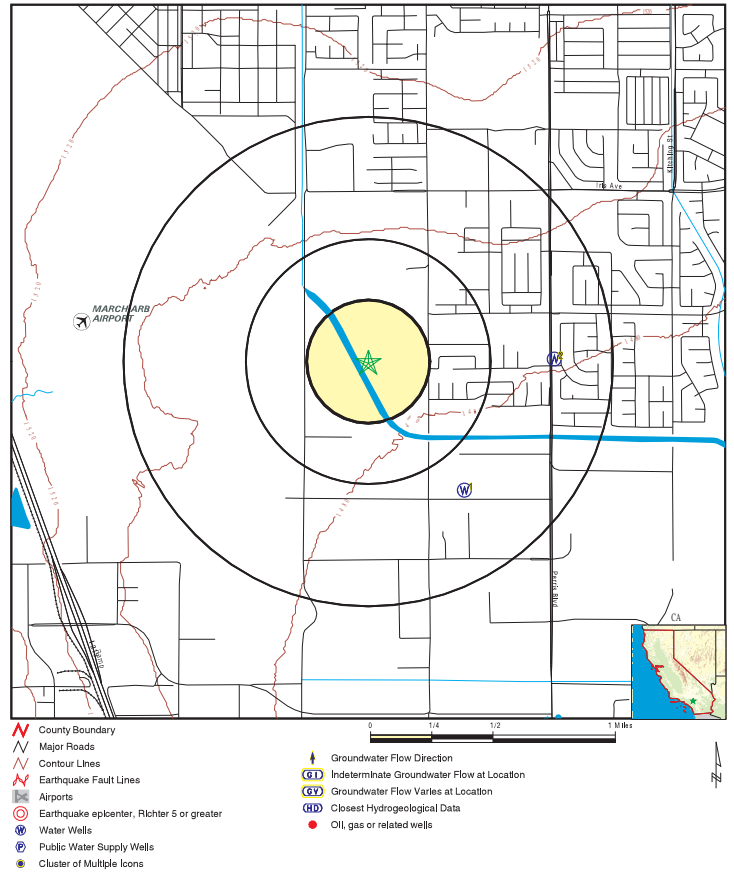
Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

TC4233142.2s Page A-15

## PHYSICAL SETTING SOURCE MAP - 4233142.2s



SITE NAME: Indian Business Park  
 ADDRESS: Indian Street and Kramerla Avenue  
 Moreno Valley CA 92551  
 LAT/LONG: 33.8782 / 117.2391

CLIENT: Farallon Consulting, LLC  
 CONTACT: Scott Allen  
 INQUIRY #: 4233142.2s  
 DATE: March 13, 2015 1:07 pm

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## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Database	EDR ID Number
Direction		
Distance		
Elevation		

**1**  
**SE**  
**1/2 - 1 Mile**  
**Lower**

FED USGS USGS40000138695

Org. Identifier:	USGS-CA	
Formal name:	USGS California Water Science Center	
Monloc Identifier:	USGS-335214117135301	
Monloc name:	003S003W31B001S	
Monloc type:	Well	
Monloc desc:	Not Reported	
Huc code:	18070202	Drainagearea value:
Drainagearea Units:	Not Reported	Contrib drainagearea:
Contrib drainagearea units:	Not Reported	Latitude:
Longitude:	-117.2322603	Sourcemap scale:
Horiz Acc measure:	Unknown	Horiz Acc measure units:
Horiz Collection method:	Interpolated from map	Unknown
Horiz coord refs:	NAD83	Vert measure val:
Vert measure units:	feet	Vertacc measure val:
Vert acc measure units:	feet	1475
Vertcollection method:	Interpolated from topographic map	
Vert coord refs:	NGVD29	Countrycode:
Aquifersname:	California Coastal Basin aquifers	US
Formation type:	Not Reported	
Aquifer type:	Not Reported	
Construction date:	Not Reported	Welldepth:
Welldepth units:	ft	350
Wellholedepth units:	Not Reported	Wellholedepth:
		Not Reported

Ground-water levels, Number of Measurements: 0

**2**  
**East**  
**1/2 - 1 Mile**  
**Lower**

FED USGS USGS40000138759

Org. Identifier:	USGS-CA	
Formal name:	USGS California Water Science Center	
Monloc Identifier:	USGS-335242117133001	
Monloc name:	003S003W29M001S	
Monloc type:	Well	
Monloc desc:	Not Reported	
Huc code:	18070202	Drainagearea value:
Drainagearea Units:	Not Reported	Contrib drainagearea:
Contrib drainagearea units:	Not Reported	Latitude:
Longitude:	-117.2258712	Sourcemap scale:
Horiz Acc measure:	1	Horiz Acc measure units:
Horiz Collection method:	Interpolated from map	seconds
Horiz coord refs:	NAD83	Vert measure val:
Vert measure units:	Not Reported	Vertacc measure val:
Vert acc measure units:	Not Reported	Not Reported
Vertcollection method:	Not Reported	
Vert coord refs:	Not Reported	Countrycode:
Aquifersname:	California Coastal Basin aquifers	US
Formation type:	Not Reported	

TC4233142.2s Page A-17

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	622
Construction date:	Not Reported	Wellholedepth:	622
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

TC4233142.2s Page A-18

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS  
RADON**

**AREA RADON INFORMATION**

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92551	4	0

Federal EPA Radon Zone for RIVERSIDE County: 2

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 RIVERSIDE COUNTY, CA

Number of sites tested: 12

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.117 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.450 pCi/L	100%	0%	0%
Basement	1.700 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 2003 & 2011 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, 2005 and 2010 from the U.S. Fish and Wildlife Service.

**HYDROGEOLOGIC INFORMATION**

AQUIFLOW<sup>®</sup> Information System

Source: EDR proprietary database of groundwater flow information  
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

**GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schubert, 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 (NCS) 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.

**OTHER STATE DATABASE INFORMATION**

**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.

**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.

**PHYSICAL SETTING SOURCE RECORDS SEARCHED**

**STREET AND ADDRESS INFORMATION**

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**APPENDIX F**  
**MARCH AIR FORCE BASE FIGURES**

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT  
Indian Business Park  
Indian Street and Krameria Avenue  
Moreno Valley, California

Farallon PN: 1071-007 (Task 6)

**FINAL**  
**2011-2012 ANNUAL MONITORING REPORT**  
**LONG-TERM GROUNDWATER MONITORING PROGRAM**  
**MARCH AIR RESERVE BASE AND**  
**FORMER MARCH AIR FORCE BASE, CALIFORNIA**

**Prepared for:**



**Air Force Civil Engineer Center (AFCEC)**  
**2261 Hughes Avenue, Suite 155**  
**Lackland Air Force Base, Texas 78236-9853**

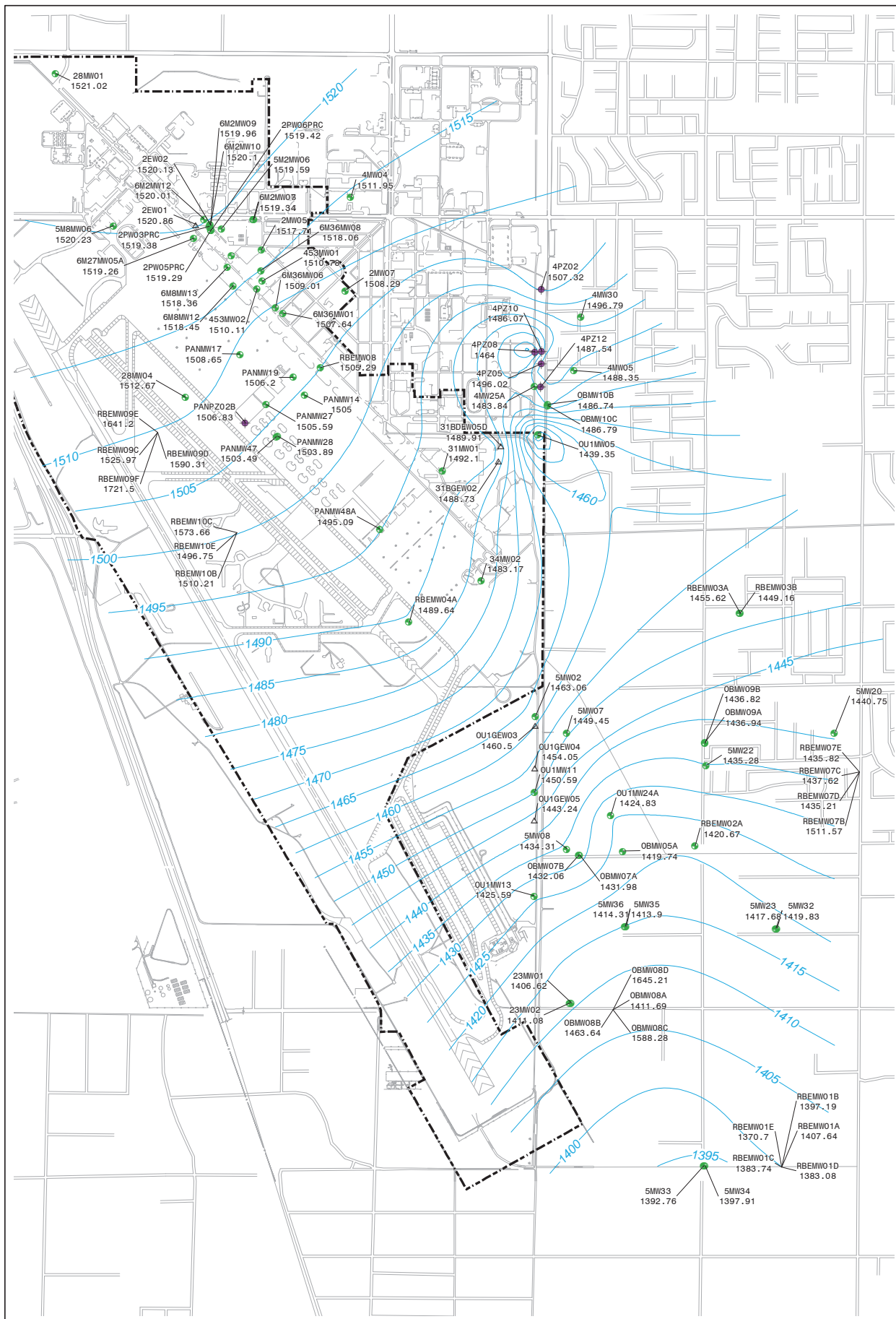
**Contract No. FA8903-09-D-8547-0007**  
**Project No. 60271680-0009AG**

**CDRL No. A001n**

**Prepared by:**

**AECOM Technical Services, Inc. (AECOM)**  
**999 W. Town and Country Road**  
**Orange, California 92868**

**December 09, 2013**



**LEGEND**

— FOURTH QUARTER 2011 GROUNDWATER ELEVATION CONTOURS (FT MSL)

- - - BASE PROPERTY LINE

**GROUNDWATER WELLS**

△ EXTRACTION WELL

● MONITORING WELL

◆ PIEZOMETER

**ABBREVIATIONS**

AECOM AECOM TECHNICAL SERVICES, INC.

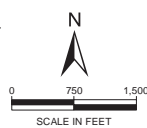
AFB AIR FORCE BASE

AGMR ANNUAL GROUNDWATER MONITORING REPORT

ARB AIR RESERVE BASE

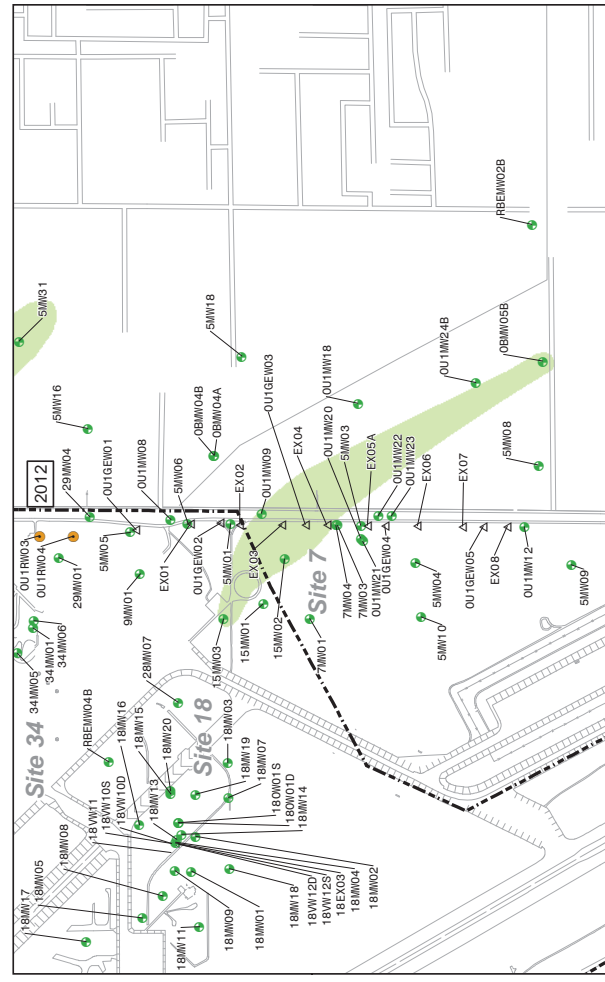
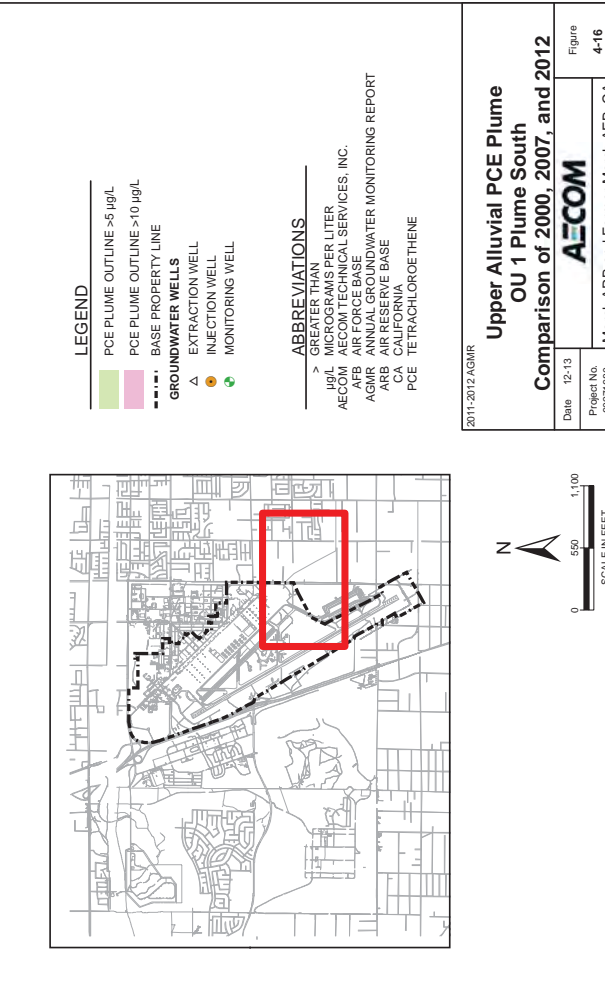
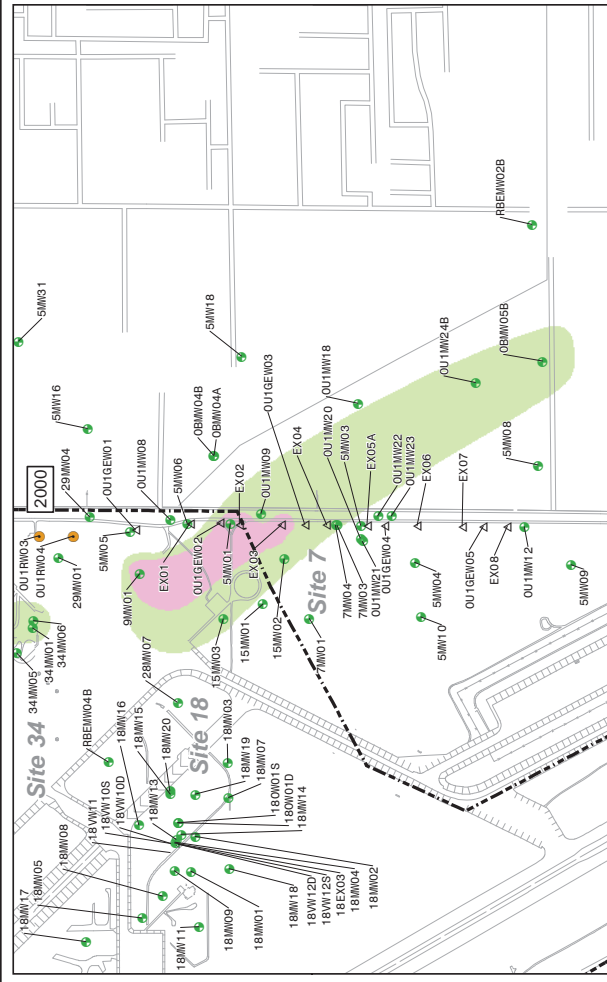
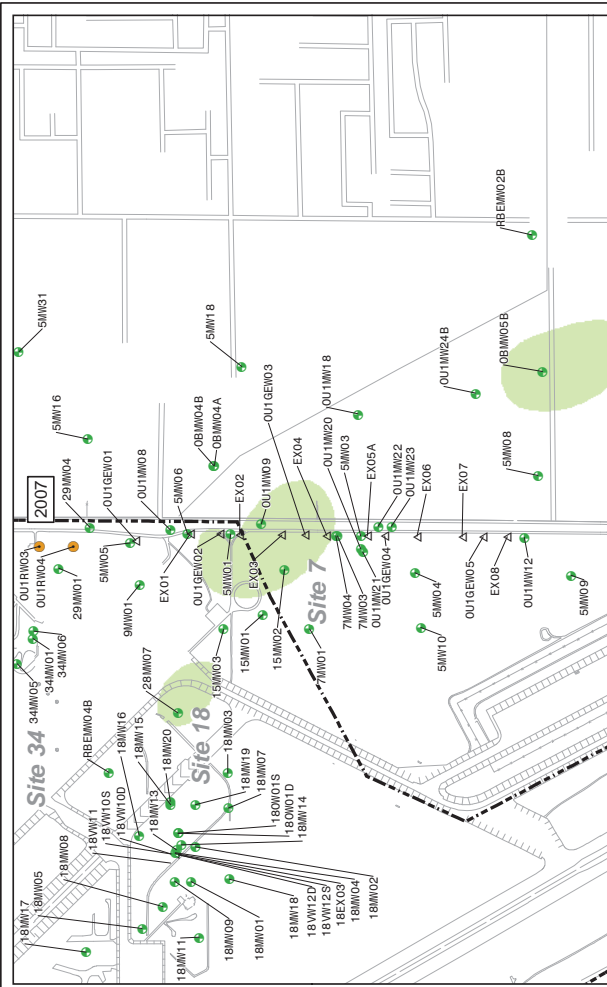
CA CALIFORNIA

FT MSL FEET MEAN SEA LEVEL



2011-2012 AGMR		<b>Lower Alluvial Basewide Potentiometric Surface Map Fourth Quarter 2011</b>	
Date	04-13	<b>AECOM</b>	Figure
Project No.	60271680		March ARB and Former March AFB, CA

File: Q:\March\_AFB\Project\AGMR\_2011\_2012\B9780tga.mxd  
Date: Thursday, April 18, 2013 3:49:51 PM



**LEGEND**

- PCE PLUME OUTLINE >5 µg/L
- PCE PLUME OUTLINE >10 µg/L
- BASE PROPERTY LINE
- GROUNDWATER WELLS
- EXTRACTION WELL
- INJECTION WELL
- MONITORING WELL

**ABBREVIATIONS**

- > GREATER THAN
- µg/L MICROGRAMS PER LITER
- AECOM AECOM TECHNICAL SERVICES, INC.
- AFB AIR FORCE BASE
- AGMR ANNUAL GROUNDWATER MONITORING REPORT
- ARB AIR RESOURCES BOARD
- CA CALIFORNIA
- PCE TETRACHLOROETHENE

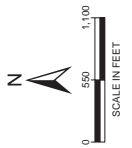
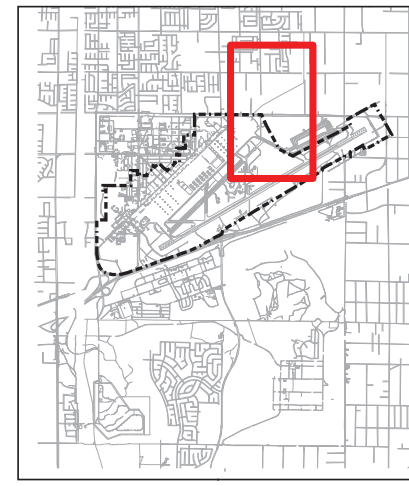
2011-2012 AGMR

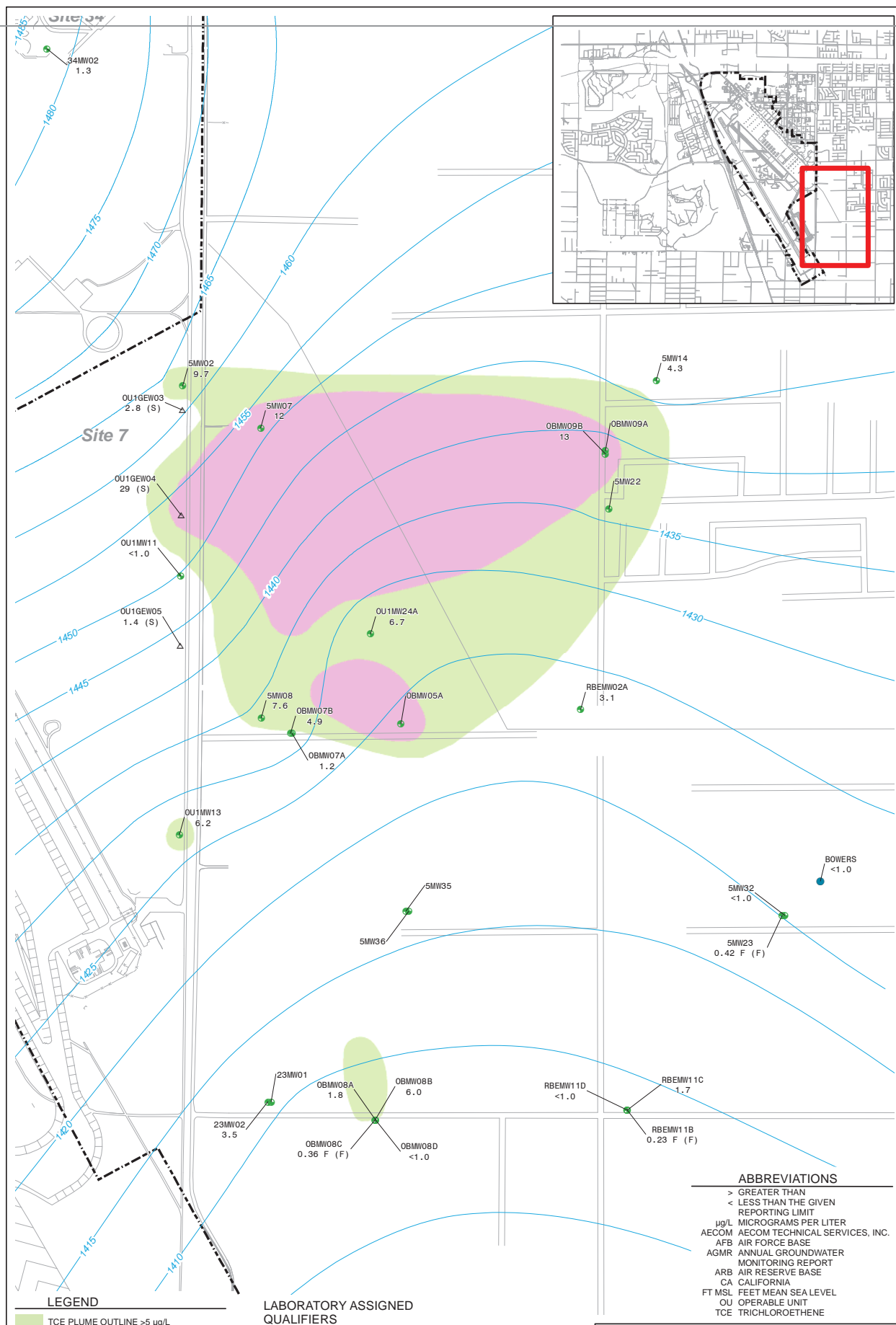
**Upper Alluvial PCE Plume  
OU 1 Plume South  
Comparison of 2000, 2007, and 2012**

Date 12-13  
Project No. 6027680  
March ARB and Former March AFB, CA

**AECOM**

Figure  
4-16





**LEGEND**

- TCE PLUME OUTLINE >5 µg/L
- TCE PLUME OUTLINE >10 µg/L
- SECOND QUARTER 2012 GROUNDWATER ELEVATION CONTOURS (FT MSL)
- BASE PROPERTY LINE
- GROUNDWATER WELLS
- EXTRACTION WELL
- MONITORING WELL
- PRIVATE WELL

**LABORATORY ASSIGNED QUALIFIERS**

F INDICATES THAT THE ANALYTE IS POSITIVELY IDENTIFIED AND THE RESULT IS LESS THAN THE REPORTING LIMIT BUT GREATER THAN METHOD DETECTION LIMIT

(F) THE COMPOUND WAS POSITIVELY IDENTIFIED BUT THE ASSOCIATED NUMERICAL VALUE IS BELOW THE PRACTICAL QUANTIFICATION LIMIT

**DATA VALIDATION QUALIFIERS**

(S) SCREENING DATA (RESULT NOT VALIDATED)

N

0 300 600

SCALE IN FEET

**ABBREVIATIONS**

- > GREATER THAN
- < LESS THAN THE GIVEN REPORTING LIMIT
- µg/L MICROGRAMS PER LITER
- AECOM AECOM TECHNICAL SERVICES, INC.
- AFB AIR FORCE BASE
- AGMR ANNUAL GROUNDWATER MONITORING REPORT
- ARB AIR RESERVE BASE
- CA CALIFORNIA
- FT MSL FEET MEAN SEA LEVEL
- OU OPERABLE UNIT
- TCE TRICHLOROETHENE

2011-2012 AGMR

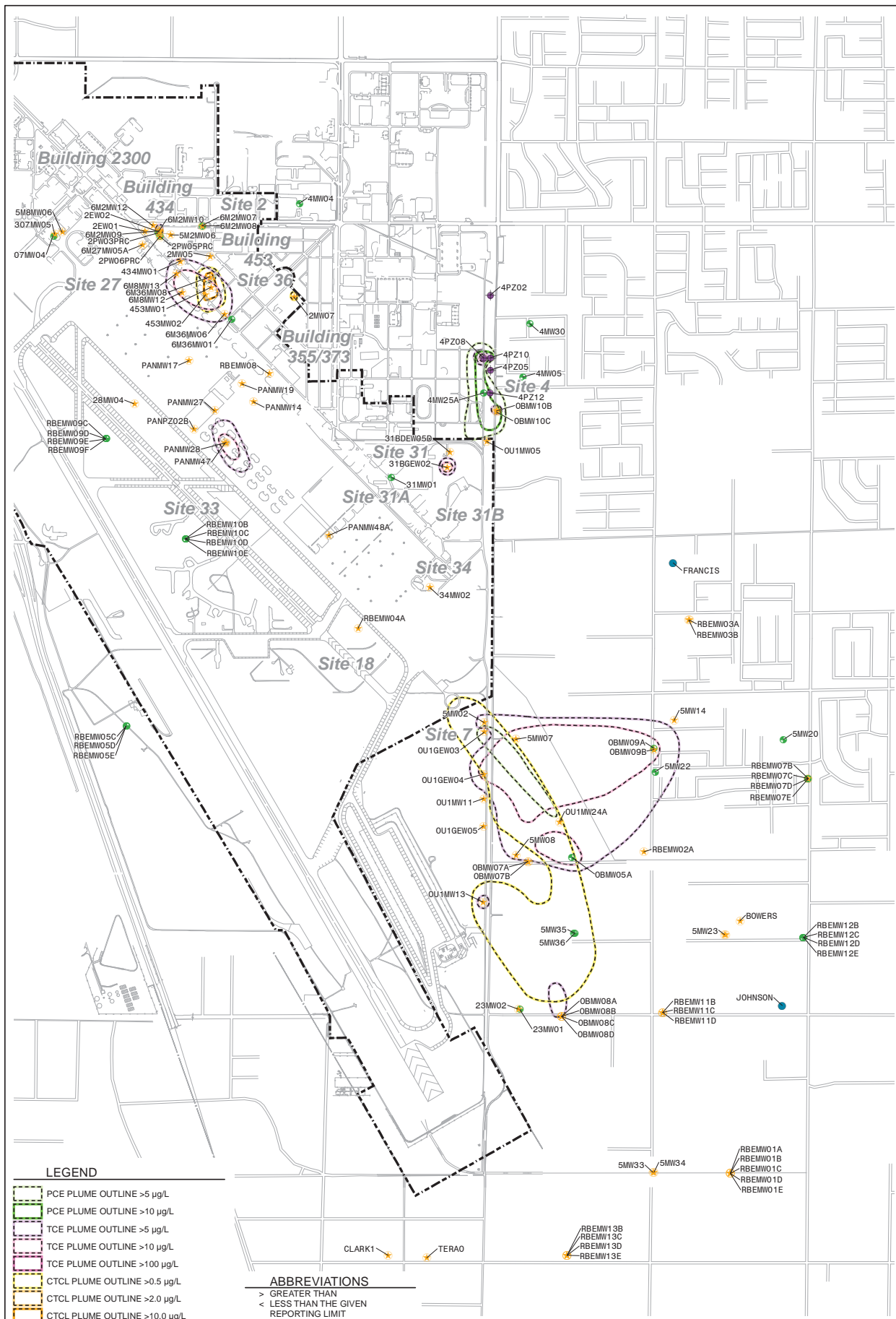
**Lower Alluvial TCE Plume  
OU 1 Plume  
2nd Quarter 2012**

Date 04-13

Project No. 60271680

March ARB and Former March AFB, CA

Figure 4-17



**LEGEND**

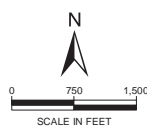
- PCE PLUME OUTLINE >5 µg/L
- PCE PLUME OUTLINE >10 µg/L
- TCE PLUME OUTLINE >5 µg/L
- TCE PLUME OUTLINE >10 µg/L
- TCE PLUME OUTLINE >100 µg/L
- CTCL PLUME OUTLINE >0.5 µg/L
- CTCL PLUME OUTLINE >2.0 µg/L
- CTCL PLUME OUTLINE >10.0 µg/L
- BASE PROPERTY LINE

**GROUNDWATER WELLS**

- ▲ EXTRACTION WELL
- INJECTION WELL
- MONITORING WELL
- PIEZOMETER
- PRIVATE WELL
- ★ WELL SAMPLED IN 2Q 2012

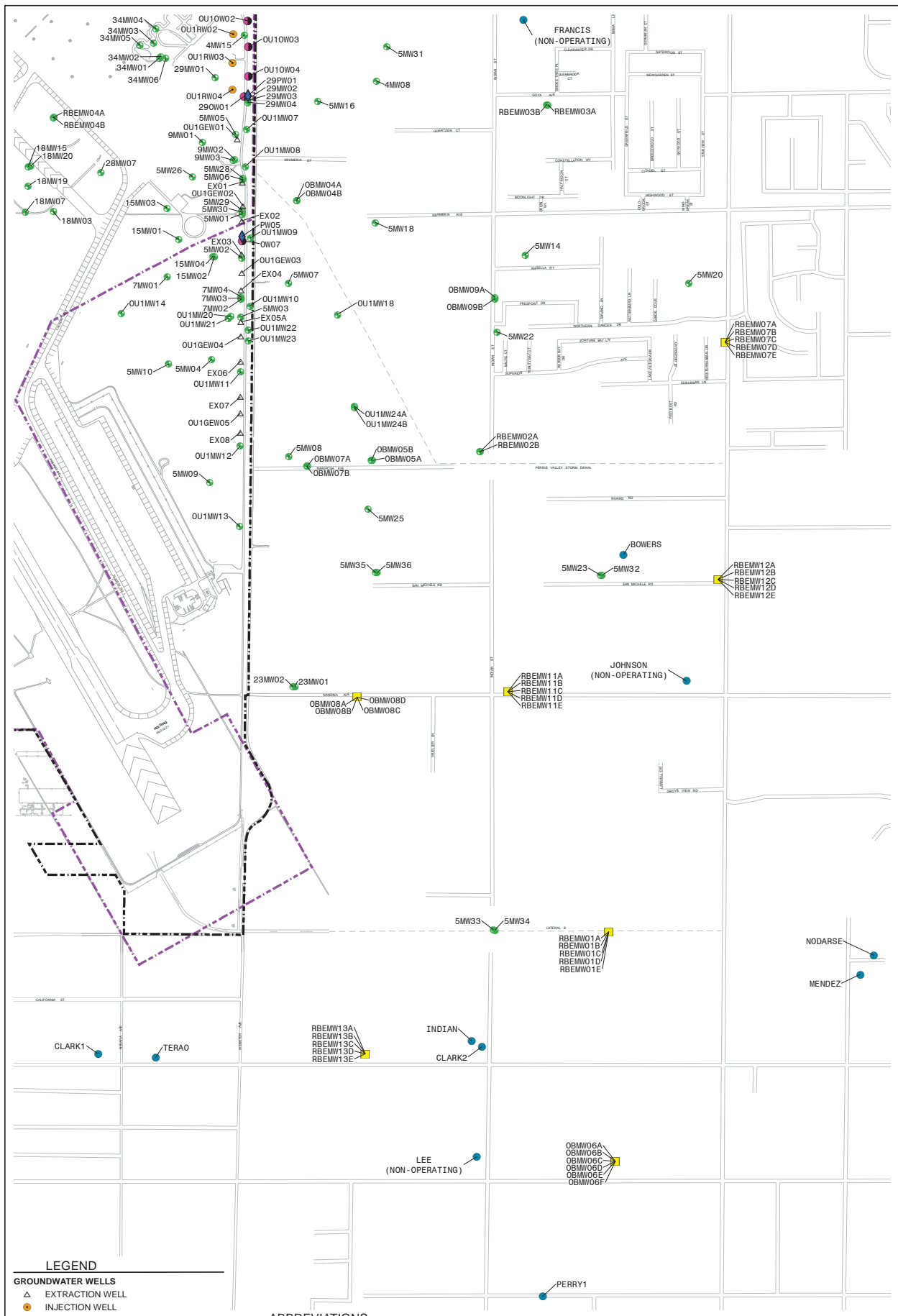
**ABBREVIATIONS**

- > GREATER THAN
- < LESS THAN THE GIVEN
- REPORTING LIMIT
- µg/L MICROGRAMS PER LITER
- 2Q SECOND QUARTER
- AECOM AECOM TECHNICAL SERVICES, INC.
- AFB AIR FORCE BASE
- AGMR ANNUAL GROUNDWATER MONITORING REPORT
- ARB AIR RESERVE BASE
- CA CALIFORNIA
- CTCL CARBON TETRACHLORIDE
- FT MSL FEET MEAN SEA LEVEL
- PCE TETRACHLOROETHENE
- TCE TRICHLOROETHENE



2011-2012 AGMR		<b>Basewide Lower Alluvial Chlorinated Solvent Plumes 2nd Quarter 2012</b>	
Date	12-13	<b>AECOM</b>	Figure
Project No.	60271680	March ARB and Former March AFB, CA	3-4

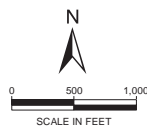
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- LEGEND**
- △ GROUNDWATER WELLS
  - EXTRACTION WELL
  - INJECTION WELL
  - MONITORING WELL
  - PIEZOMETER
  - WATER SUPPLY WELL (NON-OPERATING WHERE NOTED)
  - WESTBAY WELL
  - ◆ PUMPING WELL
  - OBSERVATION WELL
  - FORMER MARCH AFB BASE BOUNDARY
  - MARCH ARB BOUNDARY

**ABBREVIATIONS**

AECOM AECOM TECHNICAL SERVICES, INC.  
 AFB AIR FORCE BASE  
 AGMR ANNUAL GROUNDWATER MONITORING REPORT  
 ARB AIR RESERVE BASE  
 CA CALIFORNIA



2011-2012 AGMR		<b>Off-Base Water Supply Well Location Map</b>	
Date	04-13		
Project No. 60271680		<b>AECOM</b>	
March ARB and Former March AFB, CA		Figure 1-4	