

# Appendix C. Air Quality Technical Report



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8minute Solar Energy, LLC  
5455 Wilshire Boulevard, Suite 2010  
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Contact: Alexander Sundquist

**Subject: General Conformity Applicability Analysis and Greenhouse Gas Evaluation for Transmission Line Easement, Unincorporated Kern County and San Bernardino County, California**

Dear Mr. Sundquist:

Rincon Consultants has prepared this General Conformity Applicability Analysis and Greenhouse Gas Evaluation (GHG) for a proposed transmission line easement within Corridor 5 of the Utility Corridor Area Development Plan (ADP) that is overseen by the Edwards Air Force Base (AFB) (herein referred to as “proposed action” or “project”).

The federal Clean Air Act (CAA) requires that a federal agency taking an action, including funding an action, must make a determination that its action would not conflict with a State Implementation Plan (SIP). As part of the implementation of the CAA, the United States Environmental Protection Agency (USEPA) has developed rules for transportation projects and non-transportation projects. The rule applicable to the project is referred to as the “General Conformity Rule.” The federal action in this case is the construction, operation, maintenance, and decommissioning of a gen-tie line within a utility corridor overseen by the Edwards AFB. The United States Air Force must respond to 8minute Solar Energy’s application for the right of way (ROW) to construct, operate, maintain, and decommission the proposed action. The purpose of this letter is to evaluate the proposed action’s conformity to the applicable SIP and consistency with the CAA General Conformity Rule in support of this application. The GHG emissions associated with the proposed action are also assessed qualitatively in this letter pursuant to the requirements of the Air Force Manual 32-7002. This analysis was performed in accordance with the General Conformity Rule (40 Code of Federal Regulations [CFR] Subpart B), the Environmental Impact Analysis Process (EIAP, 32 CFR 989), and the USAF Manual 32-7002 Environmental Compliance and Pollution Prevention requirements. This environmental analysis also tiers off the Environmental Assessment prepared for the Proposed Utility Corridor at Edwards AFB in July 2016.<sup>1</sup>

## Project Description

The project site is located in in both unincorporated Kern County and San Bernardino County near the community of Boron and Kramer Substation. The project area straddles State Route 58 between

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<sup>1</sup> 412<sup>th</sup> Test Wing Civil Engineer Group, Environmental Management Division, Edwards AFB, California. 2016. Environmental Assessment for Proposed Utility Corridors at Edwards Air Force Base California. July. <https://apps.dtic.mil/sti/pdfs/AD1024275.pdf> (accessed April 2021).



Gephart Road on the west and San Bernardino County line on the east. Edwards AFB is approximately 10 miles southwest of the nearest project boundary.

The purpose of the Proposed Action is to facilitate transmission of the energy produced at 8minute Solar Energy's Aratina Solar Farm to the statewide electrical grid. The proposed transmission gen-tie line would connect the Aratina Solar Farm to the existing Southern California Edison (SCE) Kramer Substation to the east, located at the southwest corner of State Route 58 and State Route 395.

Power generated by the Aratina Solar Farm would be delivered from the project's onsite substation to the existing SCE Kramer Substation via an up to 6.5-mile 230 kilovolt (kV) electrical transmission line. There would be a total of 53 transmission support structures erected with the right of way, which would be spaced 500 feet to 700 feet apart. The transmission structure heights would be generally 125 feet above ground with a minimum ground clearance of 30 feet. Communications cable or fiber cable would be installed within a trench that runs parallel with the transmission line. The proposed 230 kV line would be located entirely within the existing Edwards AFB Utility Corridor 5. The proposed 230 kV line would be located immediately south of the existing SCE overhead transmission line and direct road that spans east to west along a portion of this corridor. This allows for maximum use of existing dirt roads to minimize new ground disturbance.

### Required Minimization Measures

Because the project would involve constructing a transmission line in the Edwards AFB utility corridor, it would be required to implement the minimization measures identified in the Environmental Assessment prepared for the utility corridor in July 2016.<sup>2</sup> The minimization measures are as follows:

- **MM AIR-1:** Project activities shall comply with all applicable rules and regulations as identified in Air Force Instruction (AFI) 32-7040, Air Quality Compliance and Resource Management.<sup>3</sup>
- **MM AIR-2:** The project shall comply with all applicable Eastern Kern Air Pollution Control District (EKAPCD), Mojave Desert Air Quality Management (MDAQMD), or Antelope Valley Air Quality Management District (AVAQMD) rules and regulations and obtain the necessary air quality permits. Emissions from permitted devices and activities must be tracked and reported to the California Air Resource Board (CARB), the appropriate air district and the USEPA. Air quality permits, if required, shall be coordinated through the Environmental Management Division. The Environmental Management Division is the lead agency for the application and maintenance of air quality permits on Edwards AFB. Very few, if any, air quality permits would be required for this project as the majority of emissions will be due to mobile sources.
- **MM AIR-3:** All stationary engines (emergency generators and fire water pumps) must be certified to the appropriate EPA Tier IV rating and CARB Executive Order emission standards. All stationary engines regardless of horsepower rating need to comply with NESHAPS maintenance requirements for oil, air filter, and hose changes at least once every year. Any stationary engine with a rating of 50 brake horsepower and greater must have an air quality permit prior to operation. (40 CFR 60.4204-5, 60.4231; EKAPCD Rule 427.V-VI (40 CFR 63.6625; 13 CCR 2451.c.3, 17 CCR 93115.6 – 10; EKAPCD 427)

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<sup>2</sup> Ibid

<sup>3</sup> AFI 32-7040 has been superseded by AFMAN 32-7002. The project activities would comply with the rules and regulations from AFMAN 32-7002.



- **MM AIR-4:** The proposed project shall not discharge from any source whatsoever, such quantities of air contaminants or other material that would: cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public; endanger the comfort, repose, health or safety of any such persons or the public; or cause or have a natural tendency to cause injury or damage to business or property.
- **MM AIR-5:** All earthwork activities shall be planned and conducted to minimize the duration that soils would be left unprotected. The extent of the area of disturbance necessary to accomplish the project shall be minimized. Exposed surfaces shall be periodically sprayed with water.
- **MM AIR-6:** Visible emissions (e.g., dust or smoke) from the proposed projects shall not exceed the limitations as outlined by the local air district.
- **MM AIR-7:** Apply water or dust suppressants to roads and open areas where dust is being generated. If winds produce excessive visible emissions, erect wind barriers. Do not grade or till compacted dirt without applying water or dust suppressant.
- **MM AIR-8:** Discontinue grading and other ground-disturbing activities at wind speeds exceeding 25 miles per hour.
- **MM AIR-9:** All vehicles transporting fill material or debris shall be covered to reduce particulate matter with a diameter of 2.5 or less (PM<sub>2.5</sub>) and particulate matter with a diameter of 10 or less (PM<sub>10</sub>) emissions during transport.
- **MM AIR-10:** Temporary coverings must be installed over open storage piles.
- **MM AIR-11:** All mechanical and construction equipment shall be kept in good working order according to applicable technical orders and the manufacturer's equipment maintenance manuals to reduce emissions to acceptable levels.
- **MM AIR-12:** The following dust control measures will be implemented during land preparation (i.e., clearing, grading, etc.), excavation and/or post-construction:
  - All soil excavated or graded should be sufficiently watered to prevent excessive dust. Watering should occur as needed with complete coverage of disturbed soil areas.
  - Watering should be a minimum of twice daily on unpaved/untreated roads and on disturbed soil areas with active operations.
  - All clearing, grading, earth moving and excavation activities shall cease during periods of winds greater than 20 miles per hour (averaged over one hour), if disturbed material is easily windblown or when dust plumes of 20 percent or greater opacity impact public roads, occupied structures or neighboring property.
  - All fine material transported off site should be either sufficiently watered or securely covered to prevent excessive dust.
  - All haul trucks should be required to exit the site via an access point where a gravel pad or grizzly has been installed.
  - Stockpiles of soil or other fine loose material shall be stabilized by watering or other appropriate method to prevent wind-blown fugitive dust.
  - Once clearing or grading has ceased, all inactive soil areas within the project area shall either be seeded and watered until plant growth is evident, treated with a dust palliative or watered twice daily until soil has sufficiently crusted to prevent fugitive dust emission.



- On-site vehicle speed should be limited to 15 miles per hour.
- All areas with vehicle traffic should be paved, treated with dust palliatives, or watered a minimum of twice daily.
- Streets adjacent to the project site should be kept clean and accumulated silt removed.
- Revegetation/restoration shall be required based on the level of disturbance created from project activities. Revegetation/restoration shall be in accordance with the Edwards Air Force Base Revegetation Plan.<sup>4</sup>
- **MM AIR-13:** The following measures should be implemented to control construction vehicle tailpipe emissions:
  - Properly maintain and tune all internal combustion engine powered equipment;
  - Require employees and subcontractors to comply with the CARB idling restrictions for compression ignition engines; and
  - Use CARB diesel fuel;
  - Owners and/ or operators of in-use off-road diesel, gasoline, liquefied petroleum gas (LPG), and other alternate fuels vehicles rated 25 horsepower (hp) or greater (i.e. loaders, crawlers tractors, skid steers, backhoes, forklifts, etc.) and portable engines rated 50 hp or greater must meet current emission standards and fleet requirements pursuant to California Air Resources Board (CARB) regulations. The equipment must be registered under the Diesel Off-road Online Reporting System (DOORS), Portable Equipment Registration Program (PERP), or maintain a local permit. New equipment must be certified to an appropriate EPA Tier rating and CARB Executive Order emission standards. For any portable engine or off-road vehicle used by a contractor, rental agency, or other party registered with CARB, the proponent/contractor shall be responsible maintaining PERP/DOORS registration and notifying the Air Pollution Control District of any generators (EKAPCD, MDAQMD, or AVAQMD) brought on Edwards AFB. (13 CCR 2450; 17 CCR 93116; EKAPCD Rule 202.I.D; MDAQMD Rule 219.E.1.d; AVAQMD Rule 2100).

In addition, the February 2021 technical air quality and GHG study prepared by Rincon Consultants recommends measures to further reduce criteria pollutant emissions especially for PM<sub>10</sub> emissions.

## Construction Activities

Construction of the gen-tie corridor would begin as early as the fourth quarter of 2021 (i.e. October 1, 2021). The proposed action would include the following construction activities: access and spur road construction, foundation installation, pole erection, and cable pulling. During construction, existing paved roads would be used where feasible to limit the ground disturbance. Access and spur roads would be graded to limit travel on unpaved roads. Approximately 1.35 miles of access road would be graded for construction and approximately 0.45 miles of spur roads would be constructed off of existing access roads. Neither roads would be maintained post-construction and are considered a permanent disturbance due to future use for operational maintenance purposes. During the foundation installation and pole erection activities, temporary transmission structures site approximately 150 feet by 50 feet wide would be established for the permanent structures. The areas would be cleared of vegetation (except for mature vegetation such as a Joshua tree). Then the transmission structure would be set in an

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<sup>4</sup> Edwards AFB. 1994. Edwards Air Force Base Revegetation Plan. Air Force Flight Test Center. Environmental Management Office.



augured hole for tangent structures or concrete pier foundation for dead-end structures. During the pole erection and cable pulling activities, there would be six pulling and tension sites to install the conductors on the transmission structures. The sites would be 100 feet by 400 feet long and would be located on or adjacent to the gen-tie service road. The conductors would be strung between transmission structures, after which cables would be pulled through one segment of the transmission line at a time. Power pulling equipment and trucks would pull the conductors and cables into place. The anticipated construction equipment list and workforce needed are listed in Table 1

Construction would temporarily disturb approximately 16.71 acres (727,888 square feet) due to structure erection, wire, pulling, access roads, and trenching. Approximately 8.99 acres (391,604 square feet) would be permanently disturbed due to facilities and roadways. Water would be used onsite to limit fugitive dust emissions. The timing of construction would be coordinated with Edwards AFB with the majority of construction occurring between 6:00 am and 5:00 pm, Monday through Friday.

Table 1 Gen-Tie Line Construction Equipment List and Workforce

Equipment Type <sup>1</sup>	Quantity	Personnel
<b>Phase: Access/Spur Road Construction</b>		
Bulldozer	1	2: Driver, Spotter
Grader	1	2: Driver, Spotter
Compactor	1	2: Driver, Spotter
<b>Foundation Installation</b>		
Drilling Rig	1	3: Driver, Operator, Support
Crane	1	3: Driver, Operator, Support
Boom Truck	1	1: Operator
Flat Bed Truck	1	1: Operator
Crew Truck(s)	6	6: Crew
Concrete Truck	1	1: Driver/Operator
<b>Pole Erection</b>		
Bucket Lift Truck	1	2: Driver, Operator
Boom Truck(s)	1	3: Driver, Operator, Support
Crew Truck(s)	6	6: Driver, Operator
<b>Cable Pulling</b>		
Heavy-Duty Truck (Puller)	1	2: Driver, Operator
Heavy-Duty Truck (tensioner)	1	2: Driver, Operator
Crew Truck(s)	6	6: Driver, Operator
Crew Truck(s)	6	3: Spotters
Helicopter	1	2: Pilot, Spotter

<sup>1</sup> All equipment assumed to be diesel-fueled

Note: Construction equipment list provided by 8minute Solar Energy



## Operational Activities

The Proposed Project would operate continuously throughout the life of the Aratina Solar Farm. Following construction, activities associated with the gen-tie would be restricted to inspection and occasional maintenance and repair. Twice annual visual inspections would be conducted by ground crews to inspect insulators, overhead grounds, and transmission structure hardware. Gen-tie access roads would not be regularly maintained, but as-needed grading may be conducted to provide access to transmission structures for maintenance activities.

Additional operations and maintenance activities may include insulator washing, periodic air inspection, repair or replacement of lines, replacement of insulators, painting tower or pole identification markings or corroded areas, response to emergency situations (e.g., outages) to restore power. Maintenance work would be coordinated with Edwards AFB.

Since the operational activities would only occur twice per year (with the exception of emergency situations), the operation-related emissions from the project were assumed to be negligible due to infrequency of personnel traveling to the project site.

## Regulatory Framework

Section 176(c) of the CAA, as amended (42 United States Code [U.S.C.] 7401 et seq.) prohibits federal agencies from engaging in, supporting, providing financial assistance to, or issuing permits for activities that do not conform to an applicable SIP. The requirements for implementation of the General Conformity Rule, as provided in 40 CFR 6 and 40 CFR 51, were adopted by the EKAPCD in Rule 210.7 and by the MDAQMD in Rule 2002.

### Title 40 CFR Part 51 Subpart W and 40 CFR Part 93 Subpart B: General Conformity

The CAA requires federal agencies to ensure that their actions conform to the applicable SIP. The CAA applies only to direct and/or indirect emissions caused by actions that occur in areas designated as nonattainment or maintenance areas with respect to National Ambient Air Quality Standards (NAAQS). These regulations require an applicability analysis to determine whether the federal action must be supported by a conformity determination. Under the General Conformity Rule, the CAA applicability analysis is conducted for federal actions performed in locations with a history of non-compliance, as described below:

- a. An area that is in nonattainment (i.e., has recorded violations of the NAAQS) for each criteria pollutant (such as ozone, carbon monoxide, and particulate matter) for which the area is designated nonattainment
- b. An area designated as nonattainment that was later re-designated by the Administrator of the USEPA as an attainment area and that is therefore required to develop a maintenance plan under Section 7505a of 42 U.S.C. with respect to the specific pollutant(s) for which the area was previously designated nonattainment

The applicability analysis involves calculation of the total emissions of criteria and/or precursor pollutants during the years of construction and operation of the federal action. A conformity determination must be made if the annual emissions exceed the rates specified in 40 CFR Part 93.153(b),



referred to as *de minimis* rates. If the applicable emissions exceed the *de minimis* rates outlined in the General Conformity Rule, then the federal agency would prepare a formal General Conformity Determination for public comment. If the estimated annual emissions are below the applicable *de minimis* rates, the proposed action conforms to the SIP and is not subject to a formal general conformity determination.<sup>5</sup>

## Environmental Impact Analysis Process

The EIAP is the USAF’s tool for implementing the National Environmental Policy Act (NEPA) and the Council on Environmental Quality (CEQ) *Regulations for Implementing the Procedural Provisions of NEPA* (40 CFR 1500-150) for Air Force activities within the United States and abroad.<sup>6</sup> As part of the EIAP, an air quality impacts analysis (AQIA) must be performed, regardless of the region’s air quality attainment status, as part of the General Conformity evaluation. The air pollutants evaluated in the AQIA include all criteria pollutants, GHGs, and total hazardous air pollutants (HAP).

### *Air Force Manual 32-7002 Air Quality Compliance and Resource Management*

The USAF Instructions 32-7002 provide detailed directions on how to prepare the AQIA for federal actions in nonattainment and maintenance areas. The instructions state that in the initial planning process a General Conformity Applicability Analysis using the Air Conformity Applicability Model (ACAM) shall be performed as an initial screening-level analysis.<sup>7</sup> The ACAM is a tool that performs a simplified General Conformity Rule Applicability analysis for proposed non-transportation actions. If the screening tools determines that the emissions would exceed the *de minimis* rates established by 40 CFR 93.153(b), then a Conformity Determination is required to demonstrate that the proposed federal action conforms to the applicable SIP and meets the General Conformity requirements.

## Criteria for Evaluation of Impacts

The proposed action is located in the unincorporated areas of eastern Kern County and western San Bernardino County near the communities of Boron and Kramer Junction. The project site is situated in the Mojave Desert portion of the Mojave Desert Air Basin (MDAB), which is overseen by both the EKAPCD and MDAQMD. The EKAPCD has jurisdiction over air quality management in the Mojave Desert portion of Kern County, while the MDAQMD is the air pollution control agency for eastern portion of the MDAB that includes San Bernardino County and Riverside County’s Palo Verde Valley. The nonattainment statuses for the MDAB under both air pollution control agencies are applicable to the project. Based on the federal attainment status for the MDAB, Table 2 lists the *de minimis* rates that apply to the Kern County (Eastern Kern) and San Bernardino County portions of the MDAB. These levels apply to annual emissions generated during construction and operation of the proposed action under federal agency control.

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<sup>5</sup> USEPA. 2020. “De Minimis Emission Levels.” Last modified: May 21, 2020. <https://www.epa.gov/general-conformity/de-minimis-emission-levels> (accessed March 2021).

<sup>6</sup> USAF. 2020. Air Force Manual 32-7002 Environmental Compliance and Pollution Prevention. February. [https://static.e-publishing.af.mil/production/1/af\\_a4/publication/afman32-7002/afman32-7002.pdf](https://static.e-publishing.af.mil/production/1/af_a4/publication/afman32-7002/afman32-7002.pdf) (accessed April 2021).

<sup>7</sup> USAF. 2017. Air Force Instructions 32-7040 Air Quality Compliance and Resource Management. December. [https://static.e-publishing.af.mil/production/1/eglnafb/publication/afi32-7040\\_eglnafbsup/afi32-7040\\_eglnafbsup.pdf](https://static.e-publishing.af.mil/production/1/eglnafb/publication/afi32-7040_eglnafbsup/afi32-7040_eglnafbsup.pdf) (accessed April 2021).





Table 2 General Conformity De Minimis Emission Rates for the Kern County (Eastern Kern) and San Bernardino County Portion of the Mojave Desert Air Basin

Pollutant	Federal Attainment Status <sup>2</sup>		Federal Attainment Status <sup>2</sup>	
	Kern County (Eastern Kern)	De Minimis Emission Rate (tons/year) <sup>1</sup>	San Bernardino County	De Minimis Emission Rate (tons/year) <sup>1</sup>
Ozone (VOC and NO <sub>x</sub> )	Nonattainment – Severe for 2008 Ozone Standard	25 <sup>3</sup>	Nonattainment Severe-15 <sup>4</sup>	25
NO <sub>2</sub>	Unclassified/Attainment <sup>2</sup>	N/A	Unclassified/Attainment <sup>2</sup>	N/A
CO	Unclassified/Attainment <sup>2</sup>	N/A	Unclassified/Attainment <sup>2</sup>	N/A
PM <sub>10</sub>	Nonattainment Serious <sup>2</sup>	70	Nonattainment – Moderate <sup>2</sup>	100
PM <sub>2.5</sub>	Unclassified/Attainment <sup>2</sup>	N/A	Unclassified/Attainment <sup>2</sup>	N/A
SO <sub>2</sub>	Unclassified/Attainment <sup>2</sup>	N/A	Unclassified/Attainment <sup>2</sup>	N/A
Lead	Unclassified/Attainment <sup>2</sup>	N/A	Unclassified/Attainment <sup>2</sup>	N/A

N/A = not applicable (Kern County [Eastern Kern] and San Bernardino County is not a designated nonattainment or maintenance area for these pollutants); VOC = volatile organic compounds; NO<sub>x</sub> = nitrogen oxides; NO<sub>2</sub> = nitrogen dioxide; CO = carbon monoxide; PM<sub>10</sub> = particulate matter 10 microns or less in diameter; PM<sub>2.5</sub> = particulate matter 2.5 microns or less in diameter; SO<sub>2</sub> = sulfur dioxide

<sup>1</sup> USEPA. 2017. “De Minimis Tables.” Last modified: August 4, 2017. <https://www.epa.gov/general-conformity/de-minimis-tables> (accessed April 2021)

<sup>2</sup> USEPA. 2020. “Current Nonattainment Counties for All Criteria Pollutants. Last modified: March 31, 2021. <https://www3.epa.gov/airquality/greenbook/ancl.html> (accessed April 2021).

<sup>3</sup> Kern County (Eastern Kern) is designated Nonattainment – Moderate for the 2015 Ozone Standard. The final rule for the 2015 ozone standard was signed October 1, 2015, and effective December 28, 2015. However, the previous (2008) O<sub>3</sub> standards are not revoked and remain in effect for designated areas. Therefore, the de minimis rate for a severe nonattainment designation is used for conformity.

<sup>4</sup>This designation status is only applicable to the Los Angeles and San Bernardino Counties within the West Mojave Desert.

In addition, this analysis compared the annual criteria pollutant emissions to the significance thresholds established by the EKAPCD and MDAQMD. These thresholds are not for General Conformity Applicability but were developed by the Air Districts to represent the level at which a project’s emissions would result in cumulatively considerable contribution to the Air Basin’s existing air quality conditions and would conflict with the Air District’s attainment goals. Exceeding the thresholds indicates that the project would have a potentially significant impact under the California Environmental Quality Act (CEQA). Thresholds from the Kern County *Guidelines for Preparing an Air Quality Assessment for Use in Environmental Impact Reports*<sup>8</sup> and the MDAQMD’s *California Environmental Quality Act (CEQA) and Federal Conformity Guidelines*<sup>9</sup> are referenced in this report only for informational purposes. See Table 3 for the CEQA significance thresholds.

<sup>8</sup> Kern County Planning Department. 2006. Guidelines for Preparing an Air Quality Assessment for use in Environmental Impact Reports. December. <http://www.kernair.org/Documents/CEQA/AirQualityAssessmentPreparationGuidelines.pdf> (accessed June 2021).

<sup>9</sup> MDAQMD. 2020. MDAQMD California Environmental Quality Act (CEQA) and Federal Conformity Guidelines. February. <https://www.mdaqmd.ca.gov/home/showpublisheddocument/8510/637406182097070000> (accessed June 2021).



Table 3 CEQA Air Quality Thresholds of Significance

Pollutant	Kern County	MDAQMD Annual Thresholds (tons per year)
CO	N/A	100
NO <sub>x</sub>	25	25
ROG/VOC	25	25
SO <sub>x</sub>	N/A	25
PM <sub>10</sub>	15	15
PM <sub>2.5</sub>	N/A	12

CO = Carbon Monoxide; NO<sub>x</sub> = Nitrogen Oxides; ROG = Reactive Organic Gases; VOC = Volatile Organic Compounds; SO<sub>x</sub> = Sulfur Oxide; PM10 = Particulate Matter with a diameter no more than 10 microns; PM2.5 = Particulate Matter with a diameter no more than 2.5 microns  
 Source: Kern County 2006 and MDAQMD 2020

For GHG emissions, the CEQ rescinded the 2019 *Draft NEPA Guidance on Consideration of Greenhouse Gas Emissions* and is currently updating the 2016 *Guidance on GHG and Climate Change*. In the interim, the CEQ encourages all agencies to use available tools resources for evaluating GHG emissions, including the 2016 guidance.<sup>10</sup> The 2016 guidance does not establish a significance threshold for GHG emissions, and the CEQ cautions against an in-depth analysis because climate change impacts are not attributable to a single action. Instead, it is recommended that the “rule of reason” and the “concept of proportionality” be used instead to evaluate GHG emissions.<sup>11</sup> As described in the guidance, the rule of reason is inherent in NEPA and the CEQ regulations, allowing agencies to determine how to consider an environmental effect and prepare an analysis based on available information and expertise. Per the guidance, under the concept of proportionality, agencies should discuss impacts in proportion to their potential significance.

However, both EKAPCD and MDAQMD have established GHG significance thresholds for CEQA within their jurisdiction to determine if a project would have a cumulatively considerable impact. In lieu of formalized NEPA guidance, the thresholds established by both Air Districts were also used in support of the analysis. The EKAPCD GHG threshold is 25,000 tons per year<sup>12</sup> and the MDAQMD threshold is 100,000 tons per year<sup>13</sup>. Therefore, the annual GHG emissions generated by the proposed action are qualitatively and quantitatively assessed in this analysis.

## Methodology

The sources of construction emissions include combustion of gasoline and diesel fuels by on-road vehicles and off-road equipment as well as fugitive dust from grading and trenching activities. The Air

<sup>10</sup> Council on Environmental Quality. 2021. “Notice of rescission of draft guidance”. February 19. <https://www.federalregister.gov/documents/2021/02/19/2021-03355/national-environmental-policy-act-guidance-on-consideration-of-greenhouse-gas-emissions> (accessed April 2021).

<sup>11</sup> CEQ. 2016. *Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in the National Environmental Policy Act Reviews*. August 1. [https://ceq.doe.gov/docs/ceq-regulations-and-guidance/nepa\\_final\\_ghg\\_guidance.pdf](https://ceq.doe.gov/docs/ceq-regulations-and-guidance/nepa_final_ghg_guidance.pdf) (accessed April 2021).

<sup>12</sup> EKAPCD. 2012. *Eastern Kern Air Pollution Control District Policy Addendum to CEQA Guidelines Addressing GHG emission Impacts for Stationary Source Projects When Serving As Lead CEQA Agency*. March. <http://www.kernair.org/Documents/CEQA/EKAPCD%20CEQA%20GHG%20Policy%20Adopted%203-8-12.pdf> (accessed June 2021).

<sup>13</sup> MDAQMD. 2020. *MDAQMD California Environmental Quality Act (CEQA) and Federal Conformity Guidelines*. February. <https://www.mdaqmd.ca.gov/home/showpublisheddocument/8510/637406182097070000> (accessed June 2021).



Force's ACAM (version 5.0) was used to quantify the potential air pollutant emissions associated with the project. Total annual emissions associated with the proposed action were compared to the applicable *de minimis* rates shown in Table 2.

For the model, the Edwards AFB was selected as the applicable AFB. The default regulatory area standards for criteria pollutants and existing base emissions for Edwards AFB were used. The Construction and Demolition Activity was selected to model construction of the gen-tie route. Kern County and San Bernardino County were selected as the Activity Location. For the Regulatory Area, Kern County (Eastern Kern), San Bernardino County, and the Los Angeles-San Bernardino Counties were selected.

For construction, the construction schedule and equipment listed (see Table 1) described in the *Aratina Solar Project Air Quality and Greenhouse Gas Study* prepared by Rincon Consultants on February 2021 to support CEQA environmental review were used.<sup>14</sup> Since the exact construction schedule is to be determined, the construction start date was assumed to be October 1, 2021 and last 172 workdays. This assumption is based off the schedule for the first two phases of the Aratina Solar Farm project. The Site Grading and Paving phases in ACAM were used to represent the construction of the proposed action. Since the project is located in both Kern County (EKAPCD jurisdiction) and San Bernardino County (MDAQMD jurisdiction), the project was modeled with separate details for each county and Air Districts. A quarter of the project was assumed to be in the EKACPD area (approximately 4.18 acres) and the remaining three quarters were assumed to be in MDAQMD area (approximately 12.53 acres).

In the Site Grading phase, the default off-road equipment was modified with the project-specific equipment list (see Table 1), and the trip commutes were all changed to be 40-mile round trips to match the trip lengths used in the February 2021 technical study prepared for the Aratina Solar Farm project by Rincon Consultants. The construction area to be disturbed (16.71 acres or 727,888 square feet) was used to represent the area to be graded. For the EKAPCD model, approximately 181,972 square feet were assumed to be graded, while for the MDAQMD model approximately 545,916 square feet were assumed to be graded. The Paving phase was used to model only the paving associated with the access roads and spur roads. The permanent area (8.99 acres or 391,604 square feet) to be disturbed was used to represent the area to be paved. In the EKACPCD model 97,901 acres would be paved and 293,703 acres would be paved in the MDAQMD model. The default equipment quantities and hours were changed to zero since the Site Grading phase was used to model the impacts from off-road equipment usage. The required minimization measures were not included in the model to provide a conservative General Conformity screening analysis. Criteria pollutant emissions would be reduced further with implementation of the required measures.

In addition, the fugitive dust emissions from vehicles traveling on unpaved roads were calculated off-model since ACAM does not include these emissions. These emissions were calculated off-model using emission factors obtained from the USEPA AP-42 *Compilation of Air Pollutant Emission Factors*.<sup>15</sup> These emissions factors are consistent with the emission factors also used in the Aratina Solar Farm project technical study. Based on Table 1, seven trucks could potentially be traveling onsite on unpaved roads (the crew trucks were assumed to only travel on the paved existing roadways). These seven trucks were

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<sup>14</sup> Rincon Consultants, Inc. 2021. Aratina Solar Project Air Quality and Greenhouse Gas Study. February.

<sup>15</sup> United States Environmental Protection Agency (USEPA). 2006. AP-42 Fifth Edition Compilation of Air Pollutant Emission Factors. <http://www.epa.gov/ttnchie1/ap42/>



assumed to traveling along the length of the gen-tie route (6.5 miles). Thus, a trip length of 13 miles was used to represent the trucks traveling back and forth onsite with the vehicles operating daily during the entire construction period (172 workdays). A travel limit of 15 miles per hour was also assumed. The fugitive dust emissions from vehicle travel was added to the total project construction emissions.

## Impact Analysis

### General Conformity Assessment

Table 4 and Table 5 presents the total annual criteria air pollutants that would be generated during construction of the proposed action. Table 4 and Table 5 also compares the maximum total annual emissions to the applicable *de minimis* rates and Air District CEQA significance thresholds (for informational purposes only). The total and maximum total annual emissions for other criteria air pollutants and GHGs are also reported for informational purpose.

As shown in Table 4, the maximum total emissions from the project would not exceed the 25 tons per year *de minimis* rate for volatile organic compounds (VOC) and nitrogen oxides (NO<sub>x</sub>) or the 70 tons per year *de minimis* rate for PM<sub>10</sub>. The emissions also would not exceed the EKAPCD CEQA significance thresholds. As shown in Table 5, the maximum VOC and NO<sub>x</sub> emissions would not exceed the 25 tons per year *de minimis* rate nor do the PM<sub>10</sub> emissions exceed the 100 tons per year *de minimis* rate for PM<sub>10</sub>. Except for PM<sub>10</sub> the criteria pollutant emissions shown in Table 5 would not exceed the MDAQMD thresholds. The PM<sub>10</sub> emissions are uncontrolled emissions that do not account for the fugitive dust measures and exhaust control measures that would be implemented, as described under *Required Minimization Measures*, which would further reduce the estimated annual emissions for construction activities. Furthermore, as discussed above, Rincon Consultants provided additional control measures (Recommendations AQ-1 and AQ-3) to reduce construction-related PM<sub>10</sub> emissions to a level below the EKAPCD's and MDAQMD's CEQA PM<sub>10</sub> significance threshold of 15 tons per year in the *Aratina Solar Project Air Quality and Greenhouse Gas Study* from February 2021. Refer to the technical study for further details regarding the recommendations and the project's compliance with CEQA. Therefore, since the proposed action would not exceed the applicable *de minimis* rates, the proposed action conforms to the SIP, and a General Conformity determination is not necessary. The ACAM results and fugitive dust emissions from unpaved road calculations are in Attachment 1.



Table 4 Total Annual Emissions for Proposed Action in EKAPCD Jurisdiction

Year	Estimated Annual Emissions (tons/year)								
	VOC	NO <sub>x</sub>	PM <sub>10</sub> <sup>1</sup>	CO	SO <sub>x</sub>	PM <sub>2.5</sub> <sup>1</sup>	Pb	NH <sub>3</sub>	CO <sub>2e</sub>
<b>Construction</b>									
2021	0.4	2.5	5.8	1.8	<0.1	0.1	0	0	704
2022	0.8	4.7	11.1	3.5	<0.1	0.2	0	0	1,343
<b>Maximum Annual Emissions</b>	<b>0.8</b>	<b>4.7</b>	<b>11.1</b>	<b>3.5</b>	<b>&lt;0.1</b>	<b>0.2</b>	<b>0</b>	<b>0</b>	<b>1,343</b>
<i>De Minimis</i> Rates	25	25	70	--	--	--	--	--	--
<i>De Minimis</i> Rate Exceeded?	No	No	No	N/A	N/A	N/A	N/A	N/A	N/A
Kern County Threshold	25	25	15	N/A	N/A	N/A	N/A	N/A	25,000
Exceed Threshold?	No	No	No	N/A	N/A	N/A	N/A	N/A	N/A

<sup>1</sup>Includes the unpaved road fugitive dust emissions

VOC: volatile organic compounds; NO<sub>x</sub>: nitrogen oxides; PM<sub>10</sub>: particulate matter with a diameter of 10 microns or less; CO: carbon monoxide; SO<sub>x</sub>: sulfur oxide; PM<sub>2.5</sub>: particulate matter with a diameter of 2.5 or less; Pb: lead; NH<sub>3</sub>: ammonia; CO<sub>2e</sub>: carbon dioxide equivalent; N/A = not applicable

See Attachment 1 for ACAM results and other calculations.

Table 5 Total Annual Emissions for Proposed Action in MDAQMD Jurisdiction

Year	Estimated Annual Emissions (tons/year)								
	VOC	NO <sub>x</sub>	PM <sub>10</sub> <sup>1</sup>	CO	SO <sub>x</sub>	PM <sub>2.5</sub> <sup>1</sup>	Pb	NH <sub>3</sub>	CO <sub>2e</sub>
<b>Construction</b>									
2021	0.4	2.5	17.3	1.9	<0.1	0.2	0	0	723
2022	0.8	4.8	32.8	3.5	<0.1	0.3	0	0	1,379
<b>Maximum Annual Emissions</b>	<b>0.8</b>	<b>4.8</b>	<b>32.8</b>	<b>3.5</b>	<b>&lt;0.1</b>	<b>0.3</b>	<b>0</b>	<b>0</b>	<b>1,379</b>
<i>De Minimis</i> Rates	25	25	100	--	--	--	--	--	--
<i>De Minimis</i> Rate Exceeded?	No	No	No	N/A	N/A	N/A	N/A	N/A	N/A
MDAQMD Threshold	25	25	15	100	25	12	0.6	N/A	100,00
Exceed Threshold?	No	No	Yes <sup>2</sup>	No	No	No	No	N/A	No

<sup>1</sup>Includes the unpaved road fugitive dust emissions. <sup>2</sup>Emissions are based on uncontrolled emissions. The emissions do not include the required mitigation measures nor dust control measures that would further reduce emissions.

VOC: volatile organic compounds; NO<sub>x</sub>: nitrogen oxides; PM<sub>10</sub>: particulate matter with a diameter of 10 microns or less; CO: carbon monoxide; SO<sub>x</sub>: sulfur oxide; PM<sub>2.5</sub>: particulate matter with a diameter of 2.5 or less; Pb: lead; NH<sub>3</sub>: ammonia; CO<sub>2e</sub>: carbon dioxide equivalent; N/A = not applicable

See Attachment 1 for ACAM results and other calculations.



## Climate Change and Greenhouse Gases

The project would generate GHG emissions directly and indirectly during construction and routine operation and maintenance activities. Table 4 and Table 5 lists the estimated construction-related GHGs from the proposed action. However, the construction and operation of new renewable energy facilities would offset GHG emissions by allowing for the replacement and decommissioning of fossil-fueled power plants that generate high levels of GHG emissions. The project would facilitate the provision of solar-generated electricity each year to the power grid, which would be used instead of electricity generated by fossil fuels. The proposed action would convey up to 600 megawatts (MW) of renewable energy to the electric gride to assist the State of California in achieving its 50 percent Renewables Portfolio Standard (RPS) by 2030 and its 100 percent clean energy goal by 2050. Therefore, the project would result in a lifetime reduction of GHG emissions and would be regionally beneficial because it would provide renewable energy for the State.

In addition, the GHG emissions generated from construction-related activities in the EKAPCD area would total approximately 2,047 MT CO<sub>2</sub>e and 2,102 MT CO<sub>2</sub>e in the MDAQMD area. The total construction emissions would not exceed the EKAPCD CEQA threshold of 25,000 MT CO<sub>2</sub>e per year nor the MDAQMD CEQA threshold of 100,00 MT CO<sub>2</sub>e, respectively. The project would not result in a cumulatively considerable contribution to a significant cumulate impact under CEQA. No further consideration or reporting is necessary.

## Conclusion

The proposed action would generate criteria pollutants and GHG emissions during construction. Based on the results from the ACAM, the project would not exceed the *de minimis* rates of 25 tons per year for ozone (VOC and NO<sub>x</sub>), 70 tons for PM<sub>10</sub>, or 100 tons for PM<sub>10</sub> established by the USEPA. The project would also have a net positive effect on climate change by facilitating the construction and operation of a renewable solar energy project that would replace fossil-fueled power plants and provide a cleaner source of electricity. Thus, the project is consistent with the CAA General Conformity rule and would reduce GHG emissions on a regional level by facilitating the production of energy from a renewable non-carbon-based source.

Sincerely,  
Rincon Consultants, Inc.

Mimi McNamara  
Environmental Planner

Abe Leider, AICP CEP  
Principal

Attachment

Attachment 1 ACAM Modeling and Unpaved Road Calculations

# Attachment 1

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ACAM Modeling and Unpaved Road Calculations

# AIR CONFORMITY APPLICABILITY MODEL REPORT RECORD OF CONFORMITY ANALYSIS (ROCA)

**1. General Information:** The Air Force’s Air Conformity Applicability Model (ACAM) was used to perform an analysis to assess the potential air quality impact/s associated with the action in accordance with the Air Force Manual 32-7002, Environmental Compliance and Pollution Prevention; the Environmental Impact Analysis Process (EIAP, 32 CFR 989); and the General Conformity Rule (GCR, 40 CFR 93 Subpart B). This report provides a summary of the ACAM analysis.

**a. Action Location:**

**Base:** EDWARDS AFB  
**State:** California  
**County(s):** San Bernardino; Kern  
**Regulatory Area(s):** East Kern Co, CA; Kern Co (Eastern Kern), CA; Los Angeles-San Bernardino Cos. (W Mojave Desert), CA; San Bernardino Co, CA

**b. Action Title:** Aratina Transmission Line

**c. Project Number/s (if applicable):**

**d. Projected Action Start Date:** 10 / 2021

**e. Action Description:**

Power generated by the Aratina Solar Farm would be delivered from the project’s onsite substation to the existing SCE Kramer Substation via an up to 6.5-mile 230 kilovolt (kV) electrical transmission line. There would be a total of 53 transmission support structures erected with the right of way and be spaced 500 feet to 700 feet apart. The transmission structure heights would be generally 125 feet above ground with a minimum ground clearance of 30 feet. Communications cable or fiber cable would be installed within a trench that runs parallel with the transmission line. The proposed 230 kV line would be located entirely within the existing Edwards AFB Utility Corridor 5. The proposed 230 kV line would be located immediately south of the existing SCE overhead transmission line and direct road that spans east to west along a portion of this corridor. This allows for maximum use of existing dirt roads and therefore minimizing new ground disturbance. No action alternative would probably reroute the transmission lines through private-owned property.

**f. Point of Contact:**

**Name:** Mimi McNamara  
**Title:** Environmental Planner  
**Organization:** Rincon Consultants, Inc  
**Email:** mmcnamara@rinconconsultants.com  
**Phone Number:** 510-671-0181

**2. Analysis:** Total combined direct and indirect emissions associated with the action were estimated through ACAM on a calendar-year basis for the “worst-case” and “steady state” (net gain/loss upon action fully implemented) emissions. General Conformity under the Clean Air Act, Section 1.76 has been evaluated for the action described above according to the requirements of 40 CFR 93, Subpart B.

Based on the analysis, the requirements of this rule are:        applicable  
  X   not applicable

**Conformity Analysis Summary:**

		2021	
Pollutant	Action Emissions (ton/yr)	GENERAL CONFORMITY	
		Threshold (ton/yr)	Exceedance (Yes or No)
East Kern Co, CA			



## AIR CONFORMITY APPLICABILITY MODEL REPORT RECORD OF CONFORMITY ANALYSIS (ROCA)

VOC	0.408		
NOx	2.468		
CO	1.811		
SOx	0.007		
PM 10	5.522	70	No
PM 2.5	0.090		
Pb	0.000		
NH3	0.001		
CO2e	703.6		
Kern Co (Eastern Kern), CA			
VOC	0.408	50	No
NOx	2.468	50	No
CO	1.811		
SOx	0.007		
PM 10	5.522		
PM 2.5	0.090		
Pb	0.000		
NH3	0.001		
CO2e	703.6		
Los Angeles-San Bernardino Cos. (W Mojave Desert), CA			
VOC	0.418	25	No
NOx	2.538	25	No
CO	1.854		
SOx	0.007		
PM 10	16.386		
PM 2.5	0.092		
Pb	0.000		
NH3	0.001		
CO2e	722.6		
San Bernardino Co, CA			
VOC	0.418		
NOx	2.538		
CO	1.854		
SOx	0.007		
PM 10	16.386	100	No
PM 2.5	0.092		
Pb	0.000		
NH3	0.001		
CO2e	722.6		

### 2022

Pollutant	Action Emissions (ton/yr)	GENERAL CONFORMITY	
		Threshold (ton/yr)	Exceedance (Yes or No)
East Kern Co, CA			
VOC	0.778		
NOx	4.710		
CO	3.456		
SOx	0.013		
PM 10	10.538	70	No
PM 2.5	0.171		
Pb	0.000		
NH3	0.002		
CO2e	1342.8		

## AIR CONFORMITY APPLICABILITY MODEL REPORT RECORD OF CONFORMITY ANALYSIS (ROCA)

Kern Co (Eastern Kern), CA			
VOC	0.778	25-50	No
NOx	4.710	25-50	No
CO	3.456		
SOx	0.013		
PM 10	10.538		
PM 2.5	0.171		
Pb	0.000		
NH3	0.002		
CO2e	1342.8		
Los Angeles-San Bernardino Cos. (W Mojave Desert), CA			
VOC	0.798	25	No
NOx	4.843	25	No
CO	3.539		
SOx	0.014		
PM 10	31.271		
PM 2.5	0.176		
Pb	0.000		
NH3	0.002		
CO2e	1379.1		
San Bernardino Co, CA			
VOC	0.798		
NOx	4.843		
CO	3.539		
SOx	0.014		
PM 10	31.271	100	No
PM 2.5	0.176		
Pb	0.000		
NH3	0.002		
CO2e	1379.1		

### 2023 - (Steady State)

Pollutant	Action Emissions (ton/yr)	GENERAL CONFORMITY	
		Threshold (ton/yr)	Exceedance (Yes or No)
East Kern Co, CA			
VOC	0.000		
NOx	0.000		
CO	0.000		
SOx	0.000		
PM 10	0.000	70	No
PM 2.5	0.000		
Pb	0.000		
NH3	0.000		
CO2e	0.0		
Kern Co (Eastern Kern), CA			
VOC	0.000	50	No
NOx	0.000	50	No
CO	0.000		
SOx	0.000		
PM 10	0.000		
PM 2.5	0.000		
Pb	0.000		
NH3	0.000		

## AIR CONFORMITY APPLICABILITY MODEL REPORT RECORD OF CONFORMITY ANALYSIS (ROCA)

<b>CO2e</b>	0.0		
<b>Los Angeles-San Bernardino Cos. (W Mojave Desert), CA</b>			
<b>VOC</b>	0.000	25	No
<b>NOx</b>	0.000	25	No
<b>CO</b>	0.000		
<b>SOx</b>	0.000		
<b>PM 10</b>	0.000		
<b>PM 2.5</b>	0.000		
<b>Pb</b>	0.000		
<b>NH3</b>	0.000		
<b>CO2e</b>	0.0		
<b>San Bernardino Co, CA</b>			
<b>VOC</b>	0.000		
<b>NOx</b>	0.000		
<b>CO</b>	0.000		
<b>SOx</b>	0.000		
<b>PM 10</b>	0.000	100	No
<b>PM 2.5</b>	0.000		
<b>Pb</b>	0.000		
<b>NH3</b>	0.000		
<b>CO2e</b>	0.0		

None of estimated emissions associated with this action are above the conformity threshold values established at 40 CFR 93.153 (b); Therefore, the requirements of the General Conformity Rule are not applicable.

\_\_\_\_\_  
Mimi McNamara, Environmental Planner

\_\_\_\_\_  
DATE

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

## 1. General Information

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### - Action Location

**Base:** EDWARDS AFB

**State:** California

**County(s):** San Bernardino; Kern

**Regulatory Area(s):** East Kern Co, CA; Kern Co (Eastern Kern), CA; Los Angeles-San Bernardino Cos. (W Mojave Desert), CA; San Bernardino Co, CA

- **Action Title:** Aratina Transmission Line

- **Project Number/s (if applicable):**

- **Projected Action Start Date:** 10 / 2021

### - Action Purpose and Need:

The purpose of the Proposed Action is to facilitate transmission of the energy produced at 8minute Solar Energy's Aratina Solar Farm to the statewide electrical grid. The proposed transmission gen-tie line would connect the Aratina Solar Farm to the existing Southern California Edison (SCE) Kramer Substation to the east, located at the southwest corner of State Route 58 and State Route 395.

### - Action Description:

Power generated by the Aratina Solar Farm would be delivered from the project's onsite substation to the existing SCE Kramer Substation via an up to 6.5-mile 230 kilovolt (kV) electrical transmission line. There would be a total of 53 transmission support structures erected with the right of way and be spaced 500 feet to 700 feet apart. The transmission structure heights would be generally 125 feet above ground with a minimum ground clearance of 30 feet. Communications cable or fiber cable would be installed within a trench that runs parallel with the transmission line. The proposed 230 kV line would be located entirely within the existing Edwards AFB Utility Corridor 5. The proposed 230 kV line would be located immediately south of the existing SCE overhead transmission line and direct road that spans east to west along a portion of this corridor. This allows for maximum use of existing dirt roads and therefore minimizing new ground disturbance. No action alternative would probably reroute the transmission lines through private-owned property.

### - Point of Contact

**Name:** Mimi McNamara

**Title:** Environmental Planner

**Organization:** Rincon Consultants, Inc

**Email:** mmcnamara@rinconconsultants.com

**Phone Number:** 510-671-0181

### - Activity List:

	Activity Type	Activity Title
2.	Construction / Demolition	Aratina Transmission Line MDAQMD
3.	Construction / Demolition	Aratina Transmission EKAPCD

Emission factors and air emission estimating methods come from the United States Air Force's Air Emissions Guide for Air Force Stationary Sources, Air Emissions Guide for Air Force Mobile Sources, and Air Emissions Guide for Air Force Transitory Sources.

## 2. Construction / Demolition

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### 2.1 General Information & Timeline Assumptions

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

**- Activity Location**

**County:** San Bernardino

**Regulatory Area(s):** Los Angeles-San Bernardino Cos. (W Mojave Desert), CA; San Bernardino Co, CA

**- Activity Title:** Aratina Transmission Line MDAQMD

**- Activity Description:**

Construction would temporarily disturb approximately 16.71 acres (727,888 square feet) due to structure erection, wire, pulling, access roads, and trenching. Used for Site Grading. Assume 1/4 in EKAPCD and 3/4 in MDAQMD. Approximately 8.99 acres (391,604 square feet) would be permanently disturbed due to facilities and roadways. Used for paving, Water would be used onsite to limit fugitive dust emissions. The timing of construction would be coordinated with Edwards AFB with the majority of construction occurring between 6:00 am to 5:00 pm, Monday through Friday. Work Hours estimated at 8 hr/day.

**- Activity Start Date**

**Start Month:** 10

**Start Month:** 2021

**- Activity End Date**

**Indefinite:** False

**End Month:** 6

**End Month:** 2022

**- Activity Emissions:**

Pollutant	Total Emissions (TONs)
VOC	1.216657
SO <sub>x</sub>	0.021079
NO <sub>x</sub>	7.381327
CO	5.393214
PM 10	47.656564

Pollutant	Total Emissions (TONs)
PM 2.5	0.267531
Pb	0.000000
NH <sub>3</sub>	0.003352
CO <sub>2e</sub>	2101.7

## 2.1 Site Grading Phase

### 2.1.1 Site Grading Phase Timeline Assumptions

**- Phase Start Date**

**Start Month:** 10

**Start Quarter:** 1

**Start Year:** 2021

**- Phase Duration**

**Number of Month:** 8

**Number of Days:** 22

### 2.1.2 Site Grading Phase Assumptions

**- General Site Grading Information**

**Area of Site to be Graded (ft<sup>2</sup>):** 545916

**Amount of Material to be Hauled On-Site (yd<sup>3</sup>):** 0

**Amount of Material to be Hauled Off-Site (yd<sup>3</sup>):** 0

**- Site Grading Default Settings**

**Default Settings Used:** No

**Average Day(s) worked per week:** 5

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

**- Construction Exhaust**

Equipment Name	Number Of Equipment	Hours Per Day
Bore/Drill Rigs Composite	1	8
Cement and Mortar Mixers Composite	1	11
Cranes Composite	1	8
Graders Composite	1	8
Off-Highway Trucks Composite	6	8
Rubber Tired Dozers Composite	1	8
Surfacing Equipment Composite	1	11

**- Vehicle Exhaust**

Average Hauling Truck Capacity (yd<sup>3</sup>): 20  
 Average Hauling Truck Round Trip Commute (mile): 40

**- Vehicle Exhaust Vehicle Mixture (%)**

	LDGV	LDGT	HDGV	LDDV	LDDT	HDDV	MC
POVs	0	0	0	0	0	100.00	0

**- Worker Trips**

Average Worker Round Trip Commute (mile): 40

**- Worker Trips Vehicle Mixture (%)**

	LDGV	LDGT	HDGV	LDDV	LDDT	HDDV	MC
POVs	50.00	50.00	0	0	0	0	0

### 2.1.3 Site Grading Phase Emission Factor(s)

**- Construction Exhaust Emission Factors (lb/hour)**

<b>Bore/Drill Rigs Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0460	0.0017	0.3219	0.5007	0.0053	0.0053	0.0041	164.99
<b>Cement and Mortar Mixers Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0085	0.0001	0.0535	0.0414	0.0021	0.0021	0.0007	7.2674
<b>Cranes Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0845	0.0013	0.6033	0.3865	0.0228	0.0228	0.0076	128.82
<b>Graders Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0860	0.0014	0.5212	0.5747	0.0247	0.0247	0.0077	132.93
<b>Off-Highway Trucks Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.1369	0.0026	0.7382	0.5475	0.0246	0.0246	0.0123	260.39
<b>Rubber Tired Dozers Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.2015	0.0024	1.4660	0.7661	0.0581	0.0581	0.0181	239.53
<b>Surfacing Equipment Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0779	0.0016	0.5953	0.3859	0.0216	0.0216	0.0070	166.13

**- Vehicle Exhaust & Worker Trips Emission Factors (grams/mile)**

	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	Pb	NH <sub>3</sub>	CO <sub>2e</sub>
LDGV	000.114	000.003	000.084	000.992	000.047	000.020		000.023	00298.845

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

LDGT	000.288	000.004	000.178	001.871	000.048	000.021		000.024	00379.038
HDGV	000.600	000.011	001.339	008.875	000.183	000.078		000.045	01128.468
LDDV	000.026	000.003	000.125	000.281	000.060	000.032		000.008	00271.718
LDDT	000.094	000.003	000.533	000.594	000.112	000.082		000.008	00364.857
HDDV	000.194	000.014	004.796	001.133	000.211	000.117		000.028	01514.699
MC	004.452	000.002	001.252	023.791	000.019	000.009		000.054	00187.891

## 2.1.4 Site Grading Phase Formula(s)

### - Fugitive Dust Emissions per Phase

$$PM10_{FD} = (20 * ACRE * WD) / 2000$$

PM10<sub>FD</sub>: Fugitive Dust PM 10 Emissions (TONs)

20: Conversion Factor Acre Day to pounds (20 lb / 1 Acre Day)

ACRE: Total acres (acres)

WD: Number of Total Work Days (days)

2000: Conversion Factor pounds to tons

### - Construction Exhaust Emissions per Phase

$$CEE_{POL} = (NE * WD * H * EF_{POL}) / 2000$$

CEE<sub>POL</sub>: Construction Exhaust Emissions (TONs)

NE: Number of Equipment

WD: Number of Total Work Days (days)

H: Hours Worked per Day (hours)

EF<sub>POL</sub>: Emission Factor for Pollutant (lb/hour)

2000: Conversion Factor pounds to tons

### - Vehicle Exhaust Emissions per Phase

$$VMT_{VE} = (HA_{OnSite} + HA_{OffSite}) * (1 / HC) * HT$$

VMT<sub>VE</sub>: Vehicle Exhaust Vehicle Miles Travel (miles)

HA<sub>OnSite</sub>: Amount of Material to be Hauled On-Site (yd<sup>3</sup>)

HA<sub>OffSite</sub>: Amount of Material to be Hauled Off-Site (yd<sup>3</sup>)

HC: Average Hauling Truck Capacity (yd<sup>3</sup>)

(1 / HC): Conversion Factor cubic yards to trips (1 trip / HC yd<sup>3</sup>)

HT: Average Hauling Truck Round Trip Commute (mile/trip)

$$V_{POL} = (VMT_{VE} * 0.002205 * EF_{POL} * VM) / 2000$$

V<sub>POL</sub>: Vehicle Emissions (TONs)

VMT<sub>VE</sub>: Vehicle Exhaust Vehicle Miles Travel (miles)

0.002205: Conversion Factor grams to pounds

EF<sub>POL</sub>: Emission Factor for Pollutant (grams/mile)

VM: Vehicle Exhaust On Road Vehicle Mixture (%)

2000: Conversion Factor pounds to tons

### - Worker Trips Emissions per Phase

$$VMT_{WT} = WD * WT * 1.25 * NE$$

VMT<sub>WT</sub>: Worker Trips Vehicle Miles Travel (miles)

WD: Number of Total Work Days (days)

WT: Average Worker Round Trip Commute (mile)

1.25: Conversion Factor Number of Construction Equipment to Number of Works

NE: Number of Construction Equipment

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

$$V_{POL} = (VMT_{WT} * 0.002205 * EF_{POL} * VM) / 2000$$

- V<sub>POL</sub>: Vehicle Emissions (TONs)
- VMT<sub>WT</sub>: Worker Trips Vehicle Miles Travel (miles)
- 0.002205: Conversion Factor grams to pounds
- EF<sub>POL</sub>: Emission Factor for Pollutant (grams/mile)
- VM: Worker Trips On Road Vehicle Mixture (%)
- 2000: Conversion Factor pounds to tons

## 2.2 Paving Phase

### 2.2.1 Paving Phase Timeline Assumptions

**- Phase Start Date**

Start Month: 10  
 Start Quarter: 1  
 Start Year: 2021

**- Phase Duration**

Number of Month: 8  
 Number of Days: 22

### 2.2.2 Paving Phase Assumptions

**- General Paving Information**

Paving Area (ft<sup>2</sup>): 293703

**- Paving Default Settings**

Default Settings Used: No  
 Average Day(s) worked per week: 5

**- Construction Exhaust**

Equipment Name	Number Of Equipment	Hours Per Day
Rubber Tired Dozers Composite	1	8

**- Vehicle Exhaust**

Average Hauling Truck Round Trip Commute (mile): 40

**- Vehicle Exhaust Vehicle Mixture (%)**

	LDGV	LDGT	HDGV	LDDV	LDDT	HDDV	MC
POVs	0	0	0	0	0	100.00	0

**- Worker Trips**

Average Worker Round Trip Commute (mile): 40

**- Worker Trips Vehicle Mixture (%)**

	LDGV	LDGT	HDGV	LDDV	LDDT	HDDV	MC
POVs	50.00	50.00	0	0	0	0	0

### 2.2.3 Paving Phase Emission Factor(s)

**- Construction Exhaust Emission Factors (lb/hour)**

<b>Bore/Drill Rigs Composite</b>
----------------------------------



# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0460	0.0017	0.3219	0.5007	0.0053	0.0053	0.0041	164.99
<b>Cement and Mortar Mixers Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0085	0.0001	0.0535	0.0414	0.0021	0.0021	0.0007	7.2674
<b>Cranes Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0845	0.0013	0.6033	0.3865	0.0228	0.0228	0.0076	128.82
<b>Graders Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0860	0.0014	0.5212	0.5747	0.0247	0.0247	0.0077	132.93
<b>Off-Highway Trucks Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.1369	0.0026	0.7382	0.5475	0.0246	0.0246	0.0123	260.39
<b>Rubber Tired Dozers Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.2015	0.0024	1.4660	0.7661	0.0581	0.0581	0.0181	239.53
<b>Surfacing Equipment Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0779	0.0016	0.5953	0.3859	0.0216	0.0216	0.0070	166.13

## - Vehicle Exhaust & Worker Trips Emission Factors (grams/mile)

	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	Pb	NH <sub>3</sub>	CO <sub>2e</sub>
LDGV	000.114	000.003	000.084	000.992	000.047	000.020		000.023	00298.845
LDGT	000.288	000.004	000.178	001.871	000.048	000.021		000.024	00379.038
HDGV	000.600	000.011	001.339	008.875	000.183	000.078		000.045	01128.468
LDDV	000.026	000.003	000.125	000.281	000.060	000.032		000.008	00271.718
LDDT	000.094	000.003	000.533	000.594	000.112	000.082		000.008	00364.857
HDDV	000.194	000.014	004.796	001.133	000.211	000.117		000.028	01514.699
MC	004.452	000.002	001.252	023.791	000.019	000.009		000.054	00187.891

## 2.2.4 Paving Phase Formula(s)

### - Construction Exhaust Emissions per Phase

$$CEE_{POL} = (NE * WD * H * EF_{POL}) / 2000$$

CEE<sub>POL</sub>: Construction Exhaust Emissions (TONs)

NE: Number of Equipment

WD: Number of Total Work Days (days)

H: Hours Worked per Day (hours)

EF<sub>POL</sub>: Emission Factor for Pollutant (lb/hour)

2000: Conversion Factor pounds to tons

### - Vehicle Exhaust Emissions per Phase

$$VMT_{VE} = PA * 0.25 * (1 / 27) * (1 / HC) * HT$$

VMT<sub>VE</sub>: Vehicle Exhaust Vehicle Miles Travel (miles)

PA: Paving Area (ft<sup>2</sup>)

0.25: Thickness of Paving Area (ft)

(1 / 27): Conversion Factor cubic feet to cubic yards ( 1 yd<sup>3</sup> / 27 ft<sup>3</sup>)

HC: Average Hauling Truck Capacity (yd<sup>3</sup>)

(1 / HC): Conversion Factor cubic yards to trips (1 trip / HC yd<sup>3</sup>)

HT: Average Hauling Truck Round Trip Commute (mile/trip)

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

$$V_{POL} = (VMT_{VE} * 0.002205 * EF_{POL} * VM) / 2000$$

$V_{POL}$ : Vehicle Emissions (TONs)  
 $VMT_{VE}$ : Vehicle Exhaust Vehicle Miles Travel (miles)  
0.002205: Conversion Factor grams to pounds  
 $EF_{POL}$ : Emission Factor for Pollutant (grams/mile)  
VM: Vehicle Exhaust On Road Vehicle Mixture (%)  
2000: Conversion Factor pounds to tons

## - Worker Trips Emissions per Phase

$$VMT_{WT} = WD * WT * 1.25 * NE$$

$VMT_{WT}$ : Worker Trips Vehicle Miles Travel (miles)  
WD: Number of Total Work Days (days)  
WT: Average Worker Round Trip Commute (mile)  
1.25: Conversion Factor Number of Construction Equipment to Number of Works  
NE: Number of Construction Equipment

$$V_{POL} = (VMT_{WT} * 0.002205 * EF_{POL} * VM) / 2000$$

$V_{POL}$ : Vehicle Emissions (TONs)  
 $VMT_{VE}$ : Worker Trips Vehicle Miles Travel (miles)  
0.002205: Conversion Factor grams to pounds  
 $EF_{POL}$ : Emission Factor for Pollutant (grams/mile)  
VM: Worker Trips On Road Vehicle Mixture (%)  
2000: Conversion Factor pounds to tons

## - Off-Gassing Emissions per Phase

$$VOC_P = (2.62 * PA) / 43560$$

$VOC_P$ : Paving VOC Emissions (TONs)  
2.62: Emission Factor (lb/acre)  
PA: Paving Area (ft<sup>2</sup>)  
43560: Conversion Factor square feet to acre (43560 ft<sup>2</sup> / acre)<sup>2</sup> / acre)

## 3. Construction / Demolition

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### 3.1 General Information & Timeline Assumptions

#### - Activity Location

County: Kern

Regulatory Area(s): East Kern Co, CA; Kern Co (Eastern Kern), CA

- Activity Title: Aratina Transmission EKAPCD

#### - Activity Description:

Construction would temporarily disturb approximately 4 acres (181972 square feet) in EKAPCD due to structure erection, wire, pulling, access roads, and trenching. Used for Site Grading. Approximately 2.2 acres (97901 square feet) would be permanently disturbed due to facilities and roadways. Used for paving, Water would be used onsite to limit fugitive dust emissions. The timing of construction would be coordinated with Edwards AFB with the majority of construction occurring between 6:00 am to 5:00 pm, Monday through Friday. Work Hours estimated at 8 hr/day.

- Activity Start Date

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

**Start Month:** 10  
**Start Month:** 2021

**- Activity End Date**

**Indefinite:** False  
**End Month:** 6  
**End Month:** 2022

**- Activity Emissions:**

Pollutant	Total Emissions (TONs)
VOC	1.185492
SO <sub>x</sub>	0.020541
NO <sub>x</sub>	7.178173
CO	5.267515
PM 10	16.059126

Pollutant	Total Emissions (TONs)
PM 2.5	0.260343
Pb	0.000000
NH <sub>3</sub>	0.003240
CO <sub>2e</sub>	2046.5

## 3.1 Site Grading Phase

### 3.1.1 Site Grading Phase Timeline Assumptions

**- Phase Start Date**

**Start Month:** 10  
**Start Quarter:** 1  
**Start Year:** 2021

**- Phase Duration**

**Number of Month:** 8  
**Number of Days:** 22

### 3.1.2 Site Grading Phase Assumptions

**- General Site Grading Information**

**Area of Site to be Graded (ft<sup>2</sup>):** 181972  
**Amount of Material to be Hauled On-Site (yd<sup>3</sup>):** 0  
**Amount of Material to be Hauled Off-Site (yd<sup>3</sup>):** 0

**- Site Grading Default Settings**

**Default Settings Used:** No  
**Average Day(s) worked per week:** 5

**- Construction Exhaust**

Equipment Name	Number Of Equipment	Hours Per Day
Bore/Drill Rigs Composite	1	8
Cement and Mortar Mixers Composite	1	8
Cranes Composite	1	8
Graders Composite	1	8
Off-Highway Trucks Composite	6	8
Rubber Tired Dozers Composite	1	8
Surfacing Equipment Composite	1	8

**- Vehicle Exhaust**

**Average Hauling Truck Capacity (yd<sup>3</sup>):** 20  
**Average Hauling Truck Round Trip Commute (mile):** 40

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

**- Vehicle Exhaust Vehicle Mixture (%)**

	LDGV	LDGT	HDBGV	LDDV	LDDT	HDDV	MC
POVs	0	0	0	0	0	100.00	0

**- Worker Trips**

Average Worker Round Trip Commute (mile): 40

**- Worker Trips Vehicle Mixture (%)**

	LDGV	LDGT	HDBGV	LDDV	LDDT	HDDV	MC
POVs	50.00	50.00	0	0	0	0	0

### 3.1.3 Site Grading Phase Emission Factor(s)

**- Construction Exhaust Emission Factors (lb/hour)**

<b>Bore/Drill Rigs Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0460	0.0017	0.3219	0.5007	0.0053	0.0053	0.0041	164.99
<b>Cement and Mortar Mixers Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0085	0.0001	0.0535	0.0414	0.0021	0.0021	0.0007	7.2674
<b>Cranes Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0845	0.0013	0.6033	0.3865	0.0228	0.0228	0.0076	128.82
<b>Graders Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0860	0.0014	0.5212	0.5747	0.0247	0.0247	0.0077	132.93
<b>Off-Highway Trucks Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.1369	0.0026	0.7382	0.5475	0.0246	0.0246	0.0123	260.39
<b>Rubber Tired Dozers Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.2015	0.0024	1.4660	0.7661	0.0581	0.0581	0.0181	239.53
<b>Surfacing Equipment Composite</b>								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0779	0.0016	0.5953	0.3859	0.0216	0.0216	0.0070	166.13

**- Vehicle Exhaust & Worker Trips Emission Factors (grams/mile)**

	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	Pb	NH <sub>3</sub>	CO <sub>2e</sub>
LDGV	000.114	000.003	000.084	000.992	000.047	000.020		000.023	00298.845
LDGT	000.288	000.004	000.178	001.871	000.048	000.021		000.024	00379.038
HDBGV	000.600	000.011	001.339	008.875	000.183	000.078		000.045	01128.468
LDDV	000.026	000.003	000.125	000.281	000.060	000.032		000.008	00271.718
LDDT	000.094	000.003	000.533	000.594	000.112	000.082		000.008	00364.857
HDDV	000.194	000.014	004.796	001.133	000.211	000.117		000.028	01514.699
MC	004.452	000.002	001.252	023.791	000.019	000.009		000.054	00187.891

### 3.1.4 Site Grading Phase Formula(s)

**- Fugitive Dust Emissions per Phase**

$$PM10_{FD} = (20 * ACRE * WD) / 2000$$

PM10<sub>FD</sub>: Fugitive Dust PM 10 Emissions (TONs)

20: Conversion Factor Acre Day to pounds (20 lb / 1 Acre Day)

ACRE: Total acres (acres)

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

WD: Number of Total Work Days (days)  
2000: Conversion Factor pounds to tons

## - Construction Exhaust Emissions per Phase

$$CEE_{POL} = (NE * WD * H * EF_{POL}) / 2000$$

CEE<sub>POL</sub>: Construction Exhaust Emissions (TONs)  
NE: Number of Equipment  
WD: Number of Total Work Days (days)  
H: Hours Worked per Day (hours)  
EF<sub>POL</sub>: Emission Factor for Pollutant (lb/hour)  
2000: Conversion Factor pounds to tons

## - Vehicle Exhaust Emissions per Phase

$$VMT_{VE} = (HA_{OnSite} + HA_{OffSite}) * (1 / HC) * HT$$

VMT<sub>VE</sub>: Vehicle Exhaust Vehicle Miles Travel (miles)  
HA<sub>OnSite</sub>: Amount of Material to be Hauled On-Site (yd<sup>3</sup>)  
HA<sub>OffSite</sub>: Amount of Material to be Hauled Off-Site (yd<sup>3</sup>)  
HC: Average Hauling Truck Capacity (yd<sup>3</sup>)  
(1 / HC): Conversion Factor cubic yards to trips (1 trip / HC yd<sup>3</sup>)  
HT: Average Hauling Truck Round Trip Commute (mile/trip)

$$V_{POL} = (VMT_{VE} * 0.002205 * EF_{POL} * VM) / 2000$$

V<sub>POL</sub>: Vehicle Emissions (TONs)  
VMT<sub>VE</sub>: Vehicle Exhaust Vehicle Miles Travel (miles)  
0.002205: Conversion Factor grams to pounds  
EF<sub>POL</sub>: Emission Factor for Pollutant (grams/mile)  
VM: Vehicle Exhaust On Road Vehicle Mixture (%)  
2000: Conversion Factor pounds to tons

## - Worker Trips Emissions per Phase

$$VMT_{WT} = WD * WT * 1.25 * NE$$

VMT<sub>WT</sub>: Worker Trips Vehicle Miles Travel (miles)  
WD: Number of Total Work Days (days)  
WT: Average Worker Round Trip Commute (mile)  
1.25: Conversion Factor Number of Construction Equipment to Number of Works  
NE: Number of Construction Equipment

$$V_{POL} = (VMT_{WT} * 0.002205 * EF_{POL} * VM) / 2000$$

V<sub>POL</sub>: Vehicle Emissions (TONs)  
VMT<sub>WT</sub>: Worker Trips Vehicle Miles Travel (miles)  
0.002205: Conversion Factor grams to pounds  
EF<sub>POL</sub>: Emission Factor for Pollutant (grams/mile)  
VM: Worker Trips On Road Vehicle Mixture (%)  
2000: Conversion Factor pounds to tons

## 3.2 Paving Phase

### 3.2.1 Paving Phase Timeline Assumptions

#### - Phase Start Date

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

Start Month: 10  
 Start Quarter: 1  
 Start Year: 2021

**- Phase Duration**

Number of Month: 8  
 Number of Days: 22

### 3.2.2 Paving Phase Assumptions

**- General Paving Information**

Paving Area (ft<sup>2</sup>): 97901

**- Paving Default Settings**

Default Settings Used: No  
 Average Day(s) worked per week: 5

**- Construction Exhaust**

Equipment Name	Number Of Equipment	Hours Per Day
Rubber Tired Dozers Composite	1	8

**- Vehicle Exhaust**

Average Hauling Truck Round Trip Commute (mile): 40

**- Vehicle Exhaust Vehicle Mixture (%)**

	LDGV	LDGT	HdGV	LDDV	LDDT	HDDV	MC
POVs	0	0	0	0	0	100.00	0

**- Worker Trips**

Average Worker Round Trip Commute (mile): 40

**- Worker Trips Vehicle Mixture (%)**

	LDGV	LDGT	HdGV	LDDV	LDDT	HDDV	MC
POVs	50.00	50.00	0	0	0	0	0

### 3.2.3 Paving Phase Emission Factor(s)

**- Construction Exhaust Emission Factors (lb/hour)**

Bore/Drill Rigs Composite								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0460	0.0017	0.3219	0.5007	0.0053	0.0053	0.0041	164.99
Cement and Mortar Mixers Composite								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0085	0.0001	0.0535	0.0414	0.0021	0.0021	0.0007	7.2674
Cranes Composite								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0845	0.0013	0.6033	0.3865	0.0228	0.0228	0.0076	128.82
Graders Composite								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0860	0.0014	0.5212	0.5747	0.0247	0.0247	0.0077	132.93
Off-Highway Trucks Composite								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.1369	0.0026	0.7382	0.5475	0.0246	0.0246	0.0123	260.39

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

Rubber Tired Dozers Composite								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.2015	0.0024	1.4660	0.7661	0.0581	0.0581	0.0181	239.53
Surfacing Equipment Composite								
	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	CH <sub>4</sub>	CO <sub>2e</sub>
Emission Factors	0.0779	0.0016	0.5953	0.3859	0.0216	0.0216	0.0070	166.13

## - Vehicle Exhaust & Worker Trips Emission Factors (grams/mile)

	VOC	SO <sub>x</sub>	NO <sub>x</sub>	CO	PM 10	PM 2.5	Pb	NH <sub>3</sub>	CO <sub>2e</sub>
LDGV	000.114	000.003	000.084	000.992	000.047	000.020		000.023	00298.845
LDGT	000.288	000.004	000.178	001.871	000.048	000.021		000.024	00379.038
HDBGV	000.600	000.011	001.339	008.875	000.183	000.078		000.045	01128.468
LDDV	000.026	000.003	000.125	000.281	000.060	000.032		000.008	00271.718
LDDT	000.094	000.003	000.533	000.594	000.112	000.082		000.008	00364.857
HDDV	000.194	000.014	004.796	001.133	000.211	000.117		000.028	01514.699
MC	004.452	000.002	001.252	023.791	000.019	000.009		000.054	00187.891

### 3.2.4 Paving Phase Formula(s)

#### - Construction Exhaust Emissions per Phase

$$CEE_{POL} = (NE * WD * H * EF_{POL}) / 2000$$

CEE<sub>POL</sub>: Construction Exhaust Emissions (TONs)

NE: Number of Equipment

WD: Number of Total Work Days (days)

H: Hours Worked per Day (hours)

EF<sub>POL</sub>: Emission Factor for Pollutant (lb/hour)

2000: Conversion Factor pounds to tons

#### - Vehicle Exhaust Emissions per Phase

$$VMT_{VE} = PA * 0.25 * (1 / 27) * (1 / HC) * HT$$

VMT<sub>VE</sub>: Vehicle Exhaust Vehicle Miles Travel (miles)

PA: Paving Area (ft<sup>2</sup>)

0.25: Thickness of Paving Area (ft)

(1 / 27): Conversion Factor cubic feet to cubic yards ( 1 yd<sup>3</sup> / 27 ft<sup>3</sup>)

HC: Average Hauling Truck Capacity (yd<sup>3</sup>)

(1 / HC): Conversion Factor cubic yards to trips (1 trip / HC yd<sup>3</sup>)

HT: Average Hauling Truck Round Trip Commute (mile/trip)

$$V_{POL} = (VMT_{VE} * 0.002205 * EF_{POL} * VM) / 2000$$

V<sub>POL</sub>: Vehicle Emissions (TONs)

VMT<sub>VE</sub>: Vehicle Exhaust Vehicle Miles Travel (miles)

0.002205: Conversion Factor grams to pounds

EF<sub>POL</sub>: Emission Factor for Pollutant (grams/mile)

VM: Vehicle Exhaust On Road Vehicle Mixture (%)

2000: Conversion Factor pounds to tons

#### - Worker Trips Emissions per Phase

$$VMT_{WT} = WD * WT * 1.25 * NE$$

VMT<sub>WT</sub>: Worker Trips Vehicle Miles Travel (miles)

WD: Number of Total Work Days (days)

WT: Average Worker Round Trip Commute (mile)

# DETAIL AIR CONFORMITY APPLICABILITY MODEL REPORT

1.25: Conversion Factor Number of Construction Equipment to Number of Works  
NE: Number of Construction Equipment

$$V_{POL} = (VMT_{WT} * 0.002205 * EF_{POL} * VM) / 2000$$

$V_{POL}$ : Vehicle Emissions (TONs)  
 $VMT_{VE}$ : Worker Trips Vehicle Miles Travel (miles)  
0.002205: Conversion Factor grams to pounds  
 $EF_{POL}$ : Emission Factor for Pollutant (grams/mile)  
VM: Worker Trips On Road Vehicle Mixture (%)  
2000: Conversion Factor pounds to tons

## - Off-Gassing Emissions per Phase

$$VOC_P = (2.62 * PA) / 43560$$

$VOC_P$ : Paving VOC Emissions (TONs)  
2.62: Emission Factor (lb/acre)  
PA: Paving Area (ft<sup>2</sup>)  
43560: Conversion Factor square feet to acre (43560 ft<sup>2</sup> / acre)<sup>2</sup> / acre)



1 - Paved Roads in AP-42 13.2.1, PM (lb/VMT) =  $k(sL)^{0.91} \cdot (W)^{1.02} \cdot (1-P/4N)$ , where sL=silt loading on road g/m<sup>2</sup> (0.015 g/m<sup>2</sup> for limited access roads, 0.6 for < 500 vehicles, 0.2 for 500 - 5000 vehicles), W=average weight of all vehicles (2.4 tons), P = number of precipitation days (36 for Kern County), N = number of days (365 for year); k=0.011 for PM, k=0.0022 for PM10, k=0.00054 for PM2.5  
 2 - Unpaved Public Roads in AP-42 13.2.2, PM (lb/VMT) =  $[k(s/12)^a(S/30)^b/(M/0.5)^c - C] \cdot (1-P/365)$ , where a=1, s=silt % (8.5 for construction site), S=speed, M=moisture, P = number precipitation days (36 for Kern County); k=6.0, c=0.3, d=0.3, C=0.00047 for PM; k=1.8, c=0.2, d=0.5, C=0.00047 for PM10; k=0.18, c=0.2, d=0.5, C=0.00036 for PM2.5

Moisture %	Weight of vehicles (tons)	Silt %	Water twice/day	Precipitation (days / yr)	Number of Vehicles	Speed Offroad	% Offroad	Miles / day	HRS / Day	HRS / Year	Days / Yr	Unpaved road PM lb/mi	Unpaved road PM10 lb/mi	Unpaved road PM2.5 lb/mi	Unpaved road PM lb/day	Unpaved road PM10 lb/day	Unpaved road PM2.5 lb/day	Unpaved road PM ton/yr	Unpaved road PM10 ton/yr	Unpaved road PM2.5 ton/yr	Mitigated unpaved road PM lb/mi	Mitigated unpaved road PM10 lb/mi	Mitigated unpaved road PM2.5 lb/mi	Mitigated unpaved road PM lb/day	Mitigated unpaved road PM10 lb/day	Mitigated unpaved road PM2.5 lb/day	Mitigated unpaved road PM ton/yr	Mitigated unpaved road PM10 ton/yr	Mitigated unpaved road PM2.5 ton/yr
0.50	2.40	4.30	30%	24.00	7	15	100%	13.0	11.00	1,892.0	172.0	1.631	0.426	0.042	1.5E+02	3.9E+01	3.8E+00	12.76	3.33	0.33	1.1E+00	3.7E-01	3.6E-02	1.0E+02	3.3E+01	3.3E+00	8.9E+00	2.9E+00	2.9E-01

% of Area	Adjustment of PM10		Adjustment of PM2.5	
	2021	2022	2021	2022
EKAPCD	0.25	0.32	0.51	0.03
MDAQMD	0.75	0.96	1.54	0.15

# Appendix D. Cultural Resources Technical Report



# Generation Tie Line Corridor for the Aratina Solar Farm Project

## Cultural Resources Technical Report

*prepared for*

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# Executive Summary

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Rincon Consultants, Inc. (Rincon) was retained by 8minute Solar Energy, to conduct a Phase I cultural resources study for the Generation Tie (Gen-Tie) Line Corridor of the Aratina Solar Farm Project on Edwards Air Force Base in Kern County, California. The project proposes the installation of Gen-Tie lines connecting Southern California Edison (SCE) Holgate Substation to Aratina Substation, through Edwards Air Force Base (EAFB). The project involves construction along the Gen-Tie route totaling 6.5 miles in length. This cultural resources study includes a cultural resources records search, a pedestrian survey of the project area, and the preparation of this technical report. The project must comply with the requirements of Section 106 of the National Historic Preservation Act (NHPA) as the project occurs on federally-owned lands administered by EAFB. Rincon understands that the United States Department of the Air Force is the federal lead agency.

The cultural resource records search and survey identified 14 previously recorded cultural resources within the project Area of Potential Effect (APE) (EAFB 0802, EAFB 1330, EAFB 2721/P-15-006596, EAFB 2724, EAFB 2734, EAFB 2735, EAFB 3219, EAFB 3737, EAFB 3738, EAFB 3817, EAFB 3852, EAFB 3853, EAFB 3854, and EAFB 3893) and one newly recorded resource (ARA-S-003). Of the previously recorded resources, eight were relocated during the current survey effort (EAFB 0802, EAFB 2721, EAFB 2734, EAFB 2735, EAFB 3219, EAFB 3737, EAFB 3738, and EAFB 3852). The remaining six previously recorded resources were not relocated during the survey (EAFB 1330, EAFB 2724, EAFB 3817, EAFB 3853, EAFB 3854, and EAFB 3893).

Each of the previously recorded resources relocated by Rincon and ARA-S-003 have been recommended ineligible for listing in the NRHP and therefore do not qualify as historic properties under Section 106 of the NHPA. Rincon is not able to provide a recommendation of eligibility for the six sites that were not relocated. However, each site is presumed to have been destroyed by military activities and/or construction of the existing utility corridor. As the resources are no longer extant, they require no further management consideration under Section 106 of the NHPA.

Rincon recommends a finding of ***no effect to historic properties*** under Section 106 of NHPA. The archaeological sensitivity of the APE has been identified as low based on the project description; however, there is always a possibility of encountering unanticipated archaeological resources during ground disturbing activities. Standard conditions for the treatment of unanticipated discoveries are recommended. Archaeological and Native American monitoring may further reduce the likelihood of disturbing unknown cultural resources.

## Unanticipated Discovery of Cultural Resources

If any prehistoric or historic artifacts, or other indications of archaeological resources such as unusual deposits of stone, bone or shell, stone artifacts, or historic trash deposits or foundations are discovered once ground-disturbing activities are underway, work in the immediate area should halt until the find can be evaluated by a qualified archaeologist. If the find is determined to qualify as a historic property, efforts to avoid or mitigate any potential adverse effects should be developed by the qualified archaeologist in consultation with EAFB environmental staff. The appropriate treatment (e.g., avoidance, data recovery) should be determined on a case-by-case basis depending on the nature of the find.

## Unanticipated Discovery of Human Remains

The discovery of human remains is always a possibility during ground disturbing activities. If human remains are found the base archaeologist or designated representative shall be notified immediately. The base archaeologist, or designated representative, shall notify the County Coroner to determine the nature of the remains (e.g., modern vs. prehistoric). Should the remains be determined to be prehistoric in nature, EAFB shall comply with all appropriate federal laws and regulations (e.g., Native American Graves Protection and Repatriation Act).



# 1 Introduction

---

Rincon Consultants, Inc. (Rincon) was retained by 8minute Solar Energy, to conduct a Phase I cultural resources study for the Generation Tie (Gen-Tie) Line Corridor of the Aratina Solar Farm Project on Edwards Air Force Base (EAFB) in Kern County, California. The project consists of construction along the Gen-Tie Line Corridor totaling 6.5 miles in length. This cultural resources study includes a cultural resources records search, a pedestrian survey, and the preparation of this technical report according to the Archaeological Resources Management Report (ARMR) guidelines. The project must comply with the requirements of Section 106 of the National Historic Preservation Act (NHPA). Rincon understands that the United States Department of the Air Force is the federal lead agency.

## 1.1 Project Description

Power generated by the proposed Aratina Solar Farm would be delivered from the Aratina project site, located entirely on private land, via an up to 230 kV electrical transmission line originating from an on-site substation and terminating at the existing SCE Kramer Substation. The proposed line would be located entirely within an existing Edwards Air Force Base utility corridor (Corridor 5) and would utilize single- or double-circuit monopole and/or H-frame structures, typically spaced 500 to 700 feet apart.

## 1.2 Area of Potential Effects

The project consists of a 6.5-mile corridor through the northern extend of EAFB south of highway 58 between the City of Boron and Kramer Junction. The project lies within portions of Kern County and San Bernardino County.

36 Code of Federal Regulations (CFR) 800.16(d) defines the APE of a project as the “geographic area or areas within which a project may directly or indirectly cause changes in the character or use of historic properties if any such property exists.” The APE includes all areas expected to be affected by the proposed undertaking, including staging and construction areas. The direct APE footprint for the project includes 150-foot-wide, 6.5-mile Gen-Tie alignment. Because the project will be constructed entirely within an existing utility corridor, Rincon assumes that no indirect APE is required as the project will not alter the existing setting of the APE. The APE is depicted in Figure 1a through Figure 1c.

Figure 1a *Confidential information removed from public review*

Figure 1b *Confidential information removed from public review*

Figure 1c *Confidential information removed from public review*

## 1.3 Regulatory Setting

### Federal

Cultural resources are considered during federal undertakings chiefly under Section 106 of the NHPA of 1966 (as amended) through one of its implementing regulations, 36 CFR 800 (Protection of Historic Properties), and the National Environmental Policy Act. Properties of traditional religious and cultural importance to Native Americans are considered under Section 101(d)(6)(A) of NHPA. Other federal laws include the Archaeological and Historic Preservation Act of 1974, the American Indian Religious Freedom Act of 1978, the Archaeological Resources Protection Act of 1979, and the Native American Graves Protection and Repatriation Act of 1989, among others.

Section 106 of the NHPA (16 United States Code 470f) requires federal agencies to take into account the effects of their undertakings on any district, site, building, structure, or object included in or eligible for inclusion in the NRHP, and to afford the Advisory Council on Historic Preservation a reasonable opportunity to comment on such undertakings (36 CFR 800.1). Under Section 106, the significance of any adversely affected cultural resource is assessed and mitigation measures are proposed to reduce any impacts to an acceptable level. Significant cultural resources are those resources listed in or are eligible for listing in the NRHP per the criteria listed below (36 CFR 60.4).

According to Section 106, the quality of significance in American history, architecture, archaeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association and meet one or more of the following criteria:

- A. Are associated with events that have made a significant contribution to the broad patterns of our history
- B. Are associated with the lives of persons significant in our past
- C. Embody the distinctive characteristics of a type, period, or method of installation, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction
- D. Have yielded, or may be likely to yield, information important in prehistory or history

### Personnel

Rincon Cultural Resources Principal Investigator Hannah Haas, M.A., Registered Professional Archaeologist (RPA), served as principal investigator for the study and co-authored this report. Ms. Haas meets the Secretary of the Interior's Professional Qualifications Standards for prehistoric and historic archaeology (NPS 1983). Ms. Haas conducted the cultural resources records search and is the primary author of this report. Rincon archaeologists Dustin Merrick, B.A. and Courtney Montgomery, B.A. conducted the pedestrian field survey of the APE. GIS Analysts Allysen Valencia prepared the figures found in this report. Rincon Principal and Archaeologist Christopher Duran, M.A., RPA, reviewed this report for quality control.

## 2 Natural and Cultural Setting

### 2.1 Natural Setting

The APE is located in the Mojave Desert within Edwards Air Force Base near the intersection of U.S. Highway 395 and Barstow Bakersfield Highway. The APE is situated at an average elevation of 780 meters (m) (2560 feet [ft]) above mean sea level (AMSL). Native plants within the APE would have included yuccas, Joshua trees, and cholla, with various other species of plant located in the Mojave Desert depending on elevation (National Park Service 2020). The APE consists generally of cholla, Joshua trees, creosote brush scrub, allscale scrub, and fourwing brush scrub.

### 2.2 Cultural Setting

#### Prehistoric Context

Table 1 Cultural Chronology for the Mojave Desert

Approximate Date Range	Temporal Period	Cultural Complex	Previously Known As
Pre-12,000 cal BP*	Late Pleistocene	Pre-Clovis	Early Man Pre-Projectile Point
12,000-10,000 cal BP	Terminal Pleistocene	Paleoindian	Clovis Big Game Hunting Tradition
10,000-8,000 cal BP.	Early Holocene	Lake Mojave Pinto	Western Pluvial Lakes Tradition San Dieguito Complex
9,000-5,000 cal BP	Middle Holocene	Deadman Lake	Little Lake N/A
4,000-1,600 cal BP	Late Holocene	Gypsum	Newberry
1,600-850 cal BP		Rose Spring	Saratoga Springs I Haiwee
850 cal BP – Historic		Late Prehistoric	Shoshonean Marana Protohistoric

\*cal BP refers to Before Present (BP) dates derived by radiocarbon dating, “calibrated” to the year 1950, which is used as the “modern carbon” reference point.

Source: Sutton et al. 2007:236

#### Pleistocene Period (12,000 to 10,000 cal BP)

The climate of the Pleistocene Period in the Mojave Desert is generally characterized as cool and wet (Sutton et al. 2007: 231). During this time, the Mojave Desert featured several pluvial lakes. The presence of lakes generally indicates an environment with plentiful food and water resources suitable for early human habitation, especially compared to the harsher desert environment now present. However, claims of pre-Clovis (ca. before 11,500 BP) archaeological sites in the Mojave Desert remain controversial and are not accepted by most professional archaeologists. Nonetheless,

it is possible that such occupation occurred and sites with reliable early dates may yet be found, as has happened elsewhere in the Americas.

The Clovis Complex is the earliest and only Paleo-Indian cultural complex widely accepted in the Mojave Desert (Sutton et al. 2007:233-234). Dating to approximately 11,500 BP, this complex is defined predominantly by large lanceolate-shaped bifaces with fluting, prepared to thin and flatten the base of the artifact for hafting. Other tools associated with the Clovis Complex include large side scrapers, blades derived from prepared cores, and a mixture of expedient flaked tools (Justice 2002:73). Paleo-Indian populations associated with fluted point technology consisted of small, mobile groups who hunted and gathered near permanent sources of water such as pluvial lakes. The tools associated with these populations are found most commonly in the drainage basins of the pluvial lakes (Sutton et al. 2007:234).

Fluted points have been interpreted traditionally as tools used for hunting Pleistocene megafauna due to their clear association with megafaunal remains in the Great Plains and Southwest, but most fluted points found in California have lacked corroborating Pleistocene radiocarbon dates (Arnold et al., 2004). One exception was found during excavations at China Lake in the early 1970s, where fluted points associated with burned remains of extinct megafauna were uncovered (Davis 1975). As Davis and Panlaqui (1978:31) noted, the sites at China Lake demonstrate that Paleo-Indians exploited many available resources, not just megafauna.

Evidence of terminal Pleistocene and early Holocene habitation in the Mojave Desert has remained sparse until recently. Evidence of late Pleistocene occupation was identified on the southern slopes of the Tehachapi Mountains near Cottonwood Creek in the form of a basal fragment of a fluted Clovis projectile point (Glennan, 1971, 1987). Basgall and Overly (2004) have found evidence of occupation near Pleistocene China Lake and Fort Irwin yielding radiocarbon dates from 9,500-8,000 cal BP.

#### Early Holocene (10,000 to 8,000 cal BP)

Warmer temperatures, reduced precipitation, and the eventual drying up of the Pleistocene pluvial lakes mark the onset of the Early Holocene. These changes are believed to have caused an irregular distribution of resources available to the Early Holocene inhabitants (Sutton et al. 2007:237). The shallow lakes and marshes of the Mojave Desert during this period were biologically productive, but surrounded by desert vegetation typical of later periods, initially dominated by white bursage and later, by creosote bush (Grayson 1993:199-200). The Lake Mojave Complex is the only clear complex in the region during this time and reflects an increasingly diversified subsistence strategy that was necessary for successful adaptation to climatic changes.

The Lake Mojave Complex is identified primarily by heavy, stemmed projectile points attributable to the Great Basin Stemmed series, such as Lake Mojave and Silver Lake. Other Lake Mojave Complex tools include bifaces, steep-edged unifaces, crescents, the occasional cobble-core tool, and, infrequently, ground stone implements (Justice 2002:91). Settlement organization components include extensive residential accumulations, workshops, and small camps containing a handful of formed tools (Sutton et al. 2007: 237).

While earlier research presumed a dependence on lacustrine subsistence strategies, recent studies have found Lake Mojave Complex sites in other contexts (e.g., Basgall 2005, Basgall and Jurich 2006, Giambastiani and Berg 2008:14). Sutton et al. (2007:237) stated that the Lake Mojave assemblages included tools that are “consistent with long-term curation and transport.” The presence of exotic

lithic materials and marine shell beads in Lake Mojave Complex assemblages further supports the assertion that these people were highly mobile and possibly traded with groups over long distances.

#### Middle Holocene (9,000 to 5,000 cal BP)

The middle Holocene climate was generally more arid than periods before and after, but experienced multiple oscillations between wetter and drier conditions throughout the middle Holocene. The desiccation of the lakes and marshes of the Pleistocene and early Holocene required the region's inhabitants to rely on streams and springs for water, resulting in lower occupational densities (Aikens 1978, Basgall 2000, Cleland and Spaulding 1992, Sutton 1996, Warren 1984). Average temperatures and aridity increased, peaking between 8000 and 6000 cal BP. Settlement patterns adapted, including a shift to upland settings where sources of water still existed and changes in tool assemblage content and diversity marking the emergence of the Pinto Complex (Sutton 1996).

Campbell and Campbell defined the Pinto Complex in 1935 based on their work at the Pinto Basin site, but the complex has a wider distribution throughout the Mojave Desert than previous ones. During the latter part of the Early Holocene, archaeological data indicate that the Pinto Complex overlaps the Lake Mojave Complex (Sutton et al., 2007:237). The Pinto Complex reflects shifts in subsistence patterns and adaptation to the shrinking of the Pleistocene lakes, including a greater emphasis on the exploitation of plants, with the continued pursuit of artiodactyls and smaller game. The broad distribution of this complex implies a high degree of residential mobility. The hallmarks of the Pinto Complex tool assemblage include concave base and bifurcate base projectile points with strong basal ears and more gradual shoulders (Justice 2002:126, Zyniecki 2003:12). Other diagnostic artifacts of this complex include domed and keeled scrapers, large and small leaf-shaped bifaces, core/cobble tools, large metates and milling slabs, and shaped and unshaped handstones.

Near the end of the middle Holocene the climate became increasingly hotter and more arid. Very few sites date to this period, falling between 5000 and 4000 cal BP. This suggests that populations were very low. It is possible that some areas were abandoned during this hot period (Sutton et al. 2007:241).

#### Late Holocene (4,000 cal BP to European Contact)

The climate of the late Holocene was similar to current conditions: cooler and moister than the middle Holocene, but not as cool and moist as the early Holocene. The climate remained highly variable with periods that included the Mojave lakes refilling to levels of earlier high stands, contrasted with at least two major droughts, circa 1124 to 904 BP, and circa 807 to 660 BP (Stine 1994). A cooler and wetter period occurred between 550 and 100 cal BP (Cleland and Spaulding 1992:4). These climatic changes at the onset of the late Holocene once again resulted in modified subsistence strategies and correlating tool kits of three progressive cultural complexes: Gypsum Complex, Rose Spring Complex, and Late Prehistoric Complex (or period).

Dart-point size projectile points including notched or eared (Elko), concave base (Humboldt), and small-stemmed (Gypsum) types characterized the projectile points of the Gypsum Complex. In addition to these diagnostic points, Gypsum Complex sites included leaf-shaped points, rectangular-based knives, flake scrapers, drills, and occasionally, large scraper planes, choppers, and hammerstones (Warren 1984:416). Manos and milling stones were common, and the mortar and pestle were also introduced during this period. Other artifacts found at Gypsum Complex sites include split-twig animal figurines, *Olivella* shell beads, and *Haliotis* beads and ornaments, which are indicative of trade with people from the southern California coast and southern Great Basin. The

inhabitants of the Mojave Desert exported high-quality locally available CCS tool stone such as obsidian, chalcedony, and chert in exchange for exotic materials.

By 1750 cal BP, a slightly cooler climate appears to have provided for increased population, based on a higher frequency of archaeological sites. The Rose Spring Complex was present from approximately 1815 to 915 cal BP, with regional temporal variations known as the Saratoga Springs, Haiwee, or Amargosa periods (Sutton 1996, Sutton et al. 2007:236). The smaller Rose Spring projectile points replaced the dart-size points of previous complexes and heralded the introduction of the bow and arrow (Yohe 1998). The bow and arrow provided its user a way to rapidly fire multiple projectiles during hunting or warfare and from a position of relative security compared to the atlatl or spear. This technological innovation appears to correspond with the onset of the Numic expansion westward to the coast, which some researchers believe started from southeastern California (Bettinger and Baumhoff 1982, Grayson 1993). Bedrock milling features supplement portable milling stones in villages and ancillary sites within the California deserts.

The Late Prehistoric period (circa 900–250 cal BP) corresponds to the introduction of ceramic artifacts in the Mojave Desert region as well as replacement of Rose Spring projectile points with even smaller Desert Side-notched points and Cottonwood series points. Use of mortar and pestle became more widespread during this period and evidence of food storage facilities becomes increasingly common in the archaeological record. In the central Mojave Desert, the Mojave River became a primary focus of occupation, and trade networks increased along the Mojave River and over the San Gabriel Mountains (Sutton 1996).

Archeological evidence left by highly mobile hunter-gatherers in the Mojave Desert during the Late Prehistoric period is typified by sparse scatters of flaked stone, ground stone, and ceramic artifacts and features such as hearths, rock rings, and trails

## 2.3 Ethnographic Context

The APE is within a transitional zone that was occupied by multiple cultural groups including the Serrano, Kitanemuk and Tataviam (cf., Bean and Smith 1978; Blackburn and Bean 1978; Kroeber 1925; Sutton 1988). All of these groups are better associated with portions of the surrounding mountains – Serrano to the northeast, Kitanemuk to the northwest, Tataviam to the southwest – but all of them likely visited the Antelope Valley floor as part of their resource exploitation strategies. Ethnographic boundaries in the Mojave Desert are loosely defined, owing to the highly mobile nature of desert settlement and resource extraction strategies, as well as the variety of interpretations presented by previous researchers. The following sections provide brief overviews of the three groups within the APE likely to have ethnographically used the area.

### Serrano

The Serrano occupied an area in and around the San Bernardino Mountains between approximately 450 and 3,350 meters (1,500-11,000 feet) above mean sea level. Their territory extended west of the Cajon Pass, east past Twentynine Palms, north of Victorville, and south to Yucaipa Valley. The Serrano language is part of the Serran division of a branch of the Takic family of the Uto-Aztecan linguistic stock (Mithun 2001:539, 543). The two Serran languages, Kitanemuk and Serrano, are closely related. Kitanemuk lands were northwest of Serrano lands. Serrano was spoken originally by a relatively small group located within the San Bernardino and Sierra Madre mountains, and the term “Serrano” has come to be ethnically defined as the name of the people in the San Bernardino Mountains (Kroeber 1925:611). The Vanyume, who lived along the Mojave River and associated

Mojave Desert areas and are also referred to as the Desert Serrano, spoke either a dialect of Serrano or a closely related language (Mithun 2001:543). Year-round habitation tended to be located on the desert floor, at the base of the mountains, and up into the foothills, with all habitation areas requiring year-round water sources (Bean and Smith 1978).

Most Serrano lived in small villages located near water sources (Bean and Smith 1978:571). Houses measuring 12 to 14 feet in diameter were domed and constructed of willow branches and tule thatching; they were occupied by a single extended family. Many of the villages had a ceremonial house, used both as a religious center and the residence of the lineage leaders. Additional structures within a village might include granaries and a large circular subterranean sweathouse. The sweathouses were typically built along streams or pools. A village was usually composed of at least two lineages. The Serrano were organized loosely along patrilineal lines and associated themselves with one of two exogamous moieties or “clans”—the Wahiyam (coyote) or the Tukum (wildcat) moiety.

The subsistence economy of the Serrano was one of hunting and collecting plant goods, with occasional fishing (Bean and Smith 1978:571). They hunted large and small animals, including mountain sheep, deer, antelope, rabbits, small rodents, and various birds, particularly quail. Plant staples consisted of seeds; acorn nuts of the black oak; piñon nuts; bulbs and tubers; and shoots, blooms, and roots of various plants, including yucca, berries, barrel cacti, and mesquite. The Serrano used fire as a management tool to increase yields of specific plants, particularly chía.

Trade and exchange were important aspects of the Serrano economy. Those living in the lower-elevation, desert floor villages traded foodstuffs with people living in the foothill villages who had access to a different variety of edible resources. In addition to inter-village trade, ritualized communal food procurement events, such as rabbit and deer hunts and piñon, acorn, and mesquite nut-gathering events, integrated the economy and helped distribute resources that were available in different ecozones.

Contact between Serrano and Europeans was relatively minimal prior to the early 1800s. As early as 1790, however, Serrano began to be drawn into mission life (Bean and Vane 2002). More Serrano were relocated to Mission San Gabriel in 1811 after a failed indigenous attack on that mission. Most of the remaining western Serrano were moved to an asistencia built near Redlands in 1819 (Bean and Smith 1978:573).

A smallpox epidemic in the 1860s killed many indigenous southern Californians, including many Serrano (Bean and Vane 2002). Oral history accounts of a massacre in the 1860s at Twentynine Palms may have been part of a larger American military campaign that lasted 32 days (Bean and Vane 2002:10). Surviving Serrano sought shelter at Morongo with their Cahuilla neighbors; Morongo later became a reservation (Bean and Vane 2002). Other survivors followed the Serrano leader, Santos Manuel, down from the mountains and toward the valley floors and eventually settled what later became the San Manuel Band of Mission Indians Reservation, formally established in 1891.

Both the San Manuel Band of Mission Indians and the Morongo Band of Mission Indians are federally recognized tribes and include Serrano. People of both tribes participate in cultural programs to revitalize traditional languages, knowledge, and practices.

## Kitanemuk

The Kitanemuk are one of the least-understood ethnographic groups in California, despite being considered by researchers as the primary aboriginal inhabitants of Antelope Valley (Sutton 1979, 1987, 1988). Kitanemuk territory extended from the Tehachapi Mountains at the northwestern edge

of the Antelope Valley southeast to beyond Rosamond Lake, although their populations were most dense in the mountains at the southern end of the San Joaquin Valley (Blackburn and Bean 1978:564; Kroeber 1925:611). The Kitanemuk were primarily mountain dwellers who lived in semi-permanent village sites that functioned as year-round base camps; during the late winter and early spring, expeditions ventured onto the desert floor in pursuit of available seasonal resources (Earle 1997).

Kroeber (1925:611) noted that the Kitanemuk were a subdivision of the Serrano, and thus spoke a language of the Takic family that was similar to dialects spoken by groups living as far south and east as Yucca Valley and Twentynine Palms. Although some aspects of Kitanemuk social organization are similar to those of other Takic speaking groups, Blackburn and Bean (1978:564) argue that Kitanemuk ritual, mythology, and shamanism were most strongly shaped by their neighbors to the north (Kawaiisu and Tubatulabal) and west (Chumash). The Kitanemuk appear to have enjoyed particularly strong trade ties with coastal and inland Chumash groups (Blackburn and Bean 1978:564; Kroeber 1925:613). Modern-day descendants of the Kitanemuk live at the Tule River Reservation, Porterville, and Tejon Ranch (Four Directions Institute 2007).

### Tataviam

Like the Kitanemuk, the Tataviam were not well documented by early ethnographers. However, researchers today generally agree that the Tataviam spoke a Uto-Aztecan language, most likely a Takic language (Hudson 1982). Tataviam territory included the upper Santa Clara River from Piru Creek eastward, extending over the Sawmill Mountains to the southwest edge of the Antelope Valley (King and Blackburn 1978). Their territory was bounded on the west and north by various Chumash groups; on the south by the Tongva (Gabrielino and Fernandño, though some Tataviam were also identified as Fernandño because of their association with Mission San Fernando); and to the east by the Kitanemuk and Serrano.

Exogamous marriage was common, with Tataviam intermarrying with Tongva, Chumash, and Kitanemuk neighbors (King and Blackburn 1978). King and Blackburn (1978) hypothesize that the Tataviam relied on yucca as a food source more than their neighbors because of the predominance of large south-facing slopes within their territory. Additional food resources included acorns, sage seeds, berries, small mammals, and deer. Settlement size ranged from 10 to 200 persons, with small settlements often ancillary to large villages. Archaeological evidence from Bower's Cave – located between Newhall and Piru – combined with ethnographic evidence suggest their ritual organization was similar to both the Chumash and Gabrielino, whose lifestyles were distinct from one another. By 1810, the Tataviam were almost completely “missionized” through baptism at Mission San Fernando.

## 2.4 Historic Setting

Post-European contact history for the state of California is divided generally into three periods: the Spanish Period (1769 to 1822), the Mexican Period (1822 to 1848), and the American Period (1848 to present). The following provides a general discussion of the history of California following European contact.

### Spanish Period (1769 to 1822)

In 1542, Juan Rodriguez Cabrillo led the first European expedition to observe what is now called southern California. For more than 200 years, Cabrillo and other Spanish, Portuguese, British, and



Russian explorers sailed the Alta (upper) California coast and made limited inland expeditions, but they did not establish permanent settlements (Bean 1968, Rolle 2003).

Gaspar de Portolá and Franciscan Father Junípero Serra established the first Spanish settlement in Alta California at Mission San Diego de Alcalá in 1769. This was the first of 21 missions erected by the Spanish between 1769 and 1823. While Spanish missions were established in San Bernardino County, Native Americans in the region were influenced by other Native Americans migrating to the area, driven from their homelands by encroachment of the Spanish.

During this period, Spain also deeded ranchos to prominent citizens and soldiers, though very few in comparison to the following Mexican Period. To manage and expand herds of cattle on these large ranchos, colonists enlisted the labor of the surrounding Native American population (Engelhardt 1927a). The missions were responsible for administrating the local people as well as converting the population to Christianity (Engelhardt 1927b). Inevitably, this increased local population density and contact with diseases brought by Europeans greatly reduced the Native American population (McCawley 1996).

The first known Spanish explorers to enter the Mojave Desert were a group of soldiers led by Pedro Fages in 1772. In 1776, Friar Francisco Garcés, traveled through the area coming from the Colorado River (Hoover et al. 2002:321). Friar Garcés traveled as far as the Pacific coast along an ancient trade route, known as the Mojave Trail, and he named the Mojave River Arroyo de los Mártires (Stream of the Martyrs). The river was later named Rio de las Animas (River of Souls) by Fr. Joaquín Pasqual Nuez, who accompanied the 1819 expedition of Lt. Gabriel Moraga.

#### Mexican Period (1822 to 1848)

The Mexican period commenced when news of the success of the Mexican Revolution (1810-1821) against the Spanish crown reached California in 1822. This period saw extensive interior land grant development as well as exploration west of the Sierra Nevada Mountains by American fur trappers. The California missions declined in power and were ultimately secularized in 1834. The hallmark of the Mexican period was large ranchos deeded to prominent Mexican citizens, frequently soldiers, by the governor. These ranchos became important economic and social centers. However, no ranchos were claimed in the arid Mojave Desert. Rancho La Liebre, situated on the southern border of Kern County and northern border of Los Angeles County, was the closest land grant to the current APE, located approximately 80 kilometers (50 miles) to the west. Governor Pío Pico and his predecessors made more than 600 rancho grants between 1833 and 1846, putting most of the state's lands into private ownership for the first time (Gumprecht 1999). During the Mexican period, trappers and explorers from the eastern United States repeatedly journeyed westward. Jedidiah Strong Smith, one of these early American adventurers, traveled through the Mojave Desert in 1826 and 1827 and nicknamed the Mojave River the "Inconstant River" because of its frequent disappearance beneath the ground surface.

#### American Period (1848 – Present)

The American Period officially began with the signing of the Treaty of Guadalupe Hidalgo in 1848, in which the United States agreed to pay Mexico \$15 million for the conquered territory, including California, Nevada, Utah, and parts of Colorado, Arizona, New Mexico, and Wyoming. In 1850, California was admitted to the Union as the 31st state.

The discovery of gold in northern California in 1848 led to the California Gold Rush and subsequent farming and city/town development in the northern/central portions of California. Southern

California remained dominated by cattle ranches in the early American Period, though droughts and increasing population resulted in ranching being increasingly supplanted by farming and more urban professions through the late nineteenth century. By 1853, the population of California exceeded 300,000. Thousands of settlers and immigrants continued to immigrate into the state, particularly after the completion of the transcontinental railroad in 1869.

During the Gold Rush, thousands of people traveled the Mojave River Trail from points east, attempting to reach the fabled goldfields of California. Captain John C. Frémont called the Mojave River Trail the Old Spanish Trail until he met a group of Native Americans northeast of Victorville who told Frémont they had lived along the Mojave River and the mountains to the north and traded with other indigenous peoples in the region along the Mojave River Trail (Frémont 1845:260).

## Boron

Boron is a census-designated place in the County of Kern, California, and is most famous for its extensive colemanite (a borax ore) deposits used in the production of boron and boric acid. In 1925, one of the largest deposits of borax was discovered and led to the establishment of the world's largest boron mine (Shumway et al. 1980). This mine is still in existence today and employs nearly 800 people in Boron, supplying nearly half the world's boron.

## Edwards Air Force Base

Edwards Air Force Base is situated within the northwestern portion of the Mojave Desert. The area was primarily inhabited by miners until 1876 when the Southern Pacific Railroad built a rail line from Barstow to Mojave, California. In 1910, the Corum family settled in the area, farming alfalfa and raising turkeys. In addition, the Corum's opened a post office and general store, and obtained water well drilling and land clearing contracts, later requesting to name the town Muroc. Over the next 20 years, isolated homesteads started to line the area and eventually, in 1933, Lt. Col. H. H. Arnold transformed the desert wasteland into a gunnery range. Building on Lt. Col. Arnold's idea and the events of World War II, The Muroc Army Air Base was established by 1942 (Edwards' History 2009).

The Muroc Army Air Base was used as a training center and later housing pilot testing for the first fighter jet planes in America. The Muroc Army Air Base then became a proving ground for Navy and Air Force jets produced as a result of the Cold War arms race with the Soviet Union. Several famous pilots began filtering through the Muroc Army Air Base including Chuck Yeager who would break the sound barrier in 1947. The base was renamed Edwards Air Force Base in 1949 following the death of Capt. Glen Edwards who died during a test flight at the base. As the research grew, the U. S. Air Force moved the test pilot school to Edwards and designated the base as the U. S. Air Force Flight Test Center, growing into a 300,000-acre base. Over the course of the 1950's testing continued on the base, new Mach levels were reached, and the century series fighter jets were born (Edwards' History 2009).

By the 1960s the space race was in full swing and the testing school temporarily transitioned the goal from pilot testing to aerospace research and astronaut training. Additionally, during this time the first stealth aircraft was developed. By the 1970's the test school transitioned their efforts back to pilot training and integrated aerospace advancements. These advancements brought the development of new aircrafts. Making further strides, in 1981, the Columbia Space Shuttle landed at Edwards Air Force Base after maintaining a two day orbit. Not only did the 1980's bring the landing of the Columbia Space Shuttle, it also brought the development of the B-2 Spirit Bomber and the F-117. By the turn of the decade aircraft research, development, testing, and evaluation continued to

grow and new aircraft series took to the skies. This progress continued into the new millennia and continues to today (Edwards' History 2009).

## 3 Background Research

### 3.1 EAFB Cultural Resources Records

8minute Solar Energy provided Rincon with locational data and resource numbers for all cultural resources on file with EAFB within the APE. Based on this information, Rincon requested copies of site records for all cultural resources within the APE from the EAFB Environmental Management Office. Rincon received EAFB records on June 29, 2020. All resources recorded within the APE by EAFB are listed in Table 2 and discussed further below.

Table 2 EAFB Previously Recorded Resources within the APE

Primary Number	Trinomial	Resource Type	Description	Recorder(s) and Year(s)	NRHP Status
EAFB 0802	CA-SBR-7431H	Historic Road	Remnants of historic wagon road	1993 (M. Macko, Macko Archaeological Consulting); 2004 (K. Davis, JT3/CH2M HILL); 2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech, Inc.)	Not eligible
EAFB 1330		Historic Site	Refuse deposit	1993 (K.E. Buescher); 2001 (S. Ashkar, C. Fish, Jones & Stokes Associates, Inc.); 2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech, Inc.)	Not evaluated
EAFB 2721/ P-15-006596	CA-KER-0053330H	Historic Site	Refuse deposit	1998 (G. Greene, M. Ronning, Computer Sciences Corporation); 2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech, Inc.)	Not evaluated
EAFB 2724/ P-15-007160	CA-KER-005510H	Historic Site	Refuse deposit	1998 (G. Greene, M. Ronning, Computer Sciences Corporation); 2004 (K. Davis, JT3/CH2M HILL); 2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech, Inc.)	Not evaluated
EAFB 2734/ P-36-009483	CA-SRB-9483H	Historic Site	Refuse deposit	1997 (S. Uchitel, H. Switalski, S. Gilardi); 2002 (H. Puckett, J. Keasling, K. Guardardo, Earth Tech);	Found ineligible for NRHP through survey evaluation

Primary Number	Trinomial	Resource Type	Description	Recorder(s) and Year(s)	NRHP Status
EAFB 2735/ P-36- 009484	CA-SBR- 9484H	Historic Site	Refuse deposit	1997 (M. Walsh, B. Gothar, H. Switalsk, Ancient Enterprises, Inc.); 2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech, Inc.)	Not evaluated
EAFB 3219	CA-SBR- 10727H	Historic Site	Refuse deposit	2000 (A. Gueyger, G. Alcock, C. Havelaar, Jones & Stokes); 2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech, Inc.)	Not evaluated
EAFB 3737	CA-SBR- 12450H	Historic Site	Refuse deposit	2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech, Inc.)	Not eligible
EAFB 3738	CA-SBR- 12451H	Historic Site	Refuse deposit	2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech, Inc.)	Not evaluated
EAFB 3817		Historic Road	Expedition Route 1868	2004 (Tetra Tech, Inc.)	Not evaluated
EAFB 3852		Historic Road	Unnamed dirt road	2004 (Tetra Tech, Inc.)	Not evaluated
EAFB 3853		Historic Road	Pacific Coast Borax Road	2004 (Tetra Tech, Inc.)	Not evaluated
EAFB 3854		Historic Road	Rich-Kramer Road	2004 (Tetra Tech, Inc.)	Not evaluated
EAFB 3893		Historic Road	Unnamed dirt road	2004 (Tetra Tech, Inc.)	Not evaluated

### EAFB 0802

M. Macko originally recorded resource EAFB 0802 as a remnant of an old two-track wagon road in 1993. Macko reported that the road extended from Randsburg to Kramer Hill and Red Buttes, as well as other points further south. In 2004, K. Davis conducted a site update and noted modern use of the road. As part of an Archaeological Evaluation, J. Fogerty et al. updated the site in 2005, and noted that the findings were consistent with the original record and update. EAFB 0802 was evaluated for eligibility for listing on the NRHP and it was recommended ineligible for listing.

### EAFB 1330

First recorded by K. E. Buescher in 1993, resource EAFB 1330 is recorded as a scatter of sanitary cans and matchstick filler cans. In 2001, S. Ashkar and C. Fish conducted a survey of 1000 square meters around the site boundary and were unable to relocate the resource. Later, in 2005, J. Fogerty et al. were also unable to relocate the refuse deposit. The site was not evaluated for listing on the NRHP.

#### EAFB 2721

G. Greene and M. Ronning originally recorded resource EAFB 2721 in 1998 as a historic-period civilian refuse deposit of various glass, cans, earthenware, concrete, and milled lumber. J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, and M. Zizzo updated the record for resource EAFB 2721 in 2005 as a historic period refuse deposit in similar condition as the original record, noting seven discrete concentrations with ephemeral scatter. The resource was not evaluated for NRHP listing when it was recorded in 1998 nor in the 2005 update.

#### EAFB 2724

Resource EAFB 2724 was initially recorded in 1998 by G. Green and M. Ronning as a refuse deposit consisting of sanitary cans, matchstick filler fans, and clear glass jar fragments. Green and Ronning determined that the site dates to post 1935 based on the can types observed. K. Davis conducted a site update in 2004 and found the site to be in the same condition as the original record. Additionally, J. Fogerty et al. conducted a site update in 2005 and determined the site to be consistent with the 1998 record. The site has not been evaluated for eligibility in the NRHP.

#### EAFB 2734

S. Uchitel, H. Switalski, and S. Gilardi recorded resource EAFB 2734 as a historic-aged refuse deposit consisting of glass fragments, sanitary cans, tobacco tins, beer cans, white ware ceramics, and medicine bottles in 1997. In 2002, H. Puckett, Keasling, and K. Guardardo updated the site and identified four separate concentrations consisting of the materials described in the 1998 original record. During their efforts, Puckett, Keasing, and Guardardo found EAFB 2734 to be ineligible for listing on the NRHP. Later in 2004, K. Davis noted site disturbances due to wind erosion and vehicle activity but determined the site record to be accurate. J. Fogerty et al. provided an update in 2005 stating that the 2002 field form by Puckett, Keasling and Guardardo was accurate and the site conditions were consistent with the previous findings, recommending that the site remain ineligible for listing in the NRHP.

#### EAFB 2735

Originally recorded in 1997 by M. Walsh, B. Gothar, and H. Switalski, resource EAFB 2735 consists of hole-in-top cans, sanitary cans, motor oil cans, wire, various glass condiment jars, tobacco tins, white porcelain fragments, and a California License plate. Walsh, Gothar, and Switalski dated the site to the 1920s based on the cultural constituents. J. Fogerty et al. revisited the site in 2005, identifying more refuse approximately 50 meters from the original site boundaries, finding 200 cans, 40 glass fragments, and various kitchen items. Additionally, Fogerty et al. noted disturbance to site due to the transmission line access road. The site was not evaluated for eligibility for listing on the NRHP during the original in 1997 nor the 2005 update by Fogerty et al.

#### EAFB 3219

In 2000, A. Gueyger, G. Alock, and C. Havelaar recorded resource EAFB 3219 as a historic-aged refuse deposit consisting of glass fragments, pipe, ceramics, corrugated sheet metal, cans, lumber, structural debris, and wire fencing. Along with historic-era materials, they noted modern items such as a coffee pot with a plastic rim and a fluorescent lightbulb. Later in 2005, J. Fogerty conducted a site update, finding conditions consistent with the original record. Neither record includes an evaluation of resource EAFB 3219 for eligibility for listing on the NRHP.

## EAFB 3737

Resource EAFB 3737 was recorded by J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo in 2005. They recorded EAFB 3737 as a large, historic-aged civilian refuse deposit consisting of over 300 items. According to Fogerty et al., the site consists of glass and ceramic fragments, cans, and domestic debris in a single dump location with a light scatter in all directions, parallel to the east/west orientated transmission line and access road. In addition to the surface survey, Fogerty et al. conducted metal probe penetration tests with minimal findings. Fogerty et al. recommended that EAFB 3737 is ineligible for listing on the NRHP.

## EAFB 3738

J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo recorded resource EAFB 3738 in 2005. EAFB 3738 is recorded as a historic-aged refuse deposit consisting of approximately 50 cans, glass fragments, miscellaneous metal, telephone fire, and milled lumber with nails. Fogerty et al. identified that the cans were consistent with historic-aged beer, oil, meat, vegetable, fruit, and coffee cans. Resource EAFB 3738 was not evaluated for listing on the NRHP.

## EAFB 3817

Tetra Tech identified resource EAFB 3817 via historic research in 2004. Tetra Tech identified the resource as a historic Expedition Route 1868 along the northern boundary of the EAFB. The route was utilized by the William Jackson Palmer surveying party for the eastern portion of the Union Pacific Railroad in 1868. The record does not indicate that any field survey was conducted to identify potential remains of the route. The resource has not been evaluated for eligibility on the NRHP.

## EAFB 3852

During their research in 2004, Tetra Tech identified resource EAFB 3852 as a historic road oriented southwest through EAFB and intersecting with Flowing Well-Helendale Road. The record does not indicate that any field survey was conducted to identify potential remains of the route. The resource has not been evaluated for eligibility on the NRHP.

## EAFB 3853

Resource EAFB 3853 was recorded by Tetra Tech in 2004 through historic research. Tetra Tech identified EAFB 3853 as Pacific Coast Borax Road, extending to Boron and then to the Pacific Coast Borax Company and the Gephart School. The record does not indicate that any field survey was conducted to identify potential remains of the route. The resource has not been evaluated for eligibility on the NRHP.

## EAFB 3854

Recorded as Rich-Kramer Road, resource EAFB 3854 was identified by Tetra Tech through historic research in 2004. The road extends from Rich Siding and intersects with EAFB 3853. The record does not indicate that any field survey was conducted to identify potential remains of the route. The resource has not been evaluated for eligibility on the NRHP.

EAFB 3893

In 2004, Tetra Tech recorded resource EAFB 3893, a historic aged road, through historical research. Tetra Tech identified the road as extending beyond EAFB in a southward orientation. The record does not indicate that any field survey was conducted to identify potential remains of the route. The resource has not been evaluated for eligibility on the NRHP.

### 3.2 California Historical Resource Information System

Rincon archaeologist Hannah Haas, M.A., RPA requested a search of cultural resource records housed at the California Historical Resources Information System (CHRIS), Southern San Joaquin Valley Information Center (SSJVIC) at California State University Bakersfield for the Aratina Solar Farm Project on February 14, 2019. On February 21, 2019, SSJVIC staff conducted a search of their records in relation to the project site of the Aratina Solar Farm Project, which included a portion of the section of Gen-Tie within EAFB. The search was conducted to identify all previously recorded cultural resources within a 0.5-mile radius of the APE. The CHRIS search included a review of the National Register of Historic Places (NRHP), the California Register of Historical Resources (CRHR), the California Points of Historical Interest list, the California Historical Landmarks list, the Archaeological Determinations of Eligibility list, and the California State Historic Resources Inventory list.

The SSJVIC records search identified a total of 6 cultural resources within the search radius, one of which is within the APE (P-15-006596), and one of which is adjacent to the north of the APE (P-15-007160) as seen in

Table 3. The resource located in the APE is discussed in further detail below.

Table 3 Previously Recorded Resources within a 0.5-Mile Radius of the APE

Primary Number	Trinomial	Resource Type	Description	Recorder(s) and Year(s)	NRHP Status	Relationship to APE
P-15-006596/ EAFB 2721	CA-KER-0053330H	Historic Site	Refuse deposit	1998 (G. Greene, M. Ronning, Computer Sciences Corporation); 2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech, Inc.)	Not evaluated	Within
P-15-007160/ EAFB 2724	CA-KER-005510	Historic Site	Refuse deposit	1998 (G. Greene, M. Ronning, Computer Sciences Corporation)	Not evaluated	Within
P-15-0124444		Historic Other	Metal isolate	2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech EC, Inc.)	Not evaluated	Outside
P-15-012762		Historic Other	Metal isolate	2005 (J. Fogerty, J. Farrell, B. Ludwig, S. Batchelor, C. Speckman, M. Mavety, D. Brietkreutz, M. Zizzo, Tetra Tech EC, Inc.)	Not evaluated	Outside



Primary Number	Trinomial	Resource Type	Description	Recorder(s) and Year(s)	NRHP Status	Relationship to APE
P-15-013475	CA-KER-007580H	Historic Site	Refuse deposit	2005 (B. Boyer, M. Basham, J. Johannesmeyer, E. Maier, L. McGettick, JT3/CH2M Hill)	Not evaluated	Outside
P-15-017321		Historic Structure	Road section	2013 (D. Martinez, D. Mike, Far Western)	Not evaluated	Outside

Source: SSJVIC 2019

P-15-006596

See above description for EAFB 2721.

P-15-007160

See description above for EAFB 2724.

## 4 Fieldwork

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### 4.1 Pedestrian Survey Methods

Rincon archaeologists Dustin Merrick, B.A. and Courtney Montgomery B.A. conducted the pedestrian survey of the APE between May 27, 2020 and May 29, 2020. Mr. Merrick and Ms. Montgomery walked a series of pedestrian transects oriented generally east-west and spaced no more than 15 meters apart across the entirety of the APE. The archaeologists examined all exposed ground surfaces for artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools, ceramics, fire-affected rock [FAR]), ecofacts (marine shell and bone), soil discoloration that might indicate the presence of a cultural midden, soil depressions, and features indicative of the former presence of structures or buildings (e.g., standing exterior walls, postholes, foundations) or historic debris (e.g., metal, glass, ceramics). Ground disturbances such as burrows and drainages were visually inspected. Survey notes were prepared by the surveyor and are available upon request.

### 4.2 Results

The APE is located on a flat, sandy, alluvial plain with low to moderate density vegetation consisting primarily of creosote, saltbush, and scattered patches of low ground cover. Ground visibility within the APE was 70-90% with soil consisting of a light brown, poorly sorted medium to fine grained sand.

During the field effort, Rincon identified and recorded one previously unrecorded site (ARA-S-003) and updated 14 previously recorded sites (EAFB 0802, EAFB 1330, EAFB 2721/P-15-006596, EAFB 2724/P-15-007160, EAFB 2734, EAFB 2735, EAFB 3219, EAFB 3737, EAFB 3738, EAFB 3817, EAFB 3852, EAFB 3853, EAFB 3854, EAFB 3893). Each of these resources is discussed in further detail below.

#### ARA-S-003

ARA-S-003 is a historic refuse scatter dating to the mid-20<sup>th</sup> century. The deposit consists of milled lumber, glass fragments, ceramic fragments, metal cans and other metal such as car parts, a tobacco tin, nails, rings, and a jean button. None of the identified artifacts had distinctive maker's marks or date stamps. Based on the types of cans and bottles present, the site appears to date to the early to mid-twentieth century.

#### EAFB 0802

In 1993, M. Macko recorded resource EAFB 0802/CA-SBR-7431H is recorded as a remnant of an old two-track wagon road (Figure 2) extending from Randsberg south to Kramer Hill and Red Buttes. The wagon road appears on numerous mining and automotive maps starting in the 1890s through the 1940s. Rincon relocated the resource during the current survey and observed a 10-foot, 5-inch-wide unpaved, unmaintained road with 1.5-foot banks on either side. No other cultural materials were observed in relation to the road within the current APE.

Figure 2 *Confidential information removed from public review*

## EAFB 1330

Resource EAFB 1330 is recorded as a historic period refuse deposit consisting of sanitary and matchstick filler cans. During the current survey, the resource was not relocated, and no other cultural materials or features were observed within or near the site boundaries. Rincon surveyed a 20 meter area around the project boundaries and within the project boundaries, finding no cultural resources. These findings are consistent with previous surveys reported in the site record by Davis (2004) and Fogerty (2005).

## EAFB 2721/P-15-006596

Resource EAFB 2721/P-15-006596 was relocated during the current survey. Rincon's observations are consistent with the most recent site update prepared in 2005. Materials within the site consist of metal cans, glass and earthenware fragments, and milled lumber (Figure 3). The site extends to the north, outside of the current APE.

Figure 3 *Confidential information removed from public review*

## EAFB 2724/P-15-007160

Resource EAFB 2724 was originally recorded as a cluster of church key opened beer cans. During the current survey, a solitary crushed rectangular can was observed within the site boundary (Figure 4).

Figure 4 Solitary Can Found within Resource EAFB 2724/P-15-007160 Boundaries



#### EAFB 2734

Resource EAFB 2734 was recorded as a historic period refuse deposit consisting of domestic expendable and non-expendable items dating from 1914 to 1945 such as cans, ceramics, and glass. Rincon relocated the resource in a state consistent with the site record; however, the site currently appears smaller than the original data suggest (Figure 5). The observed site consisted of a plank of milled lumber, church key opened beer cans, crushed cans, and glass fragments that were green, brown, clear, and cobalt.

Figure 5 *Confidential information removed from public review*

#### EAFB 2735

Resource EAFB 2735 was previously recorded as a historic period refuse deposit (Figure 6). Rincon relocated the resource in a state consistent with the site record. The portion of the site that falls within the current APE consists of a light scatter of cans, glass and ceramic fragments, milled lumber, and other construction and maintenance items.

Figure 6 *Confidential information removed from public review*

#### EAFB 3219

Resource EAFB 3219 is a historic-aged refuse scatter consisting of construction and domestic expendable items such as tin cans, glass fragments, ceramics, corrugated sheet metal, lumber, and wire fencing. Rincon relocated the resource in a state consistent with the site record (Figure 7). During the current survey, the observed site consisted of a centralized dump pit containing various metal cans, construction materials, glass and ceramic fragments with an ephemeral scatter around the main concentration.

Figure 7 *Confidential information removed from public review*

#### EAFB 3737

Resource EAFB 3737 is recorded as a historic-aged refuse scatter. Rincon relocated the resource in a state consistent with the site record, documenting cans, ceramic and glass fragments, as well as domestic debris. The observed site consisted of cans of varying sizes (Figure 8), automotive materials, metal electric conduit and wire, clear and green bottle glass, and white ware ceramics.

Figure 8 View of EAFB 3737, Overview Of Cans



#### EAFB 3738

Resource EAFB 3738 is a historic refuse scatter. Rincon relocated the resource in a state consistent with tin cans, glass fragments, milled lumber, and various glass jars as described in the site record; however, the site currently appears smaller than the original data suggest. The observed site consisted of milled lumber, metal cans, and other metal objects (Figure 9).

Figure 9 *Confidential information removed from public review*

#### EAFB 3817

Resource EAFB 3817 was recorded as a historic road. During the current survey, Rincon was unable to locate any evidence of the resource indicated by the historic maps reviewed by Tetra Tech, Inc. in 2004. No other cultural materials or features were observed within or near the previously recorded site boundary. Rincon surveyed the project boundaries, as well as 20 meters around the project boundaries within the current survey corridor, finding no cultural resources.

#### EAFB 3852

Resource EAFB 3852 is recorded as a historic road. Rincon relocated the resource initially recorded by Tetra Tech Inc. in 2004 solely through historical map research and no field survey. The observed

resource is a two-track unmaintained, unimproved dirt road measuring 9 feet, 3 inches wide (Figure 10). The road is in poor condition due to bioturbation, wind erosion, and lack of use.

Figure 10 *Confidential information removed from public review*

#### EAFB 3853

Resource EAFB 3853 was recorded as a historic road. During the current survey, Rincon was unable to locate any evidence of the resource indicated by the historic maps reviewed by Tetra Tech, Inc. in 2004. No other cultural materials or features were observed within or near the previously recorded site boundary. Rincon surveyed the site boundaries, as well as 20 meters around the site boundaries within the current survey corridor, finding no cultural resources.

#### EAFB 3854

Resource EAFB 3854 was recorded as a historic road. During the current survey, Rincon was unable to locate any evidence of the resource indicated by the historic maps reviewed by Tetra Tech, Inc. in 2004. No other cultural materials or features were observed within or near the previously recorded site boundary. Rincon surveyed the site boundaries, as well as 20 meters around the site boundaries within the current survey corridor, finding no cultural resources.

#### EAFB 3893

Resource EAFB 3893 was recorded as a historic road. During the current survey, Rincon was unable to locate any evidence of the resource indicated by the historic maps reviewed by Tetra Tech, Inc. in 2004. No other cultural materials or features were observed within or near the previously recorded site boundary. Rincon surveyed the site boundaries, as well as 20 meters around the site boundaries within the current survey corridor, finding no cultural resources.

## 5 Significance Evaluations

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Resources recorded and/or updated as part of the current study were evaluated for NRHP eligibility.

As detailed in the Regulatory Setting (Section 1.4), a resource is considered a historic property under 36 CFR 800 if the quality of significance in American history, architecture, archaeology, engineering, or culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association and that:

- A. Are associated with events that have made a significant contribution to the broad patterns of our history; or
- B. Are associated with the lives of persons significant in our past; or
- C. Embody the distinctive characteristics of a type, period, or method of installation, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- D. Have yielded, or may be likely to yield, information important in prehistory or history

Although many sites may provide pertinent information to the research questions listed above, a site must also maintain integrity of location, design, setting, materials, workmanship, feeling, and association. Integrity is a property's ability to "convey its significance." Should a resource meet any of the NRHP criteria, but that resource lacks sufficient integrity, the resource may not qualify for listing. The integrity of each resource is considered during NRHP evaluations.

### 5.1 ARA-S-003

ARA-S-003 is a historic-period refuse deposit consisting of various metal objects, glass fragments, ceramic pieces, milled lumber, and concrete chunks. As a nondescript refuse scatter, the site cannot be linked to any significant events or movements in history (Criteria A). Refuse scatters often lack the provenience and diagnostic materials required to associate it with a notable person in history (Criteria B). According to Bureau of Land Management (BLM) General Land Office (GLO) records, the area was homesteaded by Henderson Litterell in 1920. Rincon was unable to find information on Litterell that would suggest he is a notable person in history. Historic refuse scatter sites like this do not display unique craftsmanship because the constituents are commonly machine made, mass produced, and do not reflect individual style or embody characteristics of a type, period, or method of construction (Criteria C). Sites like this are ubiquitous throughout the region, therefore ARA-S-003 cannot add any new information to our knowledge of the area's history. Additionally, the site consists of a surface scatter with no apparent subsurface deposit and all data was exhausted by the current survey (Criteria D). Thus, the resource is not considered eligible for listing in the NRHP under all four criteria (A-D).

### 5.2 EAFB 0802

Resource EAFB 0802 consists of remnants of a historic-period two-track wagon road extending from Randsburg south to Kramer Hills and Red Buttes. The road is depicted on *Kramer Quadrangle* topographic maps from 1937 to 2012. Rincon concurs with the previous recommendation that EAFB 0802 is not eligible for listing on the NRHP under all four criteria (A-D).

### 5.3 EAFB1330

Resource EAFB 1330 is recorded as a historic-period refuse deposit consisting of sanitary and matchstick filler cans. As the resource was not relocated during the current survey or previous surveys reported in the site record, the resource cannot be evaluated for the NRHP and is presumed destroyed due to military activities or construction associated with the existing utility corridor.

### 5.4 EAFB 2721

Resource EAFB 2721 is a historic-period refuse deposit consisting of household refuse including cans, glass, wood, and ceramics. As a nondescript refuse scatter, the site cannot be linked to any significant events or movements in history (Criteria A). Refuse scatters often lack the provenience and diagnostic materials required to associate it with a notable person in history (Criteria B). Historic refuse scatter sites like this do not display unique craftsmanship because the constituents are commonly machine made, mass produced, and do not reflect individual style or embody characteristics of a type, period, or method of construction (Criteria C). Sites like this are ubiquitous throughout the region, therefore EAFB 2721 cannot add any new information to our knowledge of the area's history. Additionally, the site consists of a surface scatter with no apparent subsurface deposit and all data was exhausted by the current survey (Criteria D). Thus, the resource is not considered eligible for listing in the NRHP under all four criteria (A-D).

### 5.5 EAFB 2724

Resource EAFB 2724 is recorded as a historic-period refuse deposit by Greene and Ronning in 1998 and updated by Davis in 2004 and Fogerty et al. in 2005. Fogerty et al. found the resource to be consistent with the original record; however, the current survey efforts were unable to relocate the resource within the current survey boundaries. As the resource was not relocated during the current survey, the resource cannot be evaluated for the NRHP and was likely destroyed due to military activities or the construction associated with the existing utility corridor.

### 5.6 EAFB 2734

Resource EAFB 2734 is a historic period refuse deposit consisting of cans, glass, and milled lumber with no diagnostic markers. Rincon observed features consistent with the original findings, of glass, milled lumber, and cans. Rincon concurs with the previous recommendation that EAFB 0802 is not eligible for listing on the NRHP under all four criteria (A-D).

### 5.7 EAFB 2735

Resource EAFB 2735 is a historic-period refuse deposit containing construction material, domestic expendable items, domestic non-expendable items, transportation items, and personal items, such as tin cans, glass and ceramic fragments, and miscellaneous metals. As a nondescript refuse scatter, the site cannot be linked to any significant events or movements in history (Criteria A). Refuse scatters often lack the provenience and diagnostic materials required to associate it with a notable person in history and BLM GLO records do not indicate any homesteads that encompassed this area (Criteria B). Historic refuse scatter sites like this do not display unique craftsmanship because the



constituents are commonly machine made, mass produced, and do not reflect individual style or embody characteristics of a type, period, or method of construction (Criteria C). Sites like this are ubiquitous throughout the region, therefore EAFB 2735 cannot add any new information to our knowledge of the area's history. Additionally, the site consists of a surface scatter with no apparent subsurface deposit and all data was exhausted by the current survey (Criteria D). Thus, Rincon recommends site EAFB 2735 as ineligible for listing in the NRHP under all four criteria (A-D).

## 5.8 EAFB 3219

Resource EAFB 3219 is a historic-period refuse scatter consisting of construction materials and expendable domestic items, such as tin cans, glass fragments, ceramics, corrugated sheet metal, lumber, and wire fencing. As a nondescript refuse scatter, the site cannot be linked to any significant events or movements in history (Criteria A). Refuse scatters often lack the provenience and diagnostic materials required to associate it with a notable person in history and BLM GLO records do not indicate any homesteads that encompassed this area (Criteria B). Historic refuse scatter sites like this do not display unique craftsmanship because the constituents are commonly machine made, mass produced, and do not reflect individual style or embody characteristics of a type, period, or method of construction (Criteria C). Sites like this are ubiquitous throughout the region, therefore EAFB 3219 cannot add any new information to our knowledge of the area's history. Additionally, the site consists of a surface scatter with no apparent subsurface deposit and all data was exhausted by the current survey (Criteria D). Thus, the resource is not considered eligible for listing in the NRHP under all four criteria (A-D).

## 5.9 EAFB 3737

Resource EAFB 3737 consists of a historic-period refuse scatter consisting of automotive and expendable domestic materials. As a nondescript refuse scatter, the site cannot be linked to any significant events or movements in history (Criteria A). Refuse scatters often lack the provenience and diagnostic materials required to associate it with a notable person in history and BLM GLO records do not indicate any homesteads that encompassed this area (Criteria B). Historic refuse scatter sites like this do not display unique craftsmanship because the constituents are commonly machine made, mass produced, and do not reflect individual style or embody characteristics of a type, period, or method of construction (Criteria C). Sites like this are ubiquitous throughout the region, therefore EAFB 3737 cannot add any new information to our knowledge of the area's history. Additionally, the site consists of a surface scatter with no apparent subsurface deposit and all data was exhausted by the current survey (Criteria D). Thus, the resource is not considered eligible for listing in the NRHP under all four criteria (A-D).

## 5.10 EAFB 3738

Resource EAFB 3738 is a historic-period refuse scatter. As a nondescript refuse scatter, the site cannot be linked to any significant events or movements in history (Criteria A). Refuse scatters often lack the provenience and diagnostic materials required to associate it with a notable person in history (Criteria B). Historic refuse scatter sites like this do not display unique craftsmanship because the constituents are commonly machine made, mass produced, and do not reflect individual style or embody characteristics of a type, period, or method of construction (Criteria C). Sites like this are ubiquitous throughout the region, therefore EAFB 3738 cannot add any new information to our

knowledge of the area's history. Additionally, the site consists of a surface scatter with no apparent subsurface deposit and all data was exhausted by the current survey (Criteria D). Thus, the resource is not considered eligible for listing in the NRHP under all four criteria (A-D).

### 5.11 EAFB 3817

Resource EAFB 3817 was recorded as a historic-period road, recorded solely through historical map research without any field survey to determine the physical presence of the resource. No cultural materials or features were observed within or near the previously recorded resource boundaries. As the resource was not relocated during the current survey, the resource cannot be evaluated for the NRHP and is presumed destroyed due to military activities or the construction associated with the existing utility corridor.

### 5.12 EAFB 3852

Resource EAFB 3852 is a historic-period road. The road was recorded on the *Kramer* Quadrangle topographic maps from 1937 to 1956 and then again on the 1966 *San Bernardino* Quadrangle topographic map (USGS 2020). Starting on the 1973 *Kramer* Quadrangle topographic map, the road was not recorded; however, there is a water body recorded following the general orientation of the road on the 1982 *Victorville* Quadrangle topographic map. The water body and the road are not recorded after the 1982 *Victorville* Quadrangle topographic map recording. As an unnamed dirt road, the resource cannot be identified to be associated with events that have made a significant contribution to broad patterns of history (Criteria A) and or with the lives of significant persons in the past (Criteria B). The road is an unimproved, unmaintained dirt road, which are ubiquitous throughout the area and thus does not reflect individual style or embody characteristics of a type, period, or method of construction (Criteria C). As a nondescript, unnamed dirt road with no associated artifacts or features, the resource is not likely to yield any important information to the history of the area as no other cultural materials remained (Criteria D). Thus, the resource is not considered eligible for listing in the NRHP under all four criteria (A-D).

### 5.13 EAFB 3853

The current survey efforts were unable to relocate resource EAFB 3853. EAFB 3853 was recorded solely through historical map research without any field survey to determine the physical presence of the resource. No cultural materials were observed within or near the previously recorded resource boundaries. As the resource was not relocated during the current survey, the resource cannot be evaluated for the NRHP and is presumed destroyed due to military activities or the construction associated with the existing utility corridor.

### 5.14 EAFB 3854

Resource EAFB 3854 was recorded as a historic-period road, recorded solely through historical map research without any field survey to determine the physical presence of the resource. No cultural materials were observed within or near the previously recorded resource boundaries. As the resource was not relocated during the current survey, the resource cannot be evaluated for the NRHP and is presumed destroyed due to military activities or the construction associated with the existing utility corridor.

## 5.15 EAFB 3893

Resource EAFB 3893 was recorded as a historic-period road, recorded solely through historical map research without any field survey to determine the physical presence of the resource. No cultural materials were observed within or near the previously recorded resource boundaries. As the resource was not relocated during the current survey, the resource cannot be evaluated for the NRHP and is presumed destroyed due to military activities or the construction associated with the existing utility corridor.

## 6 Management Recommendations

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The cultural resource records search and survey identified 14 previously recorded cultural resources within the project APE (EAFB 0802, EAFB 1330, EAFB 2721/P-15-006596, EAFB 2724/P-15-007160, EAFB 2734, EAFB 2735, EAFB 3219, EAFB 3737, EAFB 3738, EAFB 3817, EAFB 3852, EAFB 3853, EAFB 3854, and EAFB 3893) and one newly recorded resource (ARA-S-003). Of the previously recorded resources, eight were relocated during the current survey effort (EAFB 0802, EAFB 2721, EAFB 2734, EAFB 2735, EAFB 3219, EAFB 3737, EAFB 3738, and EAFB 3852). The remaining six previously recorded resources were not relocated during the survey (EAFB 1330, EAFB 2724, EAFB 3817, EAFB 3853, EAFB 3854, and EAFB 3893).

Each of the previously recorded resources relocated by Rincon (EAFB 0802, EAFB 2721, EAFB 2734, EAFB 2735, EAFB 3219, EAFB 3737, EAFB 3738, and EAFB 3852) and ARA-S-003 have been recommended as ineligible for listing in the NRHP and therefore do not qualify as historic properties under Section 106 of the NHPA.

Rincon is not able to provide a recommendation of eligibility for the six sites that were not relocated (EAFB 1330, EAFB 2724/P-15-007160, EAFB 3781, EAFB 3853, EAFB 3854, and EAFB 3893). However, each site is presumed to have been destroyed by military activities and/or construction of the exiting utility corridor. As the resources are no longer extant, they require no further management consideration under Section 106 of the NHPA.

Based on the current study, Rincon recommends a finding of ***no effect to historic properties*** under Section 106 of NHPA. The archaeological sensitivity of the APE has been identified as low based on the project description; however, there is always a possibility of encountering unanticipated archaeological resources during ground disturbing activities. Standard conditions for the treatment of unanticipated discoveries are recommended. Archaeological and Native American monitoring may further reduce the likelihood of disturbing unknown cultural resources.

### 6.1 Unanticipated Discovery of Cultural Resources

If any prehistoric or historic artifacts, or other indications of archaeological resources such as unusual deposits of stone, bone or shell, stone artifacts, or historic trash deposits or foundations are discovered once ground-disturbing activities are underway, work in the immediate area should halt until the find can be evaluated by a qualified archaeologist. If the find is determined to qualify as a historic property, efforts to avoid or mitigate any potential adverse effects should be developed by the qualified archaeologist in consultation with EAFB environmental staff. The appropriate treatment (e.g., avoidance, data recovery) should be determined on a case-by-case basis depending on the nature of the find.

### 6.2 Unanticipated Discovery of Human Remains

The discovery of human remains is always a possibility during ground disturbing activities. If human remains are found the base archaeologist or designated representative shall be notified immediately. The base archaeologist, or designated representative, shall notify the County Coroner to determine the nature of the remains (e.g., modern vs. prehistoric). Should the remains be

determined to be prehistoric in nature, EAFB shall comply with all appropriate federal laws and regulations (e.g., Native American Graves Protection and Repatriation Act).

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# Appendix A

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*Confidential information removed from public review - Records Search Results*



# Appendix B

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*Confidential information removed from public review - DPR 523 Series Forms*

# Appendix E. Phase I Environmental Site Assessment





Phase I Environmental Site  
Assessment - Aratina Solar Gen-  
Tie Easement

July 20, 2020

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## Sign-off Sheet and Signatures of Environmental Professionals

This document entitled Phase I Environmental Site Assessment - Aratina Solar Gen-Tie Easement was prepared by Stantec Consulting Services Inc. ("Stantec") for the account of 64NB 8me, LLC (the "Client"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

All information, conclusions, and recommendations provided by Stantec in this document regarding the Phase I ESA have been prepared under the supervision of and reviewed by the professionals whose signatures appear below.

Author: 

**Project Geologic Specialist**

Quality Reviewer: 

**Dion Monge  
Senior Scientist**

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in § 312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Independent Reviewer: 

**Kyle Emerson, CEG  
Managing Principal Geologist**



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## Abbreviations

AAI	All Appropriate Inquiry
ACM	Asbestos-containing material
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BER	Business Environmental Risk
CAA	Clean Air Act
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulation
CREC	Controlled Recognized Environmental Conditions
CWA	Clean Water Act
ELUC	Environmental Land Use Control
EP	Environmental Professional
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
ft msl	Feet above mean sea level
HREC	Historical Recognized Environmental Conditions
HWMU	Hazardous Waste Management Unit
LBP	Lead-based paint
LUST	Leaking Underground Storage Tank
NESHAP	National Emissions Standard for Hazardous Air Pollutants
PAHs	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Conditions
SWMU	Solid Waste Management Unit
TSCA	Toxic Substance Control Act



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USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	Underground Storage Tank
VEC	Vapor Encroachment Condition
VOCs	Volatile Organic Compounds



# PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Summary  
July 20, 2020

## 1.0 SUMMARY

Stantec Consulting Services Inc. (Stantec) has completed a Phase I Environmental Site Assessment (ESA) report for a proposed gen-tie line easement through Edward Air Force Base (EAFB) from approximately 375 feet east of the Boron Road Gate and extending easterly to the Kramer Substation (the "Property"), on behalf of 64NB 8me, LLC (the "Client"). The work was performed according to Stantec's proposal and terms and conditions dated May 6, 2020 and accepted by the Client on May 8, 2020. 8minute Solar Energy (the "User") has been designated as the User of this report.

The Phase I ESA was conducted in conformance with the requirements of American Society for Testing and Materials (ASTM) Designation E 1527-13, and All Appropriate Inquiry (AAI) as defined by the US-EPA in Title 40 of the Code of Federal Regulations, Part 312, except as may have been modified by the scope of work, and terms and conditions, requested by the Client. Any exceptions to, or deletions from, the ASTM or AAI practice are described in Section 2.3.

The User is proposing to construct an approximate 600 megawatt-alternating current (MW-AC) utility-scale solar farm with energy storage known as Aratina Solar Farm (Aratina, or Project) on approximately 2,667 acres to the north of the Property. Power generated by Aratina will be delivered from the Property to the Southern California Edison (SCE) Kramer Substation by way of a 6.5-mile-long proposed gen-tie line that passes through land owned by EAFB (Figure 1). The proposed gen-tie line easement is the subject of this Phase I ESA.

The Property spans a corridor through ten parcels of land located in San Bernardino and Kern Counties in California (Figure 1). All ten of the parcels are owned by the United States Government and operated by EAFB as part of their Precision Impact Range Area (PIRA). The PIRA contains targets, gunnery ranges, and drop zones for pilots and engineers to test aircraft and weapon systems using primarily infrared laser imaging. The parcels that the proposed gen-tie passes through are contiguous and include the following: 24401012, 049226203, 049226204, 049222114, 049222113, 049222109, 049222108, 049222107, 049222106, and 049220101. Also located within the PIRA is an existing SCE overhead transmission line that crosses over and runs adjacent to the north of Property (i.e. the proposed gen-tie line).

Surrounding properties consist of vacant desert land to the north and south, a water agency building to the west, and a Caltrans maintenance yard and SCE Kramer Substation to the east/northeast. A Property location map is illustrated on Figure 1. A Property map illustrating the main features of the Property is provided as Figures 2 through 7. Photographs taken during the site reconnaissance visit are provided in Appendix A.

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of the proposed gen-tie easement through EAFB land to the south of the communities of Boron and Kramer Junction, in Kern and San Bernardino Counties, California (the Property). Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report. This assessment has revealed the following evidence of recognized environmental conditions in connection with the Property:



## PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Summary  
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- **Precision Impact Bombing Area (PIRA) and Target Site PB-9 Overshoot Area.** The Property is owned by the United States Government and operated by EAFB as part of their PIRA. The PIRA contains targets, gunnery ranges, and drop zones for pilots and engineers to test aircraft and weapon systems using primarily infrared laser imaging. However, in the past live fire training activities took place within the PIRA. Based on historical reports indicate that a former Precision Bombing target 9 (PB-9) was located partially outside of EAFB property resulting in an off-base overshoot area designated at AL505-2. The AL505-2 overshoot area is not located on the Property. However, the west end of the Property would presumably fall within a portion of the base that would be part of an overshoot area related to the same PB-9 target.

Given that the Property is located within the boundaries of EAFB, an active military installation. Moreover, the Property passes through the EAFB PIRA and is near a known munitions response site (AL505-2) resulted in the potential for unexploded ordnance (UXO) or munitions debris to be present at the Property. The potential presence for UXO and/or munitions debris is considered a REC and Stantec recommends that any construction planning and eventual ground disturbance work should proceed under the consultation and guidance of EAFB. Stantec is not recommending any further assessment of UXO and/or munitions debris, at this time apart from what would be required by EAFB.

In addition, Stantec identified the following items of note that should be considered during construction planning:

- **Underground Natural Gas Pipelines.** At least one underground natural gas pipeline runs through the Property (in the northeast). It is understood that this infrastructure will remain in-place during the Property development. Various leak-identification systems are in-place for such pipelines and it is unlikely that any leakage has occurred. Therefore, the presence of the pipeline facilities are not considered a REC to the Property. However, civil engineers should be contacted to determine, and confirm, the locations of the underground pipeline and the required easements prior to any ground disturbance.
- **Water Wells.** One monitoring well was observed within the western portion of the Property, as illustrated in Figure 3. The specific use of the monitoring well is unknown but is likely a part of the EAFB Operable Unit 3, Basewide Monitoring Wells. Stantec recommends that this well be preserved during construction activities and not disturbed unless permission is provided by EAFB that the well can be destroyed/abandoned. Any destruction/abandonment would also require the appropriate permitting from Kern County.

The preceding summary is intended for informational purposes only. Reading of the full body of this report is recommended.





# PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Introduction  
July 20, 2020

## 2.0 INTRODUCTION

The objective of this Phase I ESA was to perform All Appropriate Inquiry (AAI) into the past ownership and uses of the Property consistent with good commercial or customary practice as outlined by the ASTM in “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”, Designation E1527-13. “All Appropriate Inquiry” (AAI) is the process for evaluating a property’s environmental conditions for the purpose of qualifying for landowner liability protections under CERCLA, following final rule of Part 312 of Title 40, Code of Federal Regulations (40 CFR Part 312). The purpose of this Phase I ESA was to identify, to the extent feasible, adverse environmental conditions including recognized environmental conditions (“RECs”) of the Property.

The ASTM E1527-13 standard indicates that the purpose of the Phase I ESA is to identify RECs, including historical recognized environmental conditions (“HRECs”), and controlled recognized environmental conditions (“CRECs”) that may exist at a property. The term “recognized environmental conditions” means the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property:

1. Due to any release to the environment;
2. Under conditions indicative of a release to the environment; or
3. Under conditions that pose a material threat of a future release to the environment.

ASTM defines a “HREC” as a REC that has occurred in connection with a property but has been addressed to the satisfaction of the applicable regulatory authority and meets current unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a HREC, the environmental professional (EP) must determine whether the past release is a REC when the current Phase I ESA is conducted (e.g., if there has been a change in the regulations). If the EP considers the past release to be a REC at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a REC.

ASTM defines a “CREC” as a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), but with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls).

As defined by ASTM, RECs can include hazardous substances or petroleum products present under conditions in compliance with laws if that presence represents a material threat of future release. The presence of hazardous substances or petroleum products is, however, not a REC if that presence is a *de minimis* condition. De minimis conditions are minor occurrences of contamination that generally do not present a material risk to human health and would not likely be subject to enforcement action if brought to the attention of governmental agencies.



# PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Introduction  
July 20, 2020

This Phase I ESA was conducted in accordance with our proposal to 64NB 8me dated May 6, 2020 and accepted by the Client on May 8, 2020. The scope of work conducted during this Phase I ESA consisted of a visual reconnaissance of the Property, interviews with key individuals, and review of reasonably ascertainable documents. The scope of work did not include an assessment for environmental regulatory compliance of any facility ever operated at the Property (past or present), or sampling and analyzing of environmental media. Stantec was not contracted to perform an independent evaluation of the purchase or lease price of the Property and its relationship to current fair market value. The conclusions presented in this Phase I ESA report are professional opinions based on data described herein. The opinions are subject to the limitations described in Section 2.3.

ASTM E1527-13 notes that the availability of record information varies from source to source. The User or Environmental Professional is not obligated to identify, obtain, or review every possible source that might exist with respect to a property. Instead, ASTM identifies record information that is reasonably ascertainable from standard sources. "Reasonably ascertainable" means:

1. Information that is publicly available;
2. Information that is obtainable from its source within reasonable time and cost constraints; and
3. Information that is practicably reviewable.

## 2.1 PROPERTY DESCRIPTION

The Property spans a corridor through ten parcels of land located in San Bernardino and Kern Counties in California (Figure 1). All ten of the parcels are owned by the United States Government and operated by Edward Air Force Base (EAFB) as part of their Precision Impact Range Area (PIRA). The PIRA contains targets, gunnery ranges, and drop zones for pilots and engineers to test aircraft and weapon systems using primarily infrared laser imaging. The parcels that the proposed gen-tie passes through are contiguous and include the following: 24401012, 049226203, 049226204, 049222114, 049222113, 049222109, 049222108, 049222107, 049222106, and 049220101. Also located within the PIRA is an existing SCE overhead transmission line that crosses over and runs adjacent to the north of Property (i.e. the proposed gen-tie line).

Surrounding properties consist of vacant desert land to the north and south, a water agency building to the west, and a Caltrans maintenance yard and SCE Kramer Substation to the east/northeast. A Property location map is illustrated on Figure 1. A Property map illustrating the main features of the Property is provided as Figures 2 through 7. Photographs taken during the site reconnaissance visit are provided in Appendix A.

## 2.2 SPECIAL TERMS, CONDITIONS, AND SIGNIFICANT ASSUMPTIONS

There were no special terms, conditions, or significant assumptions associated with this Phase I ESA.



# PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Introduction  
July 20, 2020

## 2.3 EXCEPTIONS AND LIMITING CONDITIONS

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided and given the schedule and budget constraints established by the client. No other representations, warranties, or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential and actual liabilities and conditions associated with the Property.

This report provides an evaluation of selected environmental conditions associated with the Property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. There are no assurances regarding the accuracy and completeness of this information. All information received from the client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available, and the results of the work. They are not a certification of the property's environmental condition.

This report relates solely to the specific project for which Stantec was retained and the stated purpose for which this report was prepared and shall not be used or relied upon by client for any variation or extension of this project, any other project, or any other purpose.

This report has been prepared for the exclusive use of the client identified herein and any use of or reliance on this report by any third party is prohibited, except as may be consented to in writing by Stantec or as required by law. The provision of any such consent is at Stantec's sole and unfettered discretion and will only be authorized pursuant to the conditions of Stantec's standard form reliance letter. Stantec assumes no responsibility for losses, damages, liabilities, or claims, howsoever arising, from third party use of this report.

Project Specific limiting conditions are provided in Section 2.2.

The locations of any utilities, buildings and structures, and property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures, are not guaranteed. Before starting site work, the exact location of all such utilities and structures must be confirmed by the client and the party performing the work, and Stantec assumes no liability resulting from damage to such utilities and structures.

The conclusions are based on the conditions encountered at the Property by Stantec at the time the work was conducted. As the purpose of this report is to identify Property conditions which may pose an environmental risk; the identification of non-environmental risks to structures or people on the Property is beyond the scope of this assessment.



## PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Introduction  
July 20, 2020

The findings, observations, and conclusions expressed by Stantec in this report are not an opinion concerning the compliance of any past or present owner or operator of the Property which is the subject of this report with any Federal, state, provincial or local law or regulation.

This report presents professional opinions and findings of a scientific and technical nature. It does not and shall not be construed to offer a legal opinion or representations as to the requirements of, nor compliance with, environmental laws, rules, regulations or policies of Federal, state, provincial or local governmental agencies. It is recommended that issues raised by the report should be reviewed for the client by its legal counsel.

Stantec specifically disclaims any responsibility to update the conclusions in this report if new or different information later becomes available or if the conditions or activities on the property subsequently change.

### 2.4 PERSONNEL QUALIFICATIONS

This Phase I ESA was conducted by, or under the supervision of, an individual that meets the ASTM definition of an Environmental Professional (EP). The credentials of the EP and other key Stantec personnel involved in conducting this Phase I ESA are provided in Appendix B.



## PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

User-Provided Information  
July 20, 2020

### 3.0 USER-PROVIDED INFORMATION

Stantec requested information relevant to performance of this ISA with a written questionnaire submitted to the User of this report. Per ASTM E1527-13, the user is responsible for providing known information relevant to the environmental condition of the Property. A copy of the questionnaire was sent to Alexander Sundquist of 8minute Solar Energy. Mr. Sundquist responded to the User Questionnaire inquiry via email, indicating they did not have any additional knowledge regarding the Property. User Questionnaire correspondence is included as Appendix C.



# PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Records Review  
July 20, 2020

## 4.0 RECORDS REVIEW

The objective of consulting historical sources of information is to develop the history of the Property and surrounding area and evaluate if past uses may have resulted in RECs. Physical setting records are evaluated to determine if the physical setting may have contributed to adverse environmental conditions in connection with the Property. During the review of historical records, Stantec attempted to identify uses of the Property from the present to the first developed use of the Property. Stantec's research included the reasonably ascertainable and useful records described in this section.

### 4.1 PHYSICAL SETTING

A summary of the physical setting of the Property is provided in the table below with additional details in the following subsections

<b>Topography:</b>	The elevation of the Property ranges from approximately 2,500 to 2,580 feet above mean seal level (amsl). The Property is generally flat, with the highest elevations occurring in the west-central portion of the Property (USGS, 1974).
<b>Soil/Bedrock Data:</b>	The surface lithology is the area of the Property generally unconsolidated sediments of fluvial and aeolian origin. These sediments consist of gravels and sands with varying degrees of silts and clays. These sediments are understood to be over 2,000-feet thick and are underlain by quartz-monzonite intrusive units (Dibble, 1974).
<b>Estimated Depth to Groundwater/ Estimated Direction of Gradient:</b>	According to the California Department of Water Resources (CDWR) online Groundwater Information Center Interactive Map Application (GICIMA), groundwater in the area of the Property is approximately 170 feet below ground surface, or deeper, and generally flows to the northwest (CDWR, 2019).
<b>NOTE:</b> Site-specific groundwater flow direction and depth can only be determined by conducting site-specific testing, which Stantec has not conducted.	

#### 4.1.1 Property Topography and Surface Water Flow

The elevation of the Property ranges from approximately 2,500 to 2,580 feet above mean seal level (amsl). The Property is generally flat, with the highest elevations occurring in the west-central portion of the Property (USGS, 1974). Base on topography, surface water on the Property infiltrates the ground surface or flows over land to the north down seasonal waterways. Several low-lying areas are also present at the Property, discernable by the accumulation of rainwater and subsequent fine-grained sediment material, creating small playas.



## PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Records Review

July 20, 2020

### 4.1.2 Regional and Property Geology

The Property is located within Antelope Valley, which is located in the western portion of the Mojave Desert, part of the Basin and Range physiographic province. The western Mojave Desert is a wedge-shaped area of high desert bordered by the San Gabriel Mountains to the southwest and the Tehachapi Mountains to the northwest. Its eastern boundary is less prominent, ending in the highlands east of the Mojave River. The Antelope Valley is a closed topographic basin that encompasses a major portion of the western Mojave Desert and is characterized by broad alluvial valleys with surrounding low hills. Seasonal runoff forms ephemeral lakes (playas) at topographic lows, which are present throughout the Property.

The Western Mojave Desert is a great wedge-shaped fault block, commonly referred to as the Mojave Block. The two major shear zones of the San Andres and the Garlock faults bound the block to the southwest and the northwest, respectively. The San Andreas fault is by far the larger, trending to the northwest. The Garlock fault trends to the northeast with left-lateral displacement and can be traced for approximately 150 miles. Many relatively smaller faults occur within the Mojave Block that sub-parallel the major shears of the San Andreas and the Garlock faults. The majority of these smaller faults trend to the northwest. Important trending faults in the vicinity of the Property include the Spring and Leuhman faults, located to the south of the Property.

Generally, basin-fill and alluvial Quaternary-aged unconsolidated sediments overly crystalline basement complex of pre-Tertiary age at the Property. The thickness of these sediments is variable with proximity to the nearby hills of Leuhman Ridge, located approximately 2 miles south of the Property. In the area of the Property, these sediments are understood to be over 2,000-feet thick, generally unconsolidated, and comprised of gravels, sands, silts, and clay lenses. Basement rocks in the area are generally quartz-monzonite granitic intrusive units, with local areas of low-grade to high-grade metamorphism, and highly fractured areas in proximity to fault planes (Dibblee, 1967)

### 4.1.3 Regional and Property Hydrogeology

The western portion of the Property is located within the Antelope Valley groundwater basin (6-044) and the eastern portion is within the Harper Valley groundwater basin (6-047). The Antelope Valley basin is bounded on the northwest by the Garlock fault zone at the base of the Tehachapi Mountains and on the southwest by the San Andreas fault zone at the base of the San Gabriel Mountains. It is bounded on the east by ridges, buttes, and low hills that form a surface and groundwater drainage divide and on the north by Fremont Valley Groundwater Basin at a groundwater divide approximated by a southeastward-trending line from the mount of Oak Creek through Middle Butte to exposed bedrock near Gem Hill, and by the Rand Mountains farther east (California Department of Water Resources [CDWR], 2018).

The Harper Valley basin is bounded on the east by the non-water bearing formations of Fremont Peak, Black Mountain, the Gravel Hills, and the Mud Hills; to the west by portions of the Harper, Kramer Hills, and Lockhart faults, and nonwatery-bearing rocks of the Kramer Hills and lower lying hills; to the south by nonwatery bearing rocks of Mount General, Iron Mountain, and the Waterman Hills. The basin is boundaed to the north by the Rand Mountains (CDWR, 2004).



**PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT**

Records Review  
July 20, 2020

According to the California Department of Water Resources (CDWR) online Groundwater Information Center Interactive Map Application (GICIMA), groundwater in the area of the Property is approximately 170 feet below ground surface, or deeper, and generally flows to the northwest (CDWR, 2019).

**4.2 FEDERAL, STATE AND TRIBAL ENVIRONMENTAL RECORDS**

A regulatory agency database search report was obtained from Environmental Data Resources, Inc. (EDR), a third-party environmental database search firm. A complete copy of the database search report, including the date the report was prepared, the date the information was last updated, and the definition of databases searched, is provided in Appendix D.

Stantec evaluated the information listed within the database relative to potential impact to the Property, assessing the potential for impacts based in part on the physical setting. As part of this process, inferences have been made regarding the likely groundwater flow direction at or near the Property. As described in 4.1.3, the inferred shallow groundwater flow direction is likely to be in the northwest direction. Observations about the Property and surrounding properties made during the Property reconnaissance are provided in more detail in Section 5.

**4.2.1 Listings for Property**

The Property was identified in the environmental database report under various databases. Below is a table summarizing the listings.

Listed Facility Name/Address	Database Listing	REC? (YES / NO)
Edwards Air Force Base 5 East Popson Ave Bldg 2650 Edwards AFB, CA 93524	DOD; NPL; SEMS; CORRACTS; RCRA- TSDf; RCRA-LQG; US ENG CONTROLS; US INST CONTROLS; ENVIROSTOR; HIST Cal-Sites; DEED; ROD; RAATS; PRP; ICIS; US AIRS; DOCKET HWC; ICE; PFAS	No
<p>Edwards Air Force Base (EAFB) occupies 301,000 acres south of the SR-58, between SR-14 and SR-395 junction. EAFB has been used by the military for practice bombing and as a gunnery range since the late 1920s when it was then called Muroc Army Airfield. The EDR report maps the entire boundary of the EAFB as a Department of Defense (DOD) site and the majority as a Superfund Site/NPL Site.</p> <p>Through the Department of Defense’s Installation Restoration Program (IRP), EAFB has identified over 500 potential hazardous waste sites within the boundaries of the base. These sites are known as IRP sites or Environmental Restoration Program (ERP) sites. EAFB has designated these sites numerically (i.e. Site 1, Site 2, etc) and grouped them into Operable Units (OU) 1 through 11. OUs 1, 2, 5, 6, 8 and 10 are located in the main base and south base areas. OU 3 references base-wide water wells, OUs 4 and 9 are located in the eastern portion of EAFB and OUs 7 and 11 are base-wide miscellaneous sites.</p>		





**PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT**

Records Review  
July 20, 2020

Listed Facility Name/Address	Database Listing	REC? (YES / NO)
No information is indicated in the EDR report that indicates environmental impacts within the boundaries of the Property. However, a review of additional documentation available through geotracker and from EAFB indicate that the Property passes through ERP Site 438. The ERP Site is discussed further in Section 4.4.6.		

4.2.2 Listings for Nearby Sites with Potential to Impact Property

Stantec assessed data presented in the environmental agency database search report to evaluate the potential for conditions on adjacent and nearby sites to pose a REC, CREC, or HREC for the Property. The evaluation included an opinion of the potential for contamination by hazardous substances or petroleum products to migrate to the Property from a nearby property, including by vapor migration or encroachment (i.e., potential for a vapor encroachment condition [VEC]).

Based on this evaluation, the following individual facilities were identified as the most likely potential sources of impact to the Property. The basis for why each of the following listed databases creates a REC for the property is also provided.

Listed Facility Name/Address	Database Listing	Distance/Direction from Property	REC? (YES / NO)
Off Base Adjacent Area 2 (East & West)	UXO	Adjacent north/northwest	No
This listing is for the historical presence of an aerial munitions target PB-9, located along the northern boundary of Edwards Air Force Base, approximately 1.1 miles west of the Property. While the former target is located over one mile away, an overshoot area for the target, known as AL505-2, has been mapped off of EAFB property to the north, east, and west. The eastern extent of AL505-2 is adjacent to the north of the Property for an approximate one-mile long segment at the west end. The AL505-2 area is not actually mapped on EAFB property so the limits of the PB-9 overshoot area on EAFB are unknown but would logically encompass a similar area on base. Further discussion regarding the on-base component of the overshoot area is provided in Section 4.4.6.			
Caltrans Beechers Maintenance Station 40400 Jct US 395 Boron, California	SWF/LF, CERS	Adjacent to the east/northeast	No
The Caltrans maintenance station is located south of Kramer Junction and adjacent to the north-south segment of the proposed gen-tie line at the east end of the Property. This facility is listed as a “limited volume transfer operation” for solid waste which includes mixed municipal waste and tires. This facility is considered unlikely to represent an environmental concern to the Property and no further investigation is recommended.			

The remaining listings in the database search report provided in Appendix D do not constitute a potential REC for the Property.



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### 4.3 LOCAL/REGIONAL ENVIRONMENTAL RECORDS

Stantec checked the following sources to obtain information pertaining to Property use and/or indications of RECs in connection with the Property:

#### 4.3.1 Local Health Department

Agency Name Contact Information	Finding
Edwards Air Force Base Environmental Restoration Program and Explosives Ordnance Disposal Unit	Stantec attempted to contact Ms. Claudia Basura and Mr. Paul Schiff with regard to Environmental Restoration Program (ERP) sites and/or ordnance issues within the Property boundaries. As of the date of this report, a response has not been received. However, Stantec has been informed that a response from Ms. Basura will be required as part of the Form 813 process. If Mr. Basura's response changes the conclusions of this report, an addendum will be issued discussing the changes.

#### 4.3.2 Fire Department

Agency Name Contact Information	Finding
Kern County Fire Department <a href="http://www.kerncountyfire.org/">http://www.kerncountyfire.org/</a>	There are no physical addresses tied to the Property parcel numbers. The Kern County Fire Department records are not searchable by assessor parcel number, and only by physical address only. The lack of records from this agency is not considered a significant data gap.

#### 4.3.3 Local Building and/or Planning Department Records

Agency Name, Contact Information	Findings
Kern County and San Bernardino Building Departments	Due to the lack of structures within the environmental footprint, a permit search at the San Bernardino County Building Department was not necessary for this section of the study area.
Regional Water Quality Control Board, Lahonton Region 15095 Amargosa Road, Building 2, Suite 210 Victorville, CA 92394	Stantec reviewed nearby facility listings on the State Water Resources Control online database Geotracker ( <a href="http://www.geotracker.waterboards.ca.gov">www.geotracker.waterboards.ca.gov</a> ). Details pertaining to these nearby facilities are discussed in Section 4.4.6.



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### 4.4 HISTORICAL RECORDS REVIEW

#### 4.4.1 Land Title Records/Deeds

Land title records, deeds, environmental liens, and activity and use limitation documentation was not provided by the User, and public records were not searched by Stantec.

No other land title records were reviewed by Stantec as part of this assessment.

#### 4.4.2 Aerial Photographs

Stantec reviewed historical aerial photographs provided by EDR. The general type of activity on a property and land use changes can often be discerned from the type and layout of structures visible in the photographs. However, specific elements of a facility's operation usually cannot be discerned from aerial photographs alone. The following table summarizes Stantec's observations of the reviewed historical aerial photographs.

Year	Scale	Observations, Property and Adjoining Properties
1953	1:20,000	<p>The Property is vacant desert land with no structures. Several seasonal drainages run north-south, perpendicular through the Property. A rectangular area measuring approximately 25 acres appears to have been cleared of the native desert vegetation from just west of the proposed transmission pole 40 until transmission pole 42. The reason for the land clearance is unclear.</p> <p>The town of Boron is located approximately 0.9 miles northwest of the west end of the Property, and Twenty Mule Team Road is observable dissecting the town. Kramer Junction is developed with several small structures at the northeast, southeast, and southwest corners.</p>
1972	1:34,000	<p>The Property appears similar to the previous photograph except that an irregular shaped area of disturbed land is visible between transmission poles 34 to 37. There is the potential that the disturbed land is related to aboveground and belowground utility line installations in the area. The Caltrans maintenance yard has been constructed adjacent to the east of Property.</p>
1984	1:58,000	<p>The Property looks similar to the previous photograph. Several dirt roads and power line easements cross the Property or run parallel to the Property. The SCE Kramer substation has been constructed adjacent to the east.</p>
1994-1995	1 meter GSD	<p>The Property remains largely similar to the previous photograph. Various surficial drainage details change over the photograph years; however, no substantial changes are observable within the Property boundaries. The gas station at the southwest corner of Kramer Junction has been constructed.</p>
2005	1 meter GSD	<p>The Property remains largely similar to the previous photograph. The nearby water agency building to the west of the Property at the Boron Rd gate, has been constructed.</p>



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Year	Scale	Observations, Property and Adjoining Properties
2009	1 meter GSD	The Property and surrounding properties remains similar to the previous photograph.
2012	1 meter GSD	The Property and surrounding properties remains similar to the previous photograph.
2016	6 meter GSD	The Property and surrounding properties remains similar to the previous photograph.

### 4.4.3 City Directories

Given that the Property is located in a remote, undeveloped area on EAFB property with no signs of surrounding development and no surrounding property addresses, city directories could not be researched.

### 4.4.4 Historical Topographic Maps

Stantec reviewed historical identify map USGS 7.5-minute Topographic Maps of the Kramer Junction, Leuhman Ridge, Saddleback Mountain, Boron, Johannesburg SW, and Rich, California Quadrangles to help identify past Property usage and areas of potential environmental concern.

No RECs were identified during review of these maps. Details pertaining to the findings are listed below. Copies of the historical maps are provided in Appendix E. The following table summarizes the maps reviewed and our observations.

Year	Scale	Observations, Property and Adjoining Properties
1937	1:24,000	This map shows the entire Property from the town of Boron in the west, to an area labeled as "Beecher" (now Kramer Junction). The towns of Kramer and Amargo are illustrated to the north of the Property. The topography is sloping to the north. Seasonal drainages and dirt road are illustrated as passing through the Property. There are no structural illustrations on or near the Property.
1942	1:24,000	The Property appears similar to the 1937 topographic map. The San Bernardino / Kern County boundary is illustrated.
1947	1:24,000	The Property appears similar to the previous maps. The boundary of EAFB is now illustrated and labeled as "Military Reservation (Approximate)". Boron and Beecher's Corner/Kramer Junction appear with multiple structures and roads.
1954, 1956	1:24,000	The Property and surrounding properties appear similar to the previous maps but with additional expansion of development in Boron and Kramer Junction. The substation at Kramer Junction is also illustrated. Pipelines and transmission lines run east to west approximately ½ mile to the north of the Property.
1973	1:24,000	The Property and surrounding properties appear similar to the previous maps except that several dirt roads labeled as "restricted" pass through the Property. The high voltage transmission lines that run adjacent to the majority of the Property are depicted. The



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Year	Scale	Observations, Property and Adjoining Properties
		Caltrans maintenance yard is not illustrated to the south of the substation at Kramer Junction. A “tracking station” is also depicted near Kramer Junction to the west of the Property.
2012	1:24,000	The Property and surrounding properties are shown but with very little details. Only major roads and towns are named. No structures are illustrated.

Name of maps and source: EDR, 2020.

4.4.5 Other Historical Sources

Stantec obtained the following historical documents and information through EAFB’s administrative documents website (adminrec.com) maintained by Labat Environmental and through online sources such as Geotracker and Envirostor. These documents are listed with a summary of the findings provided below.

*Earth Tech, Inc, 2002, Installation Restoration Program, Addendum No.2 to the Site Investigation Summary Report, Sites 437 and 438 – Suspected Burial Locations for Mustard (HD) Cans, Picric Acid, and AN-M120 Fuzes, Operable Unit No. 7, Edwards Air Force Base, California. January.*

*Department of the Air Force, 2001, No Further Investigation (NFI) Status for Chemical Warfare Material at Site 437 (Mustard Cans, Picric Acid [Kramer Junction]) and Site 438 (Mustard Cans, Picric Acid [Kramer Junction]), Chemical Warfare Material Operable Unit No. 7, Edward Air Force Base, California, August 16.*

ERP Sites 437 and 438 were suspected of being disposal sites for mustard cans, picric acid, and live fuzes based on an archived base map from 1953. ERP Site 437, which is mentioned in the same set of documents, is not located on the Property and is east of SR 395. However, ERP Site 438 is located in the northeast portion of EAFB along the segment of the proposed gen-tie easement that extends northerly toward the SCE Kramer substation, as shown on Figure 7. Based on its proximity to Kramer Junction (less than 1 mile) Site 438 was investigated further. The additional investigation was conducted by Earth Tech Inc (ETI) in 2001 on behalf of EAFB and included a review of historic aerial photographs and archived records, a field reconnaissance, and a geophysical survey at the suspected burial site. Historical aerial photographs reviewed from the 1940s and 1950s showed no evidence of disposal sites at the referenced locations. Archived records also suggested that although precision bombing targets were located in the eastern portion of the base, these bombing targets were not used to test chemical weapons such as mustard gas. Chemical weapons were reportedly tested further inside base boundaries in an area located approximately 13 miles from the Property. In combination with a review of archive records, a field reconnaissance conducted by ETI revealed no evidence of burial or surface disposal. Additionally, the geophysical survey that was performed at ERP Site 438 covered an approximate 1,400 feet by 1,400 feet area (~45 acres). The results of the geophysical surveys detected no magnetic anomalies consistent with the signature of burial trenches. The only magnetic anomalies were natural gas pipelines that are located in the northern portion of the search area.

The information obtained during the investigation of Site 438 was summarized in a “No Further Investigation” (NFI) letter submitted by the Department of the Air Force to the RWQCB, DTSC, and



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EPA. The NFI letter was signed by each of the agencies indicating their concurrence with the finding that no further investigation was necessary.

*United States Army Corps of Engineers (USACE), 2010, Final Comprehensive Site Evaluation (CSE) Phase II, Revision 04, Military Munitions Response Program, Edward Air Force Base, California, August.*

*Bay West, 2019, Executive Summary Letter Report, Peak Valley Solar Farm Project, Kern County, California, January 28.*

This letter provides an overview of the munitions studies and remedial activities that have occurred at the Peak Valley Solar Farm Project, located in Kern County. Peak Valley is the former name of the Aratina Solar Farm Project (the Property). In 2005 and 2006, the United States Army Corps of Engineers contracted BayWest to conduct a Comprehensive Site Evaluation (CSE) Phase I to characterize the potential presence of Munitions and Explosives of Concern (MEC) and to evaluate actual or potential releases of Mmunition Constituents (MC) in the area of the former PB-9 target, which are located within the Munitions Response Site (MRS) AL505-2, located to the west of the Property. In 2007, BayWest performed a CSE Phase II investigation to determine whether additional munitions response activities were warranted based on the results of the CSE Phase I. The CSE Phase II included soil samples and analyses of MC, explosives, and metals. The results of the CSE Phase II investigation found no MEC or materials potentially presenting an explosive hazards (MPPEH) onsite. Additionally, BayWest concluded that no MEC or MPPEH is expected to be found in the future, based on historical records of site utilization by the Department of Defense. BayWest did identify the presence of munitions debris (MD) associated with the PB-9 bombing target.

AL505-2 was split into separate sites: AL505-2a (east and west portions) and AL505-2 (central portion). Of these areas, AL505-2a (east portion) is mapped as being to the north of the west end of the proposed gen-tie easement for approximately 1.5 miles. AL505-2a (east and west portions) were recommend for No Further Action (NFA) and was later removed from the MMRP inventory by the Department of Defense Explosive Safety Board (DDESB) in March 2017. However, it should be noted that the CSE Phase II report only maps the off base portion of the overshoot area and that the overshoot area for PB-9 would have an "on-base component" that can be inferred to encompass the areas east and southeast of PB-9 overlapping with western portions of the Property.

Given that the Property is located within the boundaries of EAFB, an active military installation. Moreover, the Property passes through the EAFB PIRA and is near a known munitions response site (AL505-2) resulted in the potential for UXO or munitions debris to be present at the Property. It is recommended that any construction planning and eventual ground disturbance work should proceed under the consultation and guidance of EAFB.



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Site Reconnaissance  
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## 5.0 SITE RECONNAISSANCE

A visit to the east end of the Property and its vicinity was conducted by Mr. Dion Monge and Mr. Joshua Sargent of Stantec on May 22, 2020. The remainder of the Property, which was located beyond the EAFB fence line, was performed by Mr. Dion Monge on June 4, 2020. Access onto EAFB was coordinated through Mr. Alex Sundquist, Vice President of Land Development for 8minute Solar Energy. Stantec was unaccompanied during the Property visits. Figure 2 provides information about the Property and adjoining properties and the location of potential areas of environmental concern. Detailed Property features are provided on Figures 3 through 7. Photographs collected during the Property visit are included in Appendix A.

### 5.1 SITE RECONNAISSANCE METHODOLOGY

The site reconnaissance focused on observation of current conditions and observable indications of past uses and conditions of the Property that may indicate the presence of RECs. The reconnaissance of the Property was conducted on foot and Stantec utilized the following methodology to observe the Property:

- Drive the outer Property boundary.
- Traverse transects across the Property.
- Visually observed areas with indication of features, activities, or disturbance.

Weather conditions during the visit to the Property were clear and sunny. There were no weather-related Property access restrictions encountered during the reconnaissance visit.

### 5.2 GENERAL DESCRIPTION

<b>Property and Area Description:</b>	The Property spans a corridor through ten parcels of land located in San Bernardino and Kern Counties in California (Figure 2). All ten of the parcels are owned by the United States Government and operated by Edward Air Force Base (EAFB) as part of their Precision Impact Range Area (PIRA). The PIRA contains targets, gunnery ranges, and drop zones for pilots and engineers to test aircraft and weapon systems using primarily infrared laser imaging. The parcels that the proposed gen-tie passes through are contiguous and include the following: 24401012, 049226203, 049226204, 049222114, 049222113, 049222109, 049222108, 049222107, 049222106, and 049220101. Also located within the PIRA is an existing SCE overhead transmission line that crosses over and runs adjacent to the north of Property (i.e. the proposed gen-tie line).
<b>Property Operations.</b>	The Property is currently vacant land with no observable uses. However, it is designated by EAFB as the PIRA.
<b>Structures, Roads, Other Improvements:</b>	Dirt roads and high voltage transmission lines run alongside or pass through portions of the Property. No usable buildings were observed within the Property boundaries. One groundwater monitoring well



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	was observed in the western portion of the Property (Figure 3, Photograph 4)
<b>Property Size (acres):</b>	Approximately 23 acres (6.5 miles long by 30 feet wide)
<b>Estimated % of Property Covered by Buildings and/or Pavement:</b>	0%
<b>Observed Current Property Use/Operations:</b>	The Property passes through the EAFB PIRA, as indicated by signage.
<b>Observed Evidence of Past Property Use(s):</b>	The PIRA signage in some areas is very old and weather damaged which indicates similar use as the present day.
<b>Sewage Disposal Method (and age):</b>	Unknown
<b>Potable Water Source:</b>	Unknown
<b>Electric Utility:</b>	Unknown

### 5.3 HAZARDOUS SUBSTANCES AND PETROLEUM PRODUCTS

The following table summarizes Stantec's observations during the Property reconnaissance.

<b>Observations</b>	<b>Description/Location</b>
<b>Hazardous Substances and Petroleum Products as Defined by CERCLA 42 U.S.C. § 9601(14):</b>	Signage for underground natural gas pipelines were observed that indicated gas lines pass through the north-south trending segment of the Property near Kramer Junction.
<b>Drums (≥ 5 gallons):</b>	None observed.
<b>Strong, Pungent, or Noxious Odors:</b>	None detected.
<b>Pools of Liquid:</b>	None observed.
<b>Unidentified Substance Containers:</b>	A debris pile containing old and weathered food cans, two 1-gallon gasoline cans, and a 1-gallon container of apparent paint thinner were observed offsite but adjacent to the south of the Property. The location of the debris pile is illustrated on Figure 5 and a photograph is provided in Appendix A, Photograph 11. No further investigation is recommend given that it is offsite and no staining or odors were observed in this area.
<b>PCB-Containing Equipment:</b>	None observed.
<b>Other Observed Evidence of Hazardous Substances or Petroleum Products:</b>	None observed.

### 5.4 INTERIOR OBSERVATIONS

No buildings are present within the Property boundaries which were enterable or habitable.





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5.5 EXTERIOR OBSERVATIONS

Stantec made the following observations during the site reconnaissance of exterior areas of the Property and/or identified the following information during the interview or records review portions of the assessment:

Observations	Description
<b>On-site Pits, Ponds, or Lagoons:</b>	None observed.
<b>Stained Soil or Pavement:</b>	None observed.
<b>Stressed Vegetation:</b>	None observed.
<b>Waste Streams and Waste Collection Areas:</b>	None observed.
<b>Solid Waste Disposal:</b>	As mentioned in Section 5.3, a debris pile containing old and weathered food cans, two 1-gallon gasoline cans, and a 1-gallon container of apparent paint thinner were observed offsite but adjacent to the south of the Property. The location of the debris pile is illustrated on Figure 5 and a photograph is provided in Appendix A, Photograph 11. No further investigation is recommend given that it is offsite and no staining or odors were observed in this area
<b>Potential Areas of Fill Placement:</b>	None observed.
<b>Wastewater:</b>	No exterior wastewater discharge was observed.
<b>Stormwater:</b>	No stormwater discharge was observed during the Property visit.
<b>Wells:</b>	One monitoring well was observed within the western portion of the Property, as illustrated in Figure 3. The specific use of the monitoring well is unknown but is likely a part of the EAFB Operable Unit 3, Basewide Monitoring Wells. Stantec recommends that this well be preserved during construction activities and not disturbed unless permission is provided by EAFB that the well can be destroyed/abandoned. Any destruction/abandonment would also require the appropriate permitting from Kern County.
<b>Septic Systems:</b>	No visible evidence of the existence of a septic system was observed.
<b>Other Exterior Observations:</b>	None observed. However, signage was observed indicating that the Property lies within the PIRA, as discussed in previous sections of this report

5.6 UNDERGROUND STORAGE TANKS/STRUCTURES

<b>Existing USTs:</b>	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), which would indicate the presence of USTs, was discovered during the site reconnaissance.
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<b>Former USTs:</b>	No visible evidence (fill pipes, vent pipes, dispensers, surface patches), reports, or other evidence of the former presence of USTs was discovered during this Phase I ESA.
<b>Other Underground Structures:</b>	Signage for underground natural gas pipelines were observed that indicated gas lines pass through the north-south trending segment of the Property near Kramer Junction. Additionally, a sign was observed in the east portion of the Property that indicated that a communications line passes through the Property.

### 5.7 ABOVEGROUND STORAGE TANKS

<b>Existing ASTs:</b>	No visible evidence (fill pipes, vent pipes, dispensers, surface stains), which would indicate the presence of ASTs, was discovered during the site reconnaissance.
<b>Former ASTs:</b>	No visible evidence (fill pipes, vent pipes, dispensers, surface stains), reports, or other evidence of the former presence of ASTs was discovered during this Phase I ESA.

### 5.8 ADJOINING PROPERTIES

#### 5.8.1 Current Uses of Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about use and activities on adjoining properties:

<b>NORTH</b>	Vacant desert land
<b>EAST</b>	The Caltrans Beecher's Corner Maintenance Station and SCE substation are adjacent to the east end of the Property, as shown on Figure 7. Vacant desert land owned by Edwards Air Force Base is to the east/southeast.
<b>SOUTH</b>	Vacant desert land owned by Edwards Air Force Base.
<b>WEST</b>	Vacant desert land owned by Edwards Air Force Base.

Refer to Figures 2 through 7.

#### 5.8.2 Observed Evidence of Past Uses of Adjoining Properties

Observations of adjoining properties providing indications of past use and activities, if any, are described below.

<b>NORTH</b>	None observed.
<b>EAST</b>	None observed.
<b>SOUTH</b>	None observed.
<b>WEST</b>	None observed.



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### 5.8.3 Pits, Ponds or Lagoons on Adjoining Properties

As viewed from the Property and/or from public rights-of-way, Stantec made the following observations about the presence of pits, ponds and lagoons on adjoining properties:

<b>NORTH</b>	None observed.
<b>EAST</b>	None observed.
<b>SOUTH</b>	None observed.
<b>WEST</b>	None observed.

### 5.9 OBSERVED PHYSICAL SETTING

<b>Topography of the Property and Surrounding Area:</b>	The Property and surrounding areas appears flat, however, elevations range from approximately 2,500 to 2,580 feet amsl. Several seasonal drainages trend in a general south to north direction through portions of the Property.
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### 6.0 INTERVIEWS

Stantec did not conduct interviews with any persons in connection with this investigation.



# PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Evaluation  
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## 7.0 EVALUATION

This section provides a summary overview of or Findings, Opinions, and Conclusions.

### 7.1 FINDINGS AND OPINIONS

Information gathered from interviews, reviews of existing data, and a property inspection was evaluated to determine if RECs are present in connection with the Property. Based on this information, Stantec made the following findings and developed the following opinions.

- Finding 1: **Precision Impact Bombing Area (PIRA) and Target Site PB-9 Overshoot Area.** The Property is owned by the United States Government and operated by EAFB as part of their PIRA. The PIRA contains targets, gunnery ranges, and drop zones for pilots and engineers to test aircraft and weapon systems using primarily infrared laser imaging. However, in the past live fire training activities took place within the PIRA. Based on historical reports indicate that a former Precision Bombing target 9 (PB-9) was located partially outside of EAFB property resulting in an off-base overshoot area designated at AL505-2. The AL505-2 overshoot area is not located on the Property. However, the west end of the Property would presumably fall within a portion of the base that would be part of an overshoot area related to the same PB-9 target.
- Opinion 1: Given that the Property is located within the boundaries of EAFB, an active military installation. Moreover, the Property passes through the EAFB PIRA and is near a known munitions response site (AL505-2) resulted in the potential for UXO or munitions debris to be present at the Property. The potential presence for UXO and/or munitions debris is considered a REC and Stantec recommends that any construction planning and eventual ground disturbance work should proceed under the consultation and guidance of EAFB.
- Finding 2: **Underground Natural Gas Pipelines.** At least one underground natural gas pipeline runs through the Property (in the northeast). It is understood that this infrastructure will remain in-place during the Property development.
- Opinion 2: Various leak-identification systems are in-place for such pipelines and it is unlikely that any leakage has occurred. Therefore, the presence of the pipeline facilities are not considered a REC to the Property. However, civil engineers should be contacted to determine, and confirm, the locations of the underground pipeline and the required easements prior to any ground disturbance.
- Finding 3: **Site 438.** ERP Site 438 is located in the northeast portion of EAFB along the segment of the proposed gen-tie easement that extends northerly toward the SCE Kramer substation, as shown on Figure 7. Site 438 was suspected of being a disposal site for mustard cans, picric acid, and live fuses based on an archived base map from 1953. Based on its proximity to Kramer Junction (less than 1 mile) Site 438 was investigated



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further. The additional investigation was conducted by Earth Tech Inc (ETI) in 2001 on behalf of EAFB and included a review of historic aerial photographs and archived records, a field reconnaissance, and a geophysical survey at the suspected burial site. Historical aerial photographs reviewed from the 1940s and 1950s showed no evidence of a disposal site at this location. Archived records also suggested that although precision bombing targets were located in the eastern portion of the base, these bombing targets were not used to test chemical weapons such as mustard gas. Chemical weapons were reportedly tested further inside base boundaries in an area located approximately 13 miles from the Property. In combination with a review of archive records, a field reconnaissance conducted by ETI revealed no evidence of burial or surface disposal. Additionally, the geophysical survey that was performed at ERP Site 438 covered an approximate 1,400 feet by 1,400 feet area (~45 acres). The results of the geophysical surveys detected no magnetic anomalies consistent with the signature of burial trenches. The only magnetic anomalies were natural gas pipelines that are located in the northern portion of the search area.

Opinion 3: The information obtained during the investigation of Site 438 was summarized in a "No Further Investigation" (NFI) letter submitted by the Department of the Air Force to the RWQCB, DTSC, and EPA. The NFI letter was signed by each of the agencies indicating their concurrence with the finding that no further investigation was necessary. Given the NFI issued by three environmental agencies, Stantec recommends no further investigation of this issue.

Finding 4: **Water Wells.** One monitoring well was observed within the western portion of the Property, as illustrated in Figure 3.

Opinion 4: The specific use of the monitoring well is unknown but is likely a part of the EAFB Operable Unit 3, Basewide Monitoring Wells. Stantec recommends that this well be preserved during construction activities and not disturbed unless permission is provided by EAFB that the well can be destroyed/abandoned. Any destruction/abandonment would also require the appropriate permitting from Kern County.

### 7.2 DATA GAPS

The federal AAI final rule [40 CFR 312.10(a)] and ASTM E1527-13 identify a "data gap" as the lack or inability to obtain information required by the standards and practices of the rule despite good faith efforts by the Environmental Professional or the User.

Any data gaps resulting from the Phase I ESA described in this report are listed and discussed below.

Gap	Discussion
Deletions or Exceptions from Scope of Work:	None



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Gap	Discussion
<b>Weather-Related Restrictions to Site Reconnaissance:</b>	None
<b>Facility Access Restrictions to Site Reconnaissance:</b>	None
<b>Other Site Reconnaissance Restrictions:</b>	None
<b>Data Gaps from Environmental Records Review:</b>	None
<b>Data Gaps from Historical Records Review:</b>	None
<b>Data Gaps from Interviews:</b>	Stantec attempted to contact Ms. Claudia Basura and Mr. Paul Schiff with the Environmental Restoration Program (ERP) and Ordnance Disposal Unit, respectively. As of the date of this report, no response has been received regarding Stantec's inquiry. As a result this is considered a data gap. However, Stantec has been informed that a response from Ms. Basura will be required as part of the Form 813 process. If Mr. Basura's response changes the conclusions of this report, an addendum will be issued discussing the changes.
<b>Other Data Gaps:</b>	None

## 7.3 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of the proposed gen-tie easement through EAFB land to the south of the communities of Boron and Kramer Junction, in Kern and San Bernardino Counties, California (the Property). Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report. This assessment has revealed the following evidence of recognized environmental conditions in connection with the Property:

- Precision Impact Bombing Area (PIRA) and Target Site PB-9 Overshoot Area.** The Property is owned by the United States Government and operated by EAFB as part of their PIRA. The PIRA contains targets, gunnery ranges, and drop zones for pilots and engineers to test aircraft and weapon systems using primarily infrared laser imaging. However, in the past live fire training activities took place within the PIRA. Based on historical reports indicate that a former Precision Bombing target 9 (PB-9) was located partially outside of EAFB property resulting in an off-base overshoot area designated at AL505-2. The AL505-2 overshoot area is not located on the Property. However, the west end of the Property would presumably fall within a portion of the base that would be part of an overshoot area related to the same PB-9 target.

Given that the Property is located within the boundaries of EAFB, an active military installation. Moreover, the Property passes through the EAFB PIRA and is near a known munitions response site (AL505-2) resulted in the potential for unexploded ordnance (UXO) or munitions debris to be



## PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Evaluation  
July 20, 2020

present at the Property. The potential presence for UXO and/or munitions debris is considered a REC and Stantec recommends that any construction planning and eventual ground disturbance work should proceed under the consultation and guidance of EAFB. Stantec is not recommending any further assessment of UXO and/or munitions debris, at this time apart from what would be required by EAFB.

In addition, Stantec identified the following items of note that should be considered during construction planning:

- **Underground Natural Gas Pipelines.** At least one underground natural gas pipeline runs through the Property (in the northeast). It is understood that this infrastructure will remain in-place during the Property development. Various leak-identification systems are in-place for such pipelines and it is unlikely that any leakage has occurred. Therefore, the presence of the pipeline facilities are not considered a REC to the Property. However, civil engineers should be contacted to determine, and confirm, the locations of the underground pipeline and the required easements prior to any ground disturbance.
- **Water Wells.** One monitoring well was observed within the western portion of the Property, as illustrated in Figure 3. The specific use of the monitoring well is unknown but is likely a part of the EAFB Operable Unit 3, Basewide Monitoring Wells. Stantec recommends that this well be preserved during construction activities and not disturbed unless permission is provided by EAFB that the well can be destroyed/abandoned. Any destruction/abandonment would also require the appropriate permitting from Kern County.



# PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Non-Scope Considerations  
July 20, 2020

## 8.0 NON-SCOPE CONSIDERATIONS

The scope of work completed was limited solely to those items in the ASTM E1527-13 standard. No ASTM E1527-13 non-scope services were performed as part of this Phase I ESA.

### 8.1 LEAD-BASED PAINT

Concern for lead-based paint (LBP) is primarily related to residential structures. The EPA's Final Rule on Disclosure of Lead-Based Paint in Housing (40 CFR Part 745) defines LBP as paint or other surface coatings that contain lead equal to or in excess of 1.0 milligram per square centimeter or 0.5 percent by weight.

The risk of lead toxicity in LBP varies based upon the condition of the paint and the year of its application. The U.S. Department of Housing and Urban Development (HUD) has identified the following risk factors:

- The age of the dwelling as follows: maximum risk is from paint applied before 1950.
- There is severe risk from paint applied before 1960.
- There is moderate risk from deteriorated paint applied before 1970.
- There is slight risk from the paint that is intact but applied before 1977.
- The condition of the painted surfaces.
- The presence of children and certain types of households in the building.
- Previously reported cases of lead poisoning in the building or area.

Construction Date	Residential (Yes/No)	Observed Condition of Painted Surfaces
N/A	No	There are no painted structures or surfaces at the Property.

### 8.2 ASBESTOS

Asbestos can be found in many applications, including sprayed-on or blanket-type insulation, pipe wraps, mastics, floor and ceiling tiles, wallboard, mortar, roofing materials, and a variety of other materials commonly used in construction. The greatest asbestos-related human health risks are associated with friable asbestos, which is ACM that can be reduced to powder by hand pressure. Friable asbestos can become airborne and inhaled, which has been associated with specific types of respiratory disease. The manufacturing and use of asbestos in most building products was curtailed during the late 1970s.

There are no buildings structures on the Property, therefore ACM is unlikely. However, Stantec makes no warranty as to the possible existence or absence of inaccessible materials or to their evaluation with respect to asbestos content, especially if underground utilities are present that are coated with, or wrapped with ACM. Samples of suspect ACM should be collected for laboratory analysis of asbestos prior to any renovation or building demolition to be compliant with, EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) regulations.





## PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

Non-Scope Considerations  
July 20, 2020

### 8.3 FLOOD ZONES

Stantec searched the FEMA flood plain map service at [www.msc.fema.gov](http://www.msc.fema.gov). According to the interactive map on the website, portions of the Property are within 500-year and 100-year flood zone areas.



## PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT

References  
July 20, 2020

### 9.0 REFERENCES

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American Society for Testing and Materials, 2013, Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process, Designation: E 1527-13.

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\_\_\_\_\_, EDR Historical Topo Map Report, Inquiry Number 6089723.5, dated June 15, 2020.

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\_\_\_\_\_, EDR DataMap Well Search Report, Inquiry Number 6089723.2w, dated June 12, 2020.

Department of Toxic Substances Control (DTSC), Envirostor website:  
<https://www.envirostor.dtsc.ca.gov/public/>

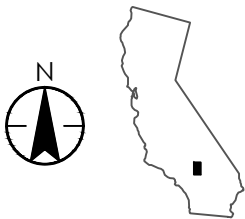
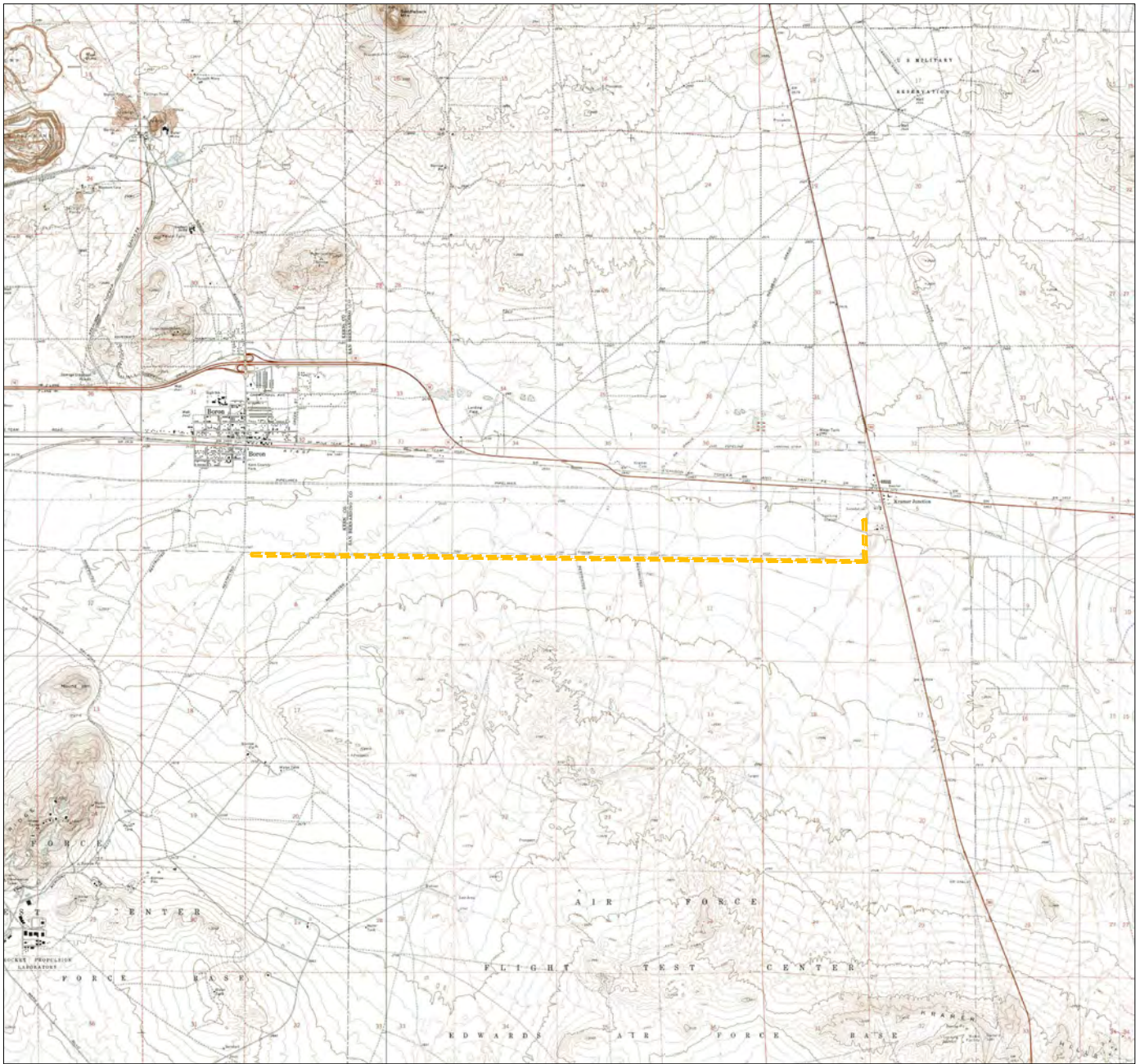
State Water Resources Control Board, GeoTracker website: <https://geotracker.waterboards.ca.gov/>

US EPA, Map of Radon Zones, Interactive Radon Map, website: <https://www.epa.gov/radon/epa-map-radon-zones>

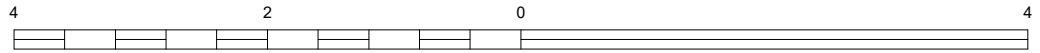


# FIGURES

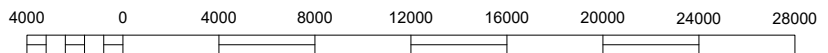




CALIFORNIA



SCALE IN MILE



SCALE IN FEET

REFERENCE: USGS 7.5 X 15 MINUTE QUADRANGLE; BORON; 1973



FOR:  
**ARATINA GENTIE EASEMENT  
 KERN AND SAN BERNARDINO COUNTIES  
 CALIFORNIA**

**PROPERTY LOCATION MAP**

FIGURE:

**1**

735 EAST CARNEGIE DRIVE, SUITE 280  
 SAN BERNARDINO, CA 92408  
 PHONE: (909) 335-6116 FAX: (909) 335-6120

JOB NUMBER:  
 185804366

DRAWN BY:  
 JS



CHECKED BY:  
 DM

APPROVED BY:  
 KE

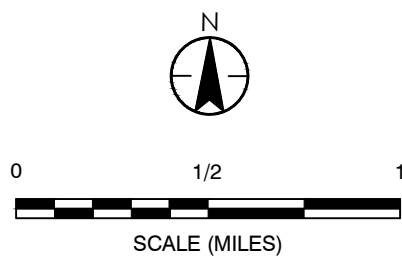
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 06/13/2020




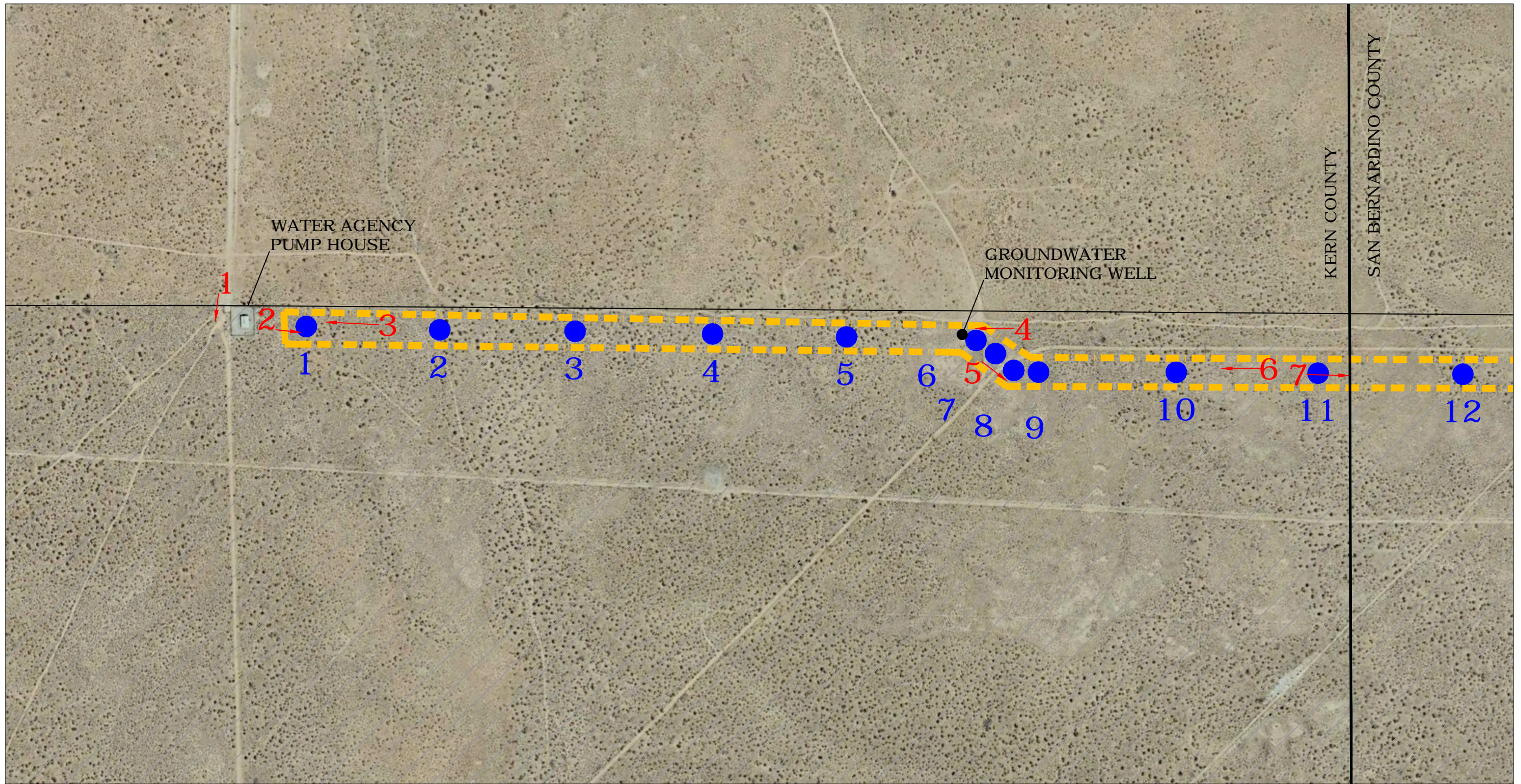
**LEGEND**

-  APPROXIMATE LIMITS OF GENTIE EASEMENT
-  APPROXIMATE EXTENT OF EDWARDS AIR FORCE BASE




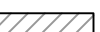
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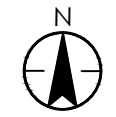


 735 EAST CARNEGIE DRIVE, SUITE 280 SAN BERNARDINO, CA 92408 PHONE: (909) 335-6116 FAX: (909) 335-6120	FOR:	PROPERTY AREA AND VICINITY MAP		FIGURE:
	ARATINA GENTIE EASEMENT KERN AND SAN BERNARDINO COUNTIES CALIFORNIA			2
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185804366	JS	DM	KE	06/13/2020



**LEGEND**

-  APPROXIMATE LIMITS OF PROPERTY
-  APPROXIMATE LOCATION OF PROPOSED ELECTRICAL TOWER
-  APPROXIMATE LOCATION OF PHOTOLOG PICTURE
-  APPROXIMATE EXTENT OF EDWARDS AIR FORCE BASE



0 500 1000

SCALE (FEET)







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 SAN BERNARDINO, CA 92408  
 PHONE: (909) 335-6116 FAX: (909) 335-6120

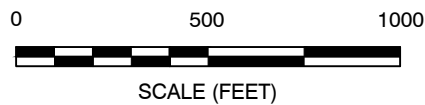
FOR: ARATINA GENTIE EASEMENT KERN AND SAN BERNARDINO COUNTIES CALIFORNIA		PROPERTY DETAIL MAP		FIGURE: <b>3</b>
JOB NUMBER: 185804366	DRAWN BY: JS	CHECKED BY: DM	APPROVED BY: KE	DATE: 06/13/2020

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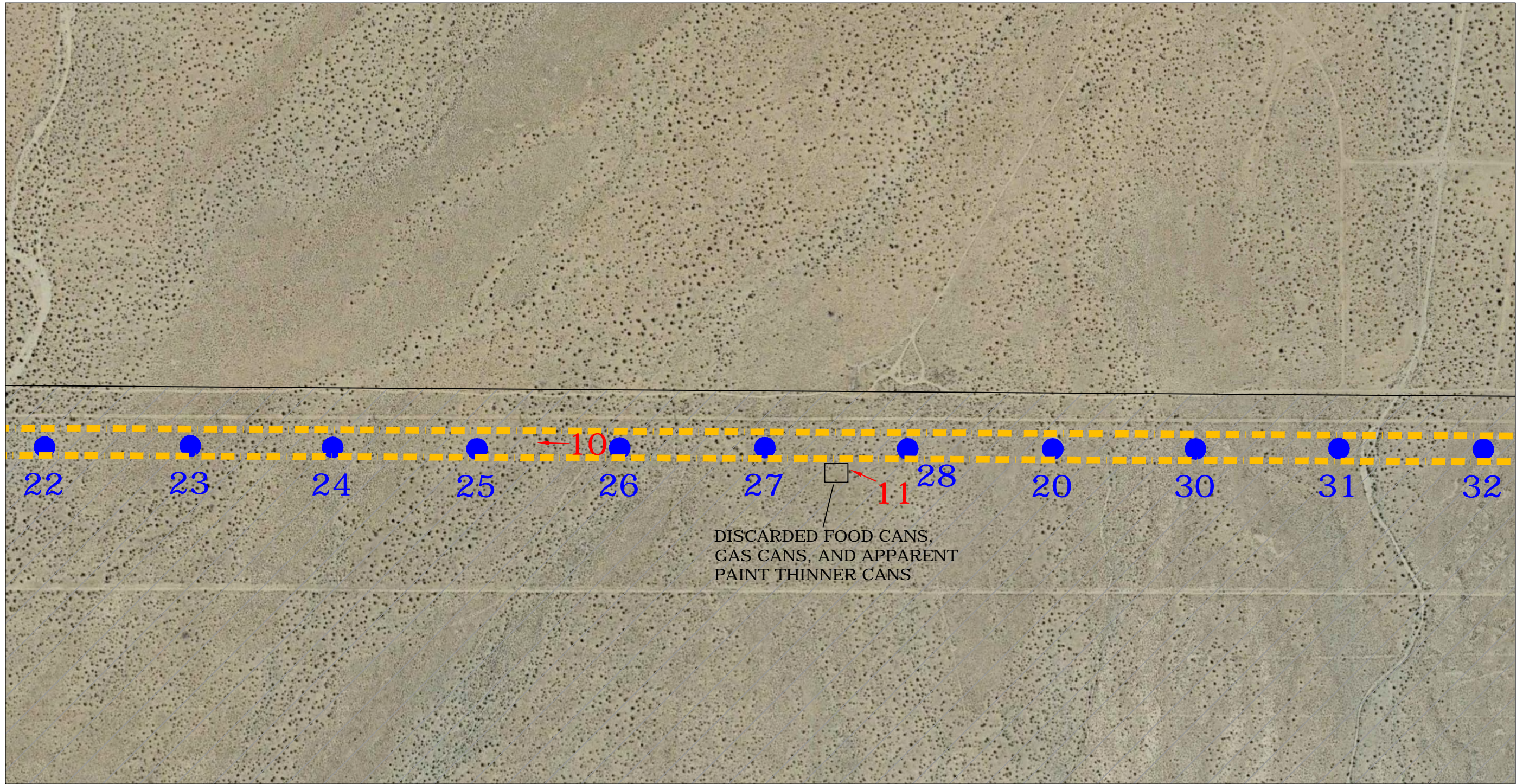
**LEGEND**

-  APPROXIMATE LIMITS OF PROPERTY
-  APPROXIMATE LOCATION OF PROPOSED ELECTRICAL TOWER
-  APPROXIMATE LOCATION OF PHOTOLOG PICTURE
-  APPROXIMATE EXTENT OF EDWARDS AIR FORCE BASE



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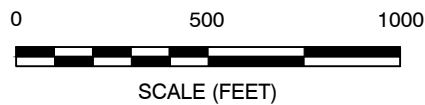
 735 EAST CARNEGIE DRIVE, SUITE 280 SAN BERNARDINO, CA 92408 PHONE: (909) 335-6116 FAX: (909) 335-6120	FOR:	PROPERTY DETAIL MAP		FIGURE:
	ARATINA GENTIE EASEMENT KERN AND SAN BERNARDINO COUNTIES CALIFORNIA			4
JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
185804366	JS	DM	KE	06/13/2020



DISCARDED FOOD CANS,  
GAS CANS, AND APPARENT  
PAINT THINNER CANS

**LEGEND**

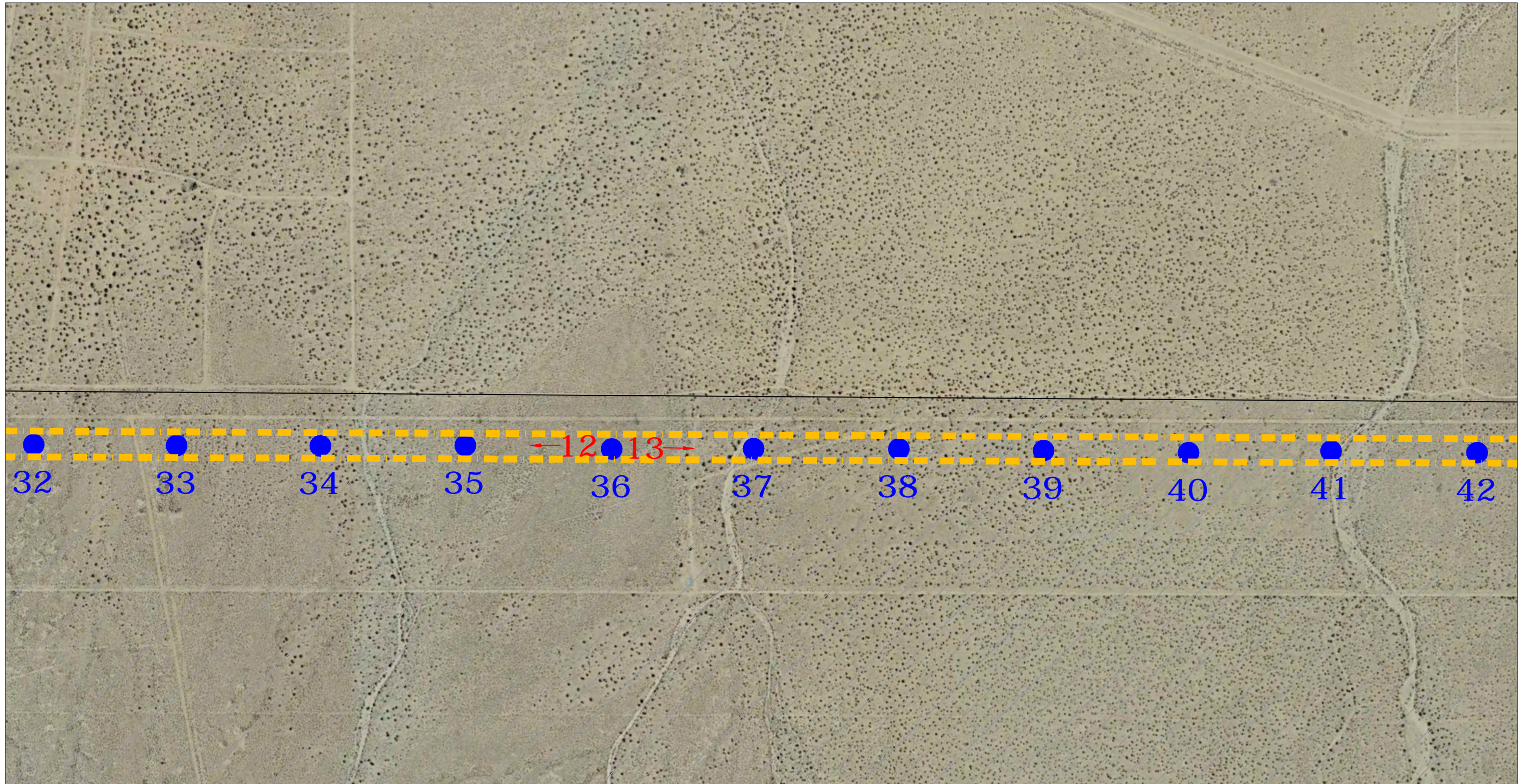
- APPROXIMATE LIMITS OF PROPERTY
- APPROXIMATE LOCATION OF PROPOSED ELECTRICAL TOWER
- APPROXIMATE LOCATION OF PHOTOLOG PICTURE
- APPROXIMATE EXTENT OF EDWARDS AIR FORCE BASE



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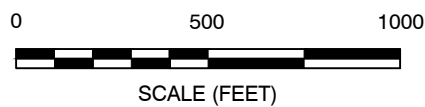
<p>735 EAST CARNEGIE DRIVE, SUITE 280 SAN BERNARDINO, CA 92408 PHONE: (909) 335-6116 FAX: (909) 335-6120</p>	FOR: ARATINA GENTIE EASEMENT KERN COUNTY, CALIFORNIA		PROPERTY DETAIL MAP		FIGURE: <b>5</b>
	JOB NUMBER: 185804366	DRAWN BY: JS	CHECKED BY: DM	APPROVED BY: KE	DATE: 06/13/2020





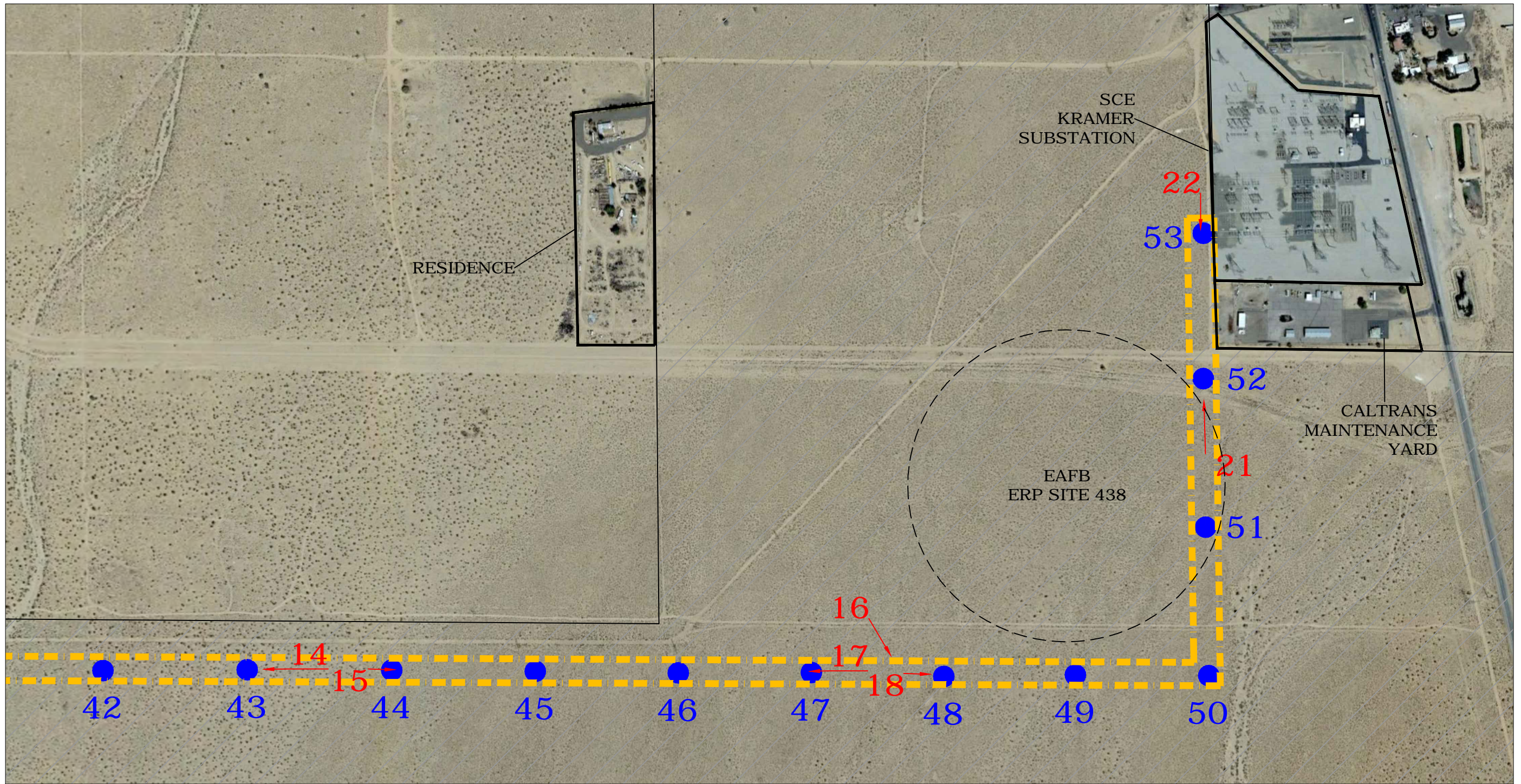
**LEGEND**

- APPROXIMATE LIMITS OF PROPERTY
- APPROXIMATE LOCATION OF PROPOSED ELECTRICAL TOWER
- APPROXIMATE LOCATION OF PHOTOLOG PICTURE
- APPROXIMATE EXTENT OF EDWARDS AIR FORCE BASE




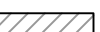


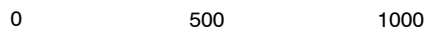
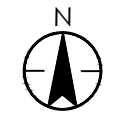
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<p>735 EAST CARNEGIE DRIVE, SUITE 280 SAN BERNARDINO, CA 92408 PHONE: (909) 335-6116 FAX: (909) 335-6120</p>	FOR: ARATINA GENTIE EASEMENT KERN AND SAN BERNARDINO COUNTIES CALIFORNIA		PROPERTY DETAIL MAP		FIGURE: <span style="font-size: 24pt; font-weight: bold;">6</span>
	JOB NUMBER: 185804366	DRAWN BY: JS	CHECKED BY: DM	APPROVED BY: KE	DATE: 06/13/2020



**LEGEND**

-  APPROXIMATE LIMITS OF PROPERTY
-  APPROXIMATE LOCATION OF PROPOSED ELECTRICAL TOWER
-  APPROXIMATE LOCATION OF PHOTOLOG PICTURE
-  APPROXIMATE EXTENT OF EDWARDS AIR FORCE BASE



SCALE (FEET)



735 EAST CARNEGIE DRIVE, SUITE 280  
 SAN BERNARDINO, CA 92408  
 PHONE: (909) 335-6116 FAX: (909) 335-6120

FOR: ARATINA GENTIE EASEMENT KERN AND SAN BERNARDINO COUNTIES CALIFORNIA		PROPERTY DETAIL MAP		FIGURE: <b>7</b>
JOB NUMBER: 185804366	DRAWN BY: JS	CHECKED BY: DM	APPROVED BY: KE	DATE: 06/13/2020

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# APPENDICES



**PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT**

Appendix A Photographs of the Property and Vicinity  
July 20, 2020

Appendix A Photographs of the Property and Vicinity





**Photo #1** Boron Gate into EAFB off of Boron Road. The gate is located west of the Property.



**Photo #2** Facing east from the west end of the Property.



**Photo #3** Facing west toward the offsite water agency building that is approximately 250 feet west of the Property.



**Photo #4** Facing west at a groundwater monitoring well located in the western portion of the Property (Figure 3).



**Photo #5** Facing east along the Property alignment (Figure 3).



**Photo #6** Facing west along the Property alignment (Figure 3).



**Photo #7** Facing east along the Property alignment (refer to Figure 3).



**Photo #8** Facing west along the Property alignment (Figure 4).





**Photo #9** Facing east toward the Property alignment (Figure 4).



**Photo #10** Facing west toward the Property alignment (Figure 5)



**Photo #11** View of old discarded food cans, three gas cans, and an apparent paint thinner can adjacent to the south of the proposed gen-tie easement, i.e. the Property (Figure 5).



**Photo #12** Facing west toward the Property alignment (Figure 6).



**Photo #13** Facing east toward the Property alignment (Figure 6).



**Photo #14** Facing west toward the Property alignment (Figure 7).



**Photo #15** Facing east toward the Property alignment (Figure 7).



**Photo #16** Sign indicating buried communication line near the east end of the Property (Figure 7)



**Photo #17** Facing west toward the Property alignment (Figure 7).



**Photo #18** Facing east toward the Property alignment (Figure 7).



**Photo #19** Facing west at the point where the proposed gen-tie easement turns north toward the SCE Kramer substation (Figure 7).



**Photo #20** Facing north at the point where the proposed gen-tie easement turns north toward the SCE Kramer substation (Figure 7).



**Photo #21** Facing north near the SCE Kramer substation (Figure 7).



**Photo #22** Facing south near the SCE Kramer substation (Figure 7).

**PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT**

Appendix B Stantec Resumes  
July 20, 2020

Appendix B STANTEC RESUMES





Dion has extensive knowledge of underground storage tank investigations, Phase I and II environmental site assessment, groundwater monitoring and reporting, soil, soil vapor, and groundwater quality assessments, and testing for asbestos and lead based paint. His project experience is extensive and wide ranging and includes many types of soil, soil vapor, and groundwater assessment and monitoring for planned, existing, and former sites. Dion also has experience in testing fill soils placed on grading sites.

He has experience on redevelopment of former oil field sites that include submittal of construction site review plans, oil well mitigation (venting and casing alterations), abandonment of oil wells, and remedial investigations and remediation involving soil contamination.

Dion also has experience working with 1166 AQMD air monitoring on projects ranging from limited access dry cleaner excavations, solvent excavations, and petroleum excavations related to underground storage tank releases. Included in this type of monitoring is the assessment of a safe work environment for the contractors involved with this type of work.

He has considerable knowledge in asbestos and lead based paint sampling as a building inspector and lead sampling technician. Asbestos and lead based paint surveys have ranged from large office buildings to sampling highway bridges.

## EDUCATION

BS, Soil Science, California Polytechnic University, Pomona, Pomona, California, 2004

Health & Safety Certification (29 CFR 1910.120), 40-Hour OSHA Health & Safety Certification, Redlands, California, 2005

Health & Safety Annual Update Certification, 8-Hour OSHA, Redlands, California, 2009

First Aid/CPR, American Red Cross, Redlands, California, 2009

Certified Building Inspector, AHERA 8-Hour Refresher, Redlands, California, 2009

## PROJECT EXPERIENCE

Asbestos, Lead Based Paint, and Hazardous Material Management  
Haller Wash Bridge No. 54-0891R&L, San Bernardino County, California (Asbestos and Lead-Based Paint Sampling Assistant)

*Dion conducted asbestos and lead based paint survey on highway bridge. He assisted with planning field operations, measuring bridge dimensions, and collecting samples. Tasks included sample collection, bridge measurements, and documentation.*

Project Management Oversight  
Magnolia Plaza, Fountain Valley, California

*Dion is providing project management of soil, soil vapor, and quarterly groundwater sampling related to a solvent release at a former dry cleaning facility. Tasks include preparation of work plans for approval by the Regional Water Quality Control Board and oversight of field sampling, including lithologic logging, for soil and soil vapor investigations performed within a multi-tenant strip center. Additional tasks include preparation of investigative reports and quarterly groundwater monitoring reports. The site remains an open case and preparation of a work plan to use electrical resistive heating ("ERH") will be prepared in the coming weeks.*

# Dion Monge

Project Scientist

---

## Former Superb Dry Cleaners, Anaheim, California

*Dion performed field oversight, direction, and confirmation soil sampling of a limited access excavation within a former dry cleaner unit. Post excavation field activities included application of a barrier type floor sealant along with post excavation indoor air sampling. Remedial work led to regulatory closure being granted from the local agency.*

## Site Assessment

### I-15/I-215 Interchange Improvements, San Bernardino County, California (Sampling Technician)

*Dion helped conduct site investigations and surveys for potentially hazardous materials. His efforts supported Caltrans' plans to improve and widen the existing freeway lanes, entrance and exit ramps, and vehicle and railroad bridges along a 6-mile stretch of the I-15 and I-215 freeways in the Devore area of San Bernardino County. Dion's efforts included Environmental Evaluation of Recognized Environmental Concerns identified in ISAs*

### Highway 138 Environmental Investigations, San Bernardino County, California (Field Assessment and Reporting)

*Dion helped complete hazardous material site investigations on five bridges along State Highway 138 along a 20-mile segment through portions of Los Angeles and San Bernardino Counties, California. The investigation was conducted in accordance with Caltrans protocols and was compliant with EPA's all appropriate inquiries guidance and ASTM Standard Practice E1527. He performed site reconnaissance, conducted regulatory and agency field reviews, and reviewed environmental databases and historical fire insurance, telephone directories, aerial photographs, topographic maps, and other environmental records for properties within one half mile of the proposed 20-mile segment of Highway 138. Dion compiled an report summarizing findings and identifying recognized environmental conditions.*

## Proposed Friends Christian High School, Yorba

### Linda, California

*Dion prepared preliminary site assessment (PSA) report for future private school site to identify recognized environmental conditions ("RECs") related to past property usage as an oil field with 21 oil wells abandoned prior to 1990. Completion of the PSA led to his management of the project through site closure. Field investigations and reporting by Dion included Phase II investigations, methane survey, oil well leak testing and venting, backfill and compaction (including soils testing), DOGGR Construction Site Review, and excavation and onsite management of more than 5,000 cubic yards of petroleum impacted soils.*

## SR-58 Widening, San Bernardino County, California

*Dion performed Initial Site Assessment (ISA) for Caltran at Kramer Junction for the proposed widening of State Route 58. The ISA was performed in accordance with guidelines promulgated by the American Society for Testing and Materials (ASTM) and included historical research and coordination of permit/file reviews with local building/planning departments and environmental agencies. Dion's role included the field visit, observation documentation, agency reviews, and reporting.*

## Soil Sampling

### Caltrans I-15, Task Order 28, Hesperia, California

*Dion conducted a soil investigation for metals analysis alongside I-15 for disposal recommendations during construction of mortar-lined channels at several locations. He assisted with planning field operations and collected soil samples. Tasks included sample collection, preservation, and documentation.*

\* denotes projects completed with other firms

Joshua is a staff geologist with a master's degree in geological sciences. He has extensive field experience in geophysical exploration techniques and Phase I and II Environmental Assessment field work and report preparation. His field experience includes subsurface gold-copper porphyry deposit mapping using induced polarization and resistivity geophysics, mapping of shallow faults throughout Southern California using refraction seismology equipment, soil logging and collection, soil vapor collection, and surface and groundwater collection with basic flow measurements and parameter stabilization. He is skilled in using ArcGIS 10, Adobe Suite, and the Microsoft Office Suite. Joshua's environmental consulting experience includes performing Phase I Environmental Site Assessments in accordance with the practices identified in the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E 1527-13, and the collection, and interpretation of Phase II Environmental Assessment data. Joshua also has experience in preparing Phase II Environmental Assessment reports based from this compiled data.

## EDUCATION

MS, Geological Sciences, California Polytechnic State University, Pomona, California, 2014

BS, Geological Sciences, California Polytechnic State University, Pomona, California, 2012

## CERTIFICATIONS & TRAINING

8-Hour Supervisor Trainer Course Certification  
Hazardous Waste Standard, OSHA, Redlands, California, 2015

8-Hour Refresher Course Hazardous Waste Standard (29 CFR 1910.120), OSHA, Redlands, California, 2015

First Aid and CPR Certification, American Safety, Redlands, California, 2015

40-Hour Hazardous Waste, OSHA, Signal Hill, California, 2012

## MEMBERSHIPS

Member, Geological Society of America

## PROJECT EXPERIENCE

Health and Safety Management  
Health and Safety Subcontractor Oversight Services  
(Geological Staff)

*Joshua has provided subcontractor oversight for field activities including soil, soil vapor, and groundwater sampling. Other field activities include well destruction and on-site remediation.*

## Technical Writing

Various Technical Writing Projects (Geological Staff)  
*Joshua prepares Health and Safety plans, written permit applications, Phase I and Phase II Environmental Site Assessments reports, Work Plans dealing with soil, soil vapor, and groundwater sampling, and groundwater monitoring reports.*

## Environmental Site Assessments

Phase I Site Assessment, Redlands, California (Phase I and Phase II Environmental Site Assessment, Author)

*Joshua performed an on-site reconnaissance survey, historical records investigation, and formulated the report deliverable. The report provided a thorough review of the property history and defined present environmental concerns for the client.*

## Soil Sampling

Dust and Pesticide Monitoring, Soil Sampling, Monterey Park, California (Oversight, Dust and Pesticide Monitoring, Soil Sampling)

*Joshua performed field oversight during contaminated soil removal at a future residential community. Dust and toxaphene were monitored simultaneously to generate a site-specific threshold for dust concentration. Routine dust monitoring was performed once the threshold was determined. Property gridding and soil sampling were performed to determine contamination.*

# Joshua Sargent

Geologic Staff

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## Soil Vapor Intrusion Assessment

Soil Vapor Monitoring Well Installation, Various Locations, California (Field Oversight, Soil Description)

*Joshua performed field oversight during the installation of multiple soil vapor monitoring wells. He assisted with health and safety oversight, described the soil during drilling, activities, assisted with the well installation, and conducted the subsequent soil vapor sampling.*

## Environmental Site Remediation

Soil Vapor Remediation, Orange County, California (Geological Staff)

*Joshua has provided monthly operation and maintenance on a soil vapor extraction system operating at a historical landfill. Components of the operation and maintenance included measurements of the recovered vapor for methane and volatile organic compounds, and collecting flow measurements from the extraction wells. Joshua prepared month operation and maintenance reports.*

## Subcontractor Oversight Services and Confirmation Soil Sampling (Geological Staff)

*Joshua has provided subcontractor oversight for remedial excavation of pesticide- and petroleum-impacted soil, and later conducted confirmation sampling to ensure all impacted material had been removed from the Site.*

# Joshua Sargent

Geologic Staff

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## PUBLICATIONS

Sources of Fluids in Shallow Groundwater Near Natural Gas Extraction – Weld, Adams, and Boulder Counties, Colorado. *Geological Society of America Poster Presentation, Poster # 344-6, Session # 344, Geological Society of America 125th Annual Meeting, Denver, Colorado, 2013.*

Sources of Fluids and Salinity in Shallow Groundwater Near Natural Gas Extraction: Weld, Adams, and Boulder Counties, Colorado. *Geological Sciences Department for California Polytechnic State University Pomona, 2014.*

Sources of Biogenic Methane in Shallow Aquifers, Denver Julesburg Basin, Colorado. *Applied Geochemistry, 2015.*

Kyle has more than 35 years of professional experience—25 of those years with Stantec—providing geotechnical and environmental consulting. During the course of his experience, he has been involved with a wide variety of geological and engineering projects. He has been in direct charge of quality control/quality assurance (QA/QC) work for Stantec and previous firms for geological, engineering geological, and environmental services primarily in California. Additionally, Kyle has been a primary contact for Stantec with many different clients (including multi-party actions) and regulatory bodies involving contracting, workplan approvals, site assessments and closures, permitting, remedial action, and litigation support. With regard to litigation services, Kyle has extensive experience providing expert witness testimony, second-party review, and litigation support and analysis.

Kyle's extensive experience includes assessment and remediation of property-specific and regional issues involving soil and groundwater contaminated with petroleum hydrocarbons, chlorinated solvents, heavy metals, pesticides, and PCBs.

He currently serves as the managing principal geologist in Stantec's Redlands, California office.

## EDUCATION

Engineering Geology/Hydrogeology, California State University, Los Angeles, California, 1984

AS, General Science, Crafton Hills College, Yucaipa, California, 1975

BS, Geological Sciences, California State University, Long Beach, California, 1982

## REGISTRATIONS

Certified Engineering Geologist #1271, State of California

Professional Geologist #4066, State of California

## PROJECT EXPERIENCE

### Bioremediation

Excavation and Treatment of Petroleum-Contaminated Soil

*Kyle designed the excavation and treatment of 45,000 cubic yards of petroleum-contaminated soil. Soil treatment included utilizing vapor extraction, combined with bioremediation.*

### Chemicals & Polymers

Two Former Chemical Plants, Environmental Site Assessments and Remediation, Vernon, California  
*Mr. Emerson was part of the team for conducting Phase I and Phase II Environmental Site Assessments (ESA) and developing remedial action plans for two former chemical plant sites with 80-year industrial histories. Phase I ESAs used historical files, maps, aerial photographs, available documents, and data from public agencies and historical directories for identifying recognized environmental concerns. Extensive Phase II ESA survey activities aided in identifying below-grade structures such as vaults/USTs, as well as assessing the extent of influence and nature of the contamination. These investigations confirmed the presence of heavy metals, petroleum hydrocarbons, volatile organic compounds, polychlorinated biphenyls, radioactive materials, semi-volatile organic compounds, and polycyclic aromatic compounds in the soils for these sites. Specific areas of concern included former settling ponds, a bone yard, maintenance areas, transformer and substations, wastewater treatment facilities, and above-ground storage tank farms. A conceptual mode was developed for use in a health risk assessment and developed risk-based corrective actions to address potential health and environmental concerns. He assisted with the development and implementation of a remedial action plan, combined administrative controls, engineering controls, and active remediation; this resulted in the cost-effective return of one site to active use, and is reducing health risks to occupants and the public at the second site.*

# Kyle D. Emerson PG, CEG

Managing Principal Geologist

---

## CONFIDENTIAL: Aerospace Adhesives and Coatings Plant, Glendale, California

*Mr. Emerson was part of the team that conducted feasibility studies to evaluate remedial alternatives for remediation of chlorinated VOCs, 1,4 dioxane, and hexavalent chromium (CrVI) in soil, soil vapor, and groundwater. Feasibility studies included groundwater pump testing, benchscale column testing to evaluate in situ alternatives for reducing CrVI to the less mobile CrIII valence state, soil vapor extraction, capping, and excavation. Field pilot studies were performed to evaluate the efficiency of various CrVI reductants including the use of ferrous sulfate, calcium polysulfide, emulsified oil, and fructose. Extensive multi-depth soil vapor testing was conducted to evaluate the distribution of VOCs in the subsurface and to support vapor intrusion risk assessment. Feasibility studies were completed in 2008. Remedial actions are expected to be completed in 2011.*

### Condition Assessments

#### Assessment and Mitigation of Manufacturing Facility

*Kyle managed the assessment and mitigation of an ammunition manufacturing facility covering 1,100 acres in a complex geologic environment. The contaminants involved red and white phosphorous, TNT, chlorinated solvents, solid wastes, and live ordinance.*

#### Soil Contamination Assessment Supervision and Management

*Kyle managed and supervised soil contamination assessment and in-situ remediation of heavy metals involving chromium, cadmium, nickel and zinc by chemical fixation to depths in excess of 40 feet below ground surface beneath existing structures within several manufacturing facilities.*

#### Litigation Support and Expert Testimony

*Kyle provided litigation support and expert testimony on more than 20 separate projects involving service stations, chlorinated solvent cases, heavy metal, and semi-volatile releases.*

### Corporate / Office

#### CT Realty Environmental Remediation of Former Dry Cleaners, El Centro, California

*Mr. Emerson was responsible for assessments and remediation at this former dry cleaners which released the dry cleaning chemical tetrachloroethene (PCE) to the ground and underlying groundwater. The work included initial site assessment, agency interaction and negotiations with the California Regional Water Quality Control Board (CRWQCB), and Colorado Basin Region human health risk assessment (HHRA), design and implementation of remedial investigations, feasibility studies, remedial action plans, and implementation of remediation in mitigating chlorinated solvent contamination in vadose and saturated zones at concentrations indicative of DNAPL. The results of the completed remediation, as well as continued confirmation sampling and monitoring, allowed the CRWQCB to issue site closure in 2008. The site has since been redeveloped into a new commercial development.*

### Environmental Assessments

#### Siting Studies

*Kyle performed initial siting studies for potential Class I, II, and III landfills. The project included detailed geologic mapping, hydrogeological studies, and permeability studies of caps and liners.*

### Environmental Site Remediation

#### Assessment and Remedial Design, California (Project Supervisor)

*Kyle supervised the assessment and remedial design of a system to eliminate salt brine contamination in shallow perched water horizons in the Yucaipa, San Bernardino, and Riverside areas of southern California.*

#### Design and Installation of Recovery Systems\*

*Kyle designed and installed numerous free-product recovery systems that successfully recovered product. One of the sites contained product up to 11-feet thick covering more than three city blocks. The dissolved phase had affected a multi-aquifer system and a public drinking water system.*

### Geophysical Characterizations\*

*Kyle performed and supervised numerous geophysical characterizations to determine the extent of old landfills. He provided classification studies, landfill gas monitoring, removal verification during grading, methane collection and mitigation plans, permitting, and closure plans.*

\* denotes projects completed with other firms

# Kyle D. Emerson PG, CEG

Managing Principal Geologist

---

## Domestic Landfill Development\*

*Kyle designed and supervised the dynamic consolidation of a domestic landfill for development. He used this process to minimize expected settlement to overlying structures. Kyle designed commercial developments on closed landfills that involved complex methane collection and monitoring systems and building settlement controls.*

## Clay Borrow Site Studies

*Kyle performed more than 10 separate clay borrow site studies for determining sources of material to cap landfills; ranged from a 20-acre dry lakebed to a 450-acre parcel in complex folded marine sediments.*

## Assessment, Clean Up, and Regulatory Support Management, Santa, Monica (Project Manager)

*Kyle managed the assessment, clean up, and complex regulatory support of a PRP site in an MTBE case (Charnock subbasin). His work involved more than 20 environmental professionals working full time for two years to complete the assessment and clean up mandated by the regulatory agencies.*

## Hazardous Waste

### San Gabriel Valley Superfund Site, Remediation & Closure of Multiple Source Areas, Industry, California

*Mr. Emerson performed feasibility studies to evaluate appropriate and relevant remedial alternatives to mitigate constituents of concern in five AOCs contaminated with chlorinated hydrocarbons, heavy metals, petroleum fuel, and cutting oils. Ultimately, a combination of remedial alternatives was implemented that included large-diameter auger excavation to 45 feet to minimize impacts on facility operations, vapor extraction, vapor intrusion risk assessment, deed restriction, and monitored natural attenuation. At the completion of remedial actions, confirmation soil, soil vapor, and groundwater sampling were conducted and followed with risk assessment to demonstrate that remedial objectives had been achieved. No further action was recently granted by the US EPA and Los Angeles Regional Water Quality Control Board.*

## Mixed-Use

### Port of San Diego Rohr Facility, Chula Vista, California

*Mr. Emerson assisted in a detailed subsurface assessment of the Rohr facility. The intent of the assessment was to evaluate the 40-acre former aircraft part manufacturing facility for acquisition by the Port of San Diego for redevelopment into a business park and entertainment complex. The assessment identified the presence of soil, soil vapor, and groundwater impacts by petroleum hydrocarbons, VOCs, heavy metals, PCBs, and semi-volatile organic compounds. He utilized many sampling techniques to assess the limits and concentrations of contaminants in the subsurface. Ultimately, the team was able to develop a cost estimate for potential remedial action cost associated to corrective action to allow redevelopment.*

### Master Planned Commercial/Residential Redevelopment Project, Whittier, California (Project Manager)

*Kyle oversaw the assessment of 26 contiguous properties that are part of a 21-acre master planned commercial/residential redevelopment project. The properties included industrial facilities, platting lines, fuel USTs, and metal processing plants, among others. The estimated cleanup costs are approximately \$2 million.*

## Multi-Unit / Family Residential

### Residential Development Assessment, Ventura, California (Project Director)

*Kyle directed an assessment of a 40-acre former agricultural property proposed for residential development. Pesticides were identified above hazardous waste levels and preliminary remediation goals established by the U.S. Environmental Protection Agency. Through corrective grading methods and onsite placement of the pesticide impacted soils, all material were re-used on site without offsite disposal. The over all cost savings for the client was more than \$1 million. Total cost was less than \$250,000 for all necessary activities.*

## Oil & Gas

### Oil Field Site Assessments\*

*Kyle performed site assessments at oil field leases involving refineries, bulk storage areas, piping systems and wellhead, and drilling mud pit contamination.*

\* denotes projects completed with other firms



# Kyle D. Emerson PG, CEG

Managing Principal Geologist

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## Environmental Protection Agency Superfund Action, Culver City, California (Project Manager)

*Kyle served as the project manager representing a major oil company in the assessment, remedial action, and litigation support in a multi-party contamination case affecting a City water supply. The assessment involved more than 250 continuous core borings up to 100 feet, as well as extensive remedial actions. The total cost for all related activities was \$22 million. The case is settled and the closure of the site is pending.*

## Project Management

### Liability and Property Management Consulting Services

*Kyle is providing liability and property management consulting services to more than 10 medium to large property development firms in the US. His work involves property transaction assessments, contract review, acquisition guideline development, liability management evaluation, insurance acquisition, and strategic planning.*

## Residential Development

### Environmental Development Management and Review (Project Manager)

*Kyle manages and reviews environmental development issues for a large residential developer specializing in development of contaminated industrial properties by providing innovative solutions in developing contaminated properties for residential use through risk assessment, engineering, and administrative and property development controls.*

## Site Management and Remediation

### Design and Implementation of Biodegradation Programs\*, California

*Kyle designed and implemented one of the first in-situ biodegradation programs in California; it involved 50,000 cubic yards of diesel-contaminated soils, and groundwater to depths of 70 feet below ground surface.*

## Soil and Groundwater Remediation Systems

### Soil and Groundwater Contamination Assessments and Mitigation\*, California (Project Manager)

*Kyle managed numerous chlorinated solvent soil and groundwater contamination assessments and mitigation programs in southern California. The projects involved releases that impacted soil and groundwater to depth of groundwater more than 700 feet in multi-aquifer systems. One case involved with plume dimensions more than 1 mile from the source affecting residential properties.*

### Soil and Groundwater Assessment and Remediation Programs\*

*Implemented hundreds of soil and groundwater assessment and remediation programs at various service station facilities in Southern and Northern California, and Nevada. Work involved assessment, remedial design, installation, maintenance and monitoring. Closure has been received on a majority of these sites.*

### Assessment and Remediation Management\*

*Kyle managed the assessment and remediation of soil and groundwater manufacturing at dry cleaning facilities contaminated with chlorinated solvents.*

## Warehouse / Light Industrial

### Glendale Redevelopment Project, Glendale, California (Project Manager)

*Kyle managed the assessment and remedial actions during the redevelopment of an industrial property. The project involved the demolition of a historic manufacturing facility and a commercial dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. Remedial actions involved excavation by pattern drilling and off site disposal along with removal of former USTs. The total cost of remediation and assessment was \$450,000.00.*

\* denotes projects completed with other firms

## Kyle D. Emerson PG, CEG

Managing Principal Geologist

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### Compton Redevelopment Project, Compton, California (Project Manager)

*Kyle is serving as project manager for the assessment and remedial actions for a large redevelopment project. The project involves the redevelopment of a historic manufacturing facility and a former dry cleaner. Each of these facilities were associated with releases of solvents and petroleum hydrocarbons. The industrial facility was also associated with significant volumes of buried waste that required removal and disposal. These wastes also included the chemical referenced above, as well as PCBs and heavy metals. Remediation has included excavation, vapor extraction, and chemical fixation. The total cost of this project has been \$2.8 million to date.*

Kyle D. Emerson PG, CEG

Managing Principal Geologist

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#### PUBLICATIONS

In-Situ Bioremediation of an Underground Diesel Fuel Spill: A Case Study. *Environmental Management*, 1989.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT**

Appendix C User Provided Records  
July 20, 2020

Appendix C USER PROVIDED RECORDS



**From:** [Alexander Sundquist](#)  
**To:** [Monge, Dion](#)  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites  
**Date:** Wednesday, July 08, 2020 12:17:05 PM

---

That sounds good, we can always supplement later. I've reached out to Andrea again re: Claudia, but not worth waiting for that.

Re: the questionnaire: I have no information to provide in response to the user questionnaire. You know more than I do about the site at this point!

ALEXANDER SUNDQUIST | VP, Land Development  
8minute Solar Energy  
(d) 424.234.6947  
(e) [asundquist@8minute.com](mailto:asundquist@8minute.com)

---

**From:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Sent:** Wednesday, July 8, 2020 12:09  
**To:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

I was going to email you on this. I have not heard from either of them. So my plan is to go ahead and finish off the limited amount I have remaining on the report and leave that section highlighted for now so we can get the report through Stantec senior review and the 8me review. Hopefully we will hear back from them by that time and can add it in. Otherwise we can finalize it with language indicating that an addendum will be issued if the conclusions change based on information from Paul or Claudia. Will that work?

Also, can you send back the completed user questionnaire I sent a few weeks ago? If you don't know anything about the property, a simple email will do indicating that you have no information to provide in response to the user questionnaire. I have attached user questionnaire again if you need it.

**Dion Monge**

Senior Scientist

Mobile: 909 556-6516

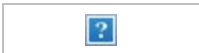
Fax: 909 335-6120

[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)

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---

**From:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Sent:** Wednesday, July 08, 2020 11:26 AM  
**To:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

Any luck on this front? I haven't head back from Andrea or Paul.

ALEXANDER SUNDQUIST | VP, Land Development  
8minute Solar Energy  
(d) 424.234.6947  
(e) [asundquist@8minute.com](mailto:asundquist@8minute.com)

---

**From:** Alexander Sundquist  
**Sent:** Tuesday, June 30, 2020 09:52  
**To:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

Btw if we needed to, could we wrap up a draft of the report without this missing info? Andrea has asked us to submit our application by mid March if possible, and our EA consultant needs time to fold reports in.

ALEXANDER SUNDQUIST | VP, Land Development  
8minute Solar Energy  
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(e) [asundquist@8minute.com](mailto:asundquist@8minute.com)

---

**From:** Alexander Sundquist  
**Sent:** Tuesday, June 30, 2020 09:46  
**To:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

We've reached out to Paul but haven't received a response. Definitely feel free to try Paul as well. I'll ping Andrea too.

ALEXANDER SUNDQUIST | VP, Land Development  
8minute Solar Energy  
(d) 424.234.6947  
(e) [asundquist@8minute.com](mailto:asundquist@8minute.com)

---

**From:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Sent:** Tuesday, June 30, 2020 09:01  
**To:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

Hi Alex,  
I tried the number and it says its "no longer in service or has been disconnected". Should I just reach out to Paul Schiff as a backup?

Dion Monge  
Senior Scientist  
  
Mobile: 909 556-6516  
Fax: 909 335-6120  
[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)  
  
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---

**From:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Sent:** Friday, June 26, 2020 10:24 AM  
**To:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

Here's her number: 661-527-1479

ALEXANDER SUNDQUIST | VP, Land Development  
8minute Solar Energy  
(d) 424.234.6947  
(e) [asundquist@8minute.com](mailto:asundquist@8minute.com)

---

**From:** Alexander Sundquist  
**Sent:** Wednesday, June 24, 2020 14:48  
**To:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

I'll see if I can get Claudia's number for you. Is there a backup plan if we can't get a hold of her?

ALEXANDER SUNDQUIST | VP, Land Development  
8minute Solar Energy  
(d) 424.234.6947  
(e) [asundquist@8minute.com](mailto:asundquist@8minute.com)

---

**From:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Sent:** Wednesday, June 24, 2020 12:12  
**To:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

Thanks for the description. I will add it to the report.

I have not heard from Claudia yet so I just sent her a follow up email checking in.

Dion Monge  
Senior Scientist

Mobile: 909 556-6516  
Fax: 909 335-6120  
[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)

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**From:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Sent:** Wednesday, June 24, 2020 12:09 PM  
**To:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

Hi Dion any luck with Claudia?

Btw, we yet don't have a specific project description for the gen-tie other than what will be in the EA (currently being drafted). We're working on some high-level language, plus more detailed options. Here's an example (draft) of the former, in case you need it for the report:

Power generated by the Aratina Solar Farm would be delivered from the Aratina project site, located entirely on private land, via an up to 230 kV electrical transmission line originating from an on-site substation and terminating at the existing SCE Kramer Substation. The proposed line would be located entirely within an existing Edwards Air Force Base utility corridor (Corridor 5), and would utilize single- or double-circuit monopole and/or H-frame structures, typically spaced 500 to 700 feet apart.

ALEXANDER SUNDQUIST | VP, Land Development  
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(d) 424.234.6947  
(e) [asundquist@8minute.com](mailto:asundquist@8minute.com)

---

**From:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Sent:** Monday, June 15, 2020 15:15  
**To:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

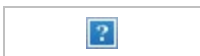
Yes! I remember Claudia's name now that you mention it. Ill reach out to her on the ERPs

thanks

Dion Monge  
Senior Scientist

Mobile: 909 556-6516  
Fax: 909 335-6120  
[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)

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**From:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Sent:** Monday, June 15, 2020 3:10 PM  
**To:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

Ah, my team was working with Paul on the UXO issues off-base. Back in April, Paul said that Claudia Basura was the new manager as it sounded like he was in a new role. Perhaps you can try Claudia, and if you don't receive a response I can ping Andrea and Dave about who else to try.

Claudia's email is as follows:

[claudia.basura.1@us.af.mil](mailto:claudia.basura.1@us.af.mil)

ALEXANDER SUNDQUIST | VP, Land Development  
8minute Solar Energy  
(d) 424.234.6947  
(e) [asundquist@8minute.com](mailto:asundquist@8minute.com)

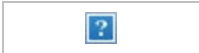
---

**From:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Sent:** Monday, June 15, 2020 14:49  
**To:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

His name was  
Paul Schiff  
Edwards Remedial Project Manager  
PM - OU1/8 & MMRP

**Dion Monge**  
Senior Scientist  
  
Mobile: 909 556-6516  
Fax: 909 335-6120  
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**From:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Sent:** Monday, June 15, 2020 2:21 PM  
**To:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Subject:** RE: EAFB question regarding environmental restoration/cleanup sites

Will do, can you let me know who your previous contact was, and/or their department? That will

likely help to get an answer.

ALEXANDER SUNDQUIST | VP, Land Development  
8minute Solar Energy  
(d) 424.234.6947  
(e) [asundquist@8minute.com](mailto:asundquist@8minute.com)

---

**From:** Monge, Dion <[Dion.Monge@stantec.com](mailto:Dion.Monge@stantec.com)>  
**Sent:** Monday, June 15, 2020 14:10  
**To:** Alexander Sundquist <[asundquist@8minute.com](mailto:asundquist@8minute.com)>  
**Subject:** EAFB question regarding environmental restoration/cleanup sites

Alex,  
Can you pass along this question to EAFB?

Are there any known Environmental Restoration Program (ERP) sites, or other environmental cleanup sites, along or within 250 feet of the north fence line of the base from the Boron Gate to Kramer Junction? Based on information we have gathered to date, we are aware of ERP Sites 437, 438, and 469 near Kramer Junction but wanted to check in to see if there are any others.

Dion Monge

Senior Scientist

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**PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT**

Appendix D Environmental Agency Database Search Report  
July 20, 2020

Appendix D ENVIRONMENTAL AGENCY DATABASE SEARCH  
REPORT



**64NB 8me, LLC, Aratina Gen-tie**  
64NB 8me, LLC, Aratina Gen-tie  
Boron, CA 93524

Inquiry Number: 6089723.2s  
June 12, 2020

## EDR Area / Corridor Report



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

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Map Findings .....	36
Orphan Summary .....	OR-1
Government Records Searched/Data Currency Tracking .....	GR-1

***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), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### SUBJECT PROPERTY INFORMATION

#### ADDRESS

64NB 8ME, LLC, ARATINA GEN-TIE  
BORON, CA 93516

### TARGET PROPERTY SEARCH RESULTS

The Target Property was identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor Report where detailed data on individual sites can be reviewed.

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

### STANDARD ENVIRONMENTAL RECORDS

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

NPL: National Priority List

A review of the NPL list, as provided by EDR, and dated 04/27/2020 has revealed that there is 1 NPL site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b><i>EDWARDS AIR FORCE BA</i></b> Cerclis ID: 902725 EPA Id: CA1570024504	<b><i>5 EAST POPSON AVE BL</i></b>	<b><i>Region / 7,6,13,14,9,10,11,12</i></b>	<b><i>35</i></b>

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

SEMS: Superfund Enterprise Management System

A review of the SEMS list, as provided by EDR, and dated 04/27/2020 has revealed that there is 1 SEMS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b><i>EDWARDS AIR FORCE BA</i></b> Site ID: 0902725 EPA Id: CA1570024504	<b><i>5 EAST POPSON AVE BL</i></b>	<b><i>Region / 7,6,13,14,9,10,11,12</i></b>	<b><i>35</i></b>

## EXECUTIVE SUMMARY

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

CORRACTS: Corrective Action Report

A review of the CORRACTS list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 CORRACTS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> EPA ID:: CA1570024504	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

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

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

A review of the RCRA-TSDF list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 RCRA-TSDF site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> EPA ID:: CA1570024504	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

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

RCRA-LQG: RCRA - Large Quantity Generators

A review of the RCRA-LQG list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 RCRA-LQG site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> EPA ID:: CA1570024504	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

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

US ENG CONTROLS: Engineering Controls Sites List

A review of the US ENG CONTROLS list, as provided by EDR, and dated 02/13/2020 has revealed that there is 1 US ENG CONTROLS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> EPA ID:: CA1570024504 EPA ID:: CA1570024504	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

## EXECUTIVE SUMMARY

### US INST CONTROLS: Institutional Controls Sites List

A review of the US INST CONTROLS list, as provided by EDR, and dated 02/13/2020 has revealed that there is 1 US INST CONTROLS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> EPA ID:: CA1570024504	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

### **State- and tribal - equivalent CERCLIS**

#### ENVIROSTOR: EnviroStor Database

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/27/2020 has revealed that there is 1 ENVIROSTOR site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> Facility Id: 15970001 Status: Active	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

### ADDITIONAL ENVIRONMENTAL RECORDS

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

##### HIST Cal-Sites: Historical Calsites Database

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

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b>	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

##### PFAS: PFAS Contamination Site Location Listing

A review of the PFAS list, as provided by EDR, and dated 03/09/2020 has revealed that there is 1 PFAS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b>	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

#### **Local Land Records**

##### DEED: Deed Restriction Listing

A review of the DEED list, as provided by EDR, and dated 03/02/2020 has revealed that there is 1 DEED



## EXECUTIVE SUMMARY

site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> Status: ACTIVE Envirostor ID: 15970001	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

### **Other Ascertainable Records**

DOD: Department of Defense Sites

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

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
EDWARDS AIR FORCE BA		Region / 6,7,2,9,13,14,10,12,11	35

ROD: Records Of Decision

A review of the ROD list, as provided by EDR, and dated 04/27/2020 has revealed that there is 1 ROD site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> EPA ID:: CA1570024504	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

RAATS: RCRA Administrative Action Tracking System

A review of the RAATS list, as provided by EDR, and dated 04/17/1995 has revealed that there is 1 RAATS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> Status: 20 Facility ID: CA1570024504	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

PRP: Potentially Responsible Parties

A review of the PRP list, as provided by EDR, and dated 04/27/2020 has revealed that there is 1 PRP site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b>	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

## EXECUTIVE SUMMARY

### ICIS: Integrated Compliance Information System

A review of the ICIS list, as provided by EDR, and dated 11/18/2016 has revealed that there is 1 ICIS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> FRS ID:: 110000908466	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

### US AIRS: Aerometric Information Retrieval System Facility Subsystem

A review of the US AIRS list, as provided by EDR, has revealed that there is 1 US AIRS site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b> Database: US AIRS (AFS), Date of Government Version: 10/12/2016 EPA plant ID:: 110000908466	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

### DOCKET HWC: Hazardous Waste Compliance Docket Listing

A review of the DOCKET HWC list, as provided by EDR, and dated 05/31/2018 has revealed that there is 1 DOCKET HWC site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b>	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

### ICE: ICE

A review of the ICE list, as provided by EDR, and dated 02/18/2020 has revealed that there is 1 ICE site within the requested target property.

<u>Site</u>	<u>Address</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>EDWARDS AIR FORCE BA</b>	<b>5 EAST POPSON AVE BL</b>	<b>Region / 7,6,13,14,9,10,11,12</b>	<b>35</b>

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Page Numbers and Map Identifications refer to the EDR Area/Corridor 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.

## EXECUTIVE SUMMARY

### STANDARD ENVIRONMENTAL RECORDS

#### ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: EnviroStor Database

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/27/2020 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
KRAMER POTASH PLANT Facility Id: 80000882 Status: Inactive - Needs Evaluation		NE 1/2 - 1 (0.504 mi.)	A7 / 7	400

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

SWF/LF: Solid Waste Information System

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

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>CALTRANS BEECHERS MA</b> Database: SWF/LF (SWIS), Date of Government Version: 02/10/2020 Facility ID: 36-AA-0468 Operational Status: Active Regulation Status: Notification	<b>40400 JCT US 395</b>	<b>NNE 1/4 - 1/2 (0.356 mi.)</b>	<b>3 / 7</b>	<b>361</b>
<b>KERN COUNTY PUBLIC W</b> Database: SWF/LF (SWIS), Date of Government Version: 02/10/2020 Facility ID: 15-AA-0045 Operational Status: Active Regulation Status: Permitted	<b>11400 BORON AVENUE</b>	<b>N 1/4 - 1/2 (0.463 mi.)</b>	<b>5 / 3</b>	<b>394</b>

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

LUST: Geotracker's Leaking Underground Fuel Tank Report

A review of the LUST list, as provided by EDR, has revealed that there is 1 LUST site within approximately 0.5 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>FEDERAL PRISON CAMP</b> Database: LUST REG 6V, Date of Government Version: 06/07/2005 Status: Leak being confirmed	<b>HWY 395</b>	<b>NNE 1/4 - 1/2 (0.287 mi.)</b>	<b>1 / 7</b>	<b>359</b>

## EXECUTIVE SUMMARY

### ADDITIONAL ENVIRONMENTAL RECORDS

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

WMUDS/SWAT: Waste Management Unit Database

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 0.5 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>BORON CLASS III LAND</b>	<b>5 MI SO OF BORON</b>	<b>N 1/4 - 1/2 (0.456 mi.)</b>	<b>4 / 3</b>	<b>363</b>

#### **Other Ascertainable Records**

FUDS: Formerly Used Defense Sites

A review of the FUDS list, as provided by EDR, and dated 01/28/2020 has revealed that there is 1 FUDS site within approximately 1 mile of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
KRAMER POTASH PLANT		NE 1/2 - 1 (0.502 mi.)	A6 / 7	400

UXO: Unexploded Ordnance Sites

A review of the UXO list, as provided by EDR, and dated 12/31/2017 has revealed that there are 2 UXO sites within approximately 1 mile of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
OFF BASE ADJACENT AR		NW 1/2 - 1 (0.768 mi.)	B8 / 2	401
OFF BASE ADJACENT AR		NW 1/2 - 1 (0.768 mi.)	B9 / 2	402

Cortese: "Cortese" Hazardous Waste & Substances Sites List

A review of the Cortese list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 Cortese site within approximately 0.5 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>FEDERAL PRISON CAMP</b>	<b>HWY 395</b>	<b>NNE 1/4 - 1/2 (0.287 mi.)</b>	<b>1 / 7</b>	<b>359</b>
Cleanup Status: COMPLETED - CASE CLOSED				

HIST CORTESE: Hazardous Waste & Substance Site List

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 2 HIST CORTESE sites within approximately 0.5 miles of the requested target property.

<u>Site</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID / Focus Map(s)</u>	<u>Page</u>
<b>FEDERAL PRISON CAMP</b>	<b>HWY 395</b>	<b>NNE 1/4 - 1/2 (0.287 mi.)</b>	<b>1 / 7</b>	<b>359</b>

# EXECUTIVE SUMMARY

Reg Id: 6B1500139T  
FOUR CORNERS UNOCAL  
Reg Id: 6B3600205T

HWY 395 & HWY 58

NNE 1/4 - 1/2 (0.298 mi.) 2 / 7

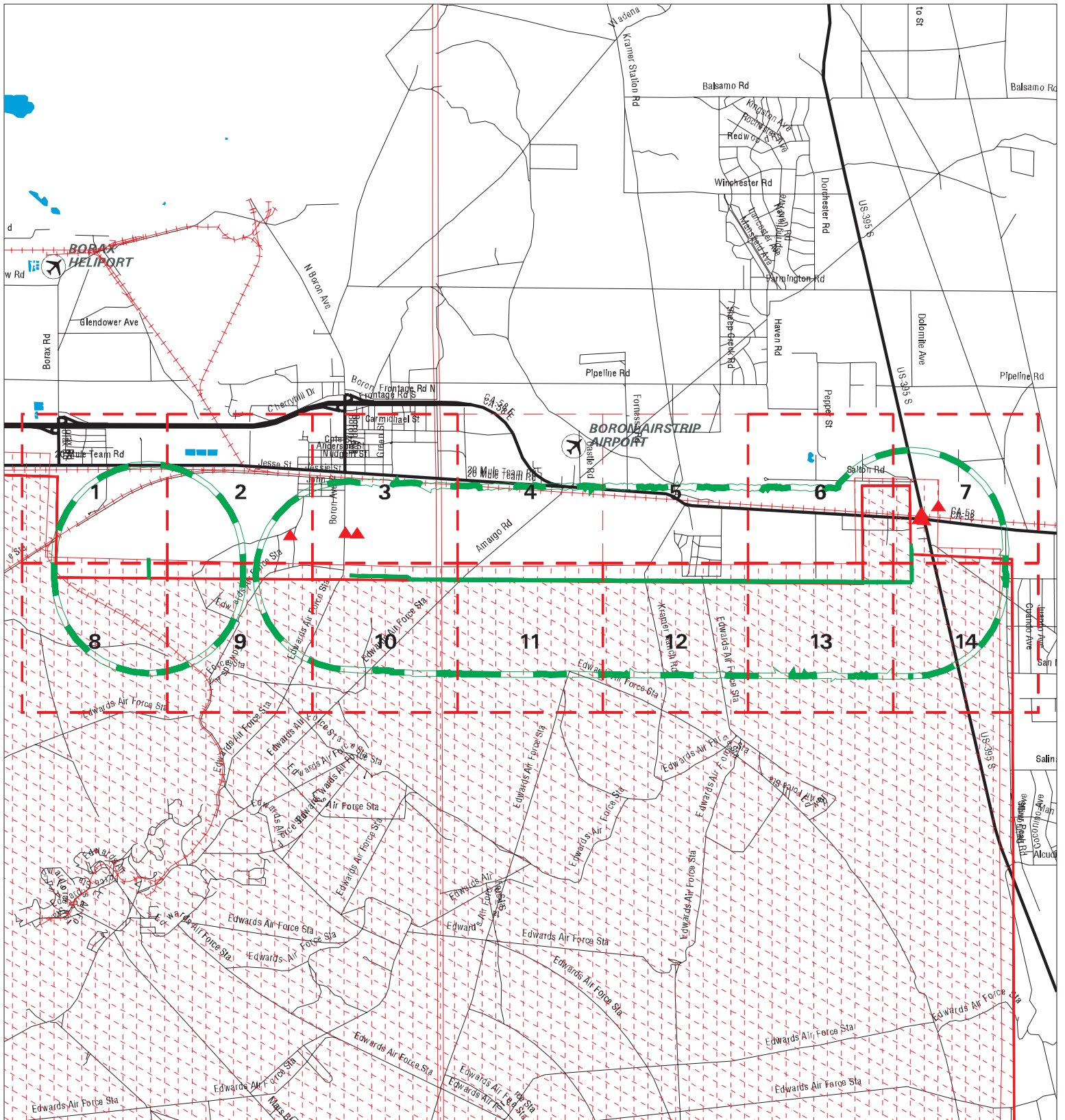
361

MAPPED SITES SUMMARY

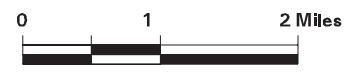
Target Property:  
 64NB 8ME, LLC, ARATINA GEN-TIE  
 BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / Multiple	EDWARDS AIR FORCE BA		DOD	TP
Reg / Multiple	EDWARDS AIR FORCE BA	5 EAST POPSON AVE BL	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG.TP	
1 / 7	FEDERAL PRISON CAMP	HWY 395	LUST, HIST UST, Cortese, HIST CORTESE	1514 0.287 NNE
2 / 7	FOUR CORNERS UNOCAL	HWY 395 & HWY 58	HIST CORTESE	1572 0.298 NNE
3 / 7	CALTRANS BEECHERS MA	40400 JCT US 395	SWF/LF, CERS	1878 0.356 NNE
4 / 3	BORON CLASS III LAND	5 MI SO OF BORON	WMUDS/SWAT, LDS, ENF, WDS, CIWQS, CERS	2408 0.456 North
5 / 3	KERN COUNTY PUBLIC W	11400 BORON AVENUE	SWF/LF, CERS HAZ WASTE, Financial Assura...	2445 0.463 North
A6 / 7	KRAMER POTASH PLANT		FUDS	2648 0.502 NE
A7 / 7	KRAMER POTASH PLANT		ENVIROSTOR	2662 0.504 NE
B8 / 2	OFF BASE ADJACENT AR		UXO	4057 0.768 NW
B9 / 2	OFF BASE ADJACENT AR		UXO	4057 0.768 NW

# Key Map - 6089723.2s



Sites	Focus Map - Sites	Indian Reservations BIA
Target Property	National Priority List Sites	
Search Buffer	Areas of Concern	
Focus Map - No Sites	Dept. Defense Sites	



SITE NAME: 64NB 8me, LLC, Aratina Gen-tie ADDRESS: 64NB 8me, LLC, Aratina Gen-tie CITY/STATE: Boron CA ZIP: 93516	CLIENT: Stantec CONTACT: Dion Monge INQUIRY #: 6089723.2s DATE: 06/12/20 9:42 AM
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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><u>STANDARD ENVIRONMENTAL RECORDS</u></b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000	1	0	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500	1	0	0	0	NR	NR	1
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000	1	0	0	0	0	NR	1
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500	1	0	0	0	NR	NR	1
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250	1	0	0	NR	NR	NR	1
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500	1	0	0	0	NR	NR	1
US INST CONTROLS	0.500	1	0	0	0	NR	NR	1
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent NPL RESPONSE</i></b>								
RESPONSE	1.000		0	0	0	0	NR	0
<b><i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i></b>								
ENVIROSTOR	1.000	1	0	0	0	1	NR	2
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	2	NR	NR	2
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	0	1	NR	NR	1



## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b><u>ADDITIONAL ENVIRONMENTAL RECORDS</u></b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
WMUDS/SWAT	0.500		0	0	1	NR	NR	1
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000	1	0	0	0	0	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500	1	0	0	0	NR	NR	1
<b>Local Lists of Registered Storage Tanks</b>								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500	1	0	0	0	NR	NR	1
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000	1	0	0	0	0	NR	1
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000	1	0	0	0	0	NR	1
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP	1	NR	NR	NR	NR	NR	1
PRP	TP	1	NR	NR	NR	NR	NR	1
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP	1	NR	NR	NR	NR	NR	1
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP	1	NR	NR	NR	NR	NR	1
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	2	NR	2
DOCKET HWC	TP	1	NR	NR	NR	NR	NR	1
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	1	NR	NR	1
CUPA Listings	0.250		0	0	NR	NR	NR	0



## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
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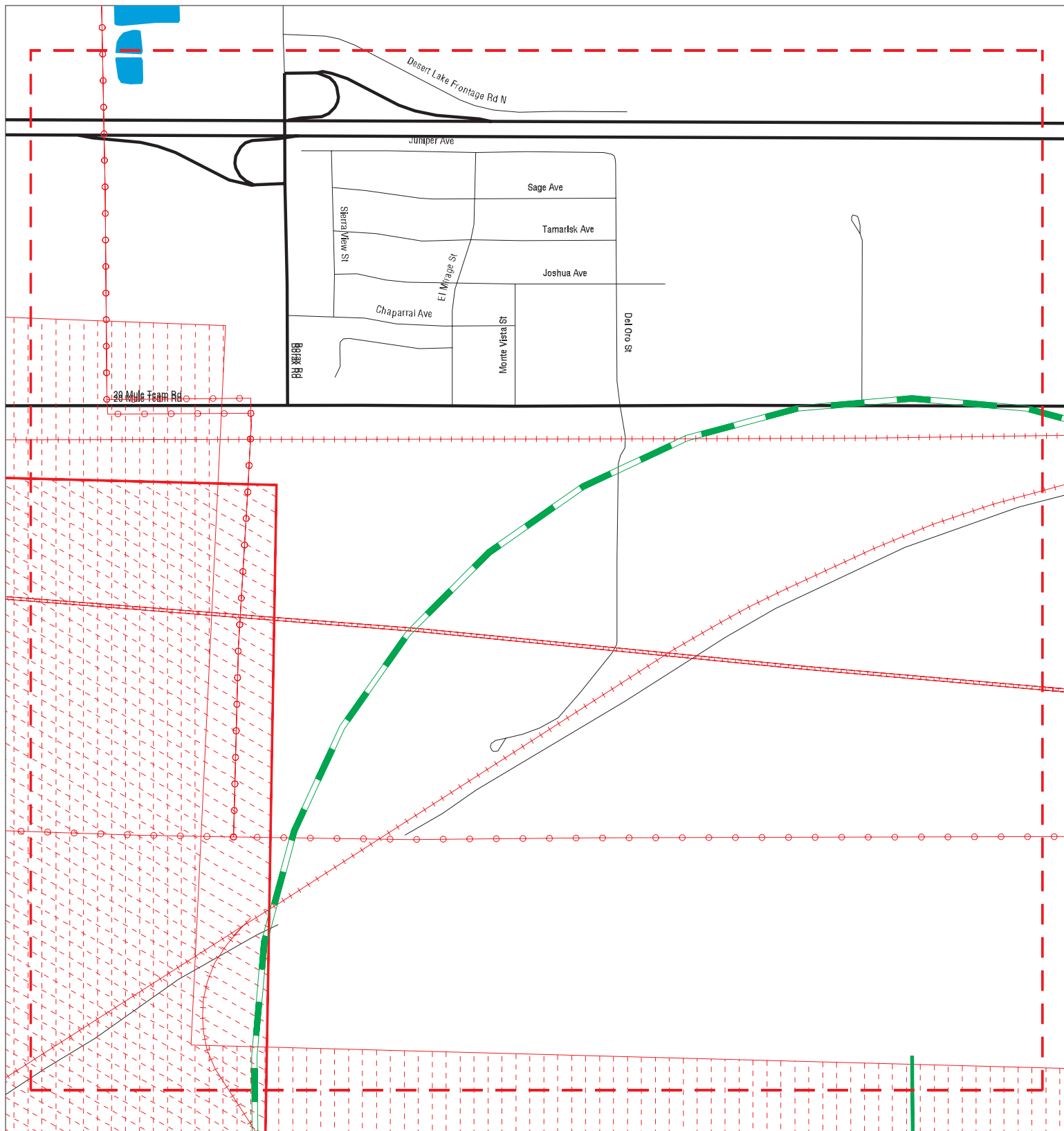
NOTES:












TP = Target Property

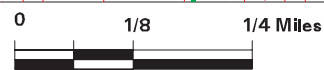
NR = Not Requested at this Search Distance

Sites may be listed in more than one database

# Focus Map - 1 - 6089723.2s



- |  |                      |   |                              |   |                         |
|--|----------------------|---|------------------------------|---|-------------------------|
|   | Sites                |  | Focus Map - Sites            |  | Areas of Concern        |
|  | Target Property      |  | Power Line                   |  | Dept. Defense Sites     |
|  | Search Buffer        |  | Pipe Line                    |  | Indian Reservations BIA |
|  | Focus Map - No Sites |  | National Priority List Sites |   |                         |



**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
**CITY/STATE:** Boron CA  
**ZIP:** 93516

**CLIENT:** Stantec  
**CONTACT:** Dion Monge  
**INQUIRY #:** 6089723.2s  
**DATE:** 06/12/20

MAPPED SITES SUMMARY - FOCUS MAP 1

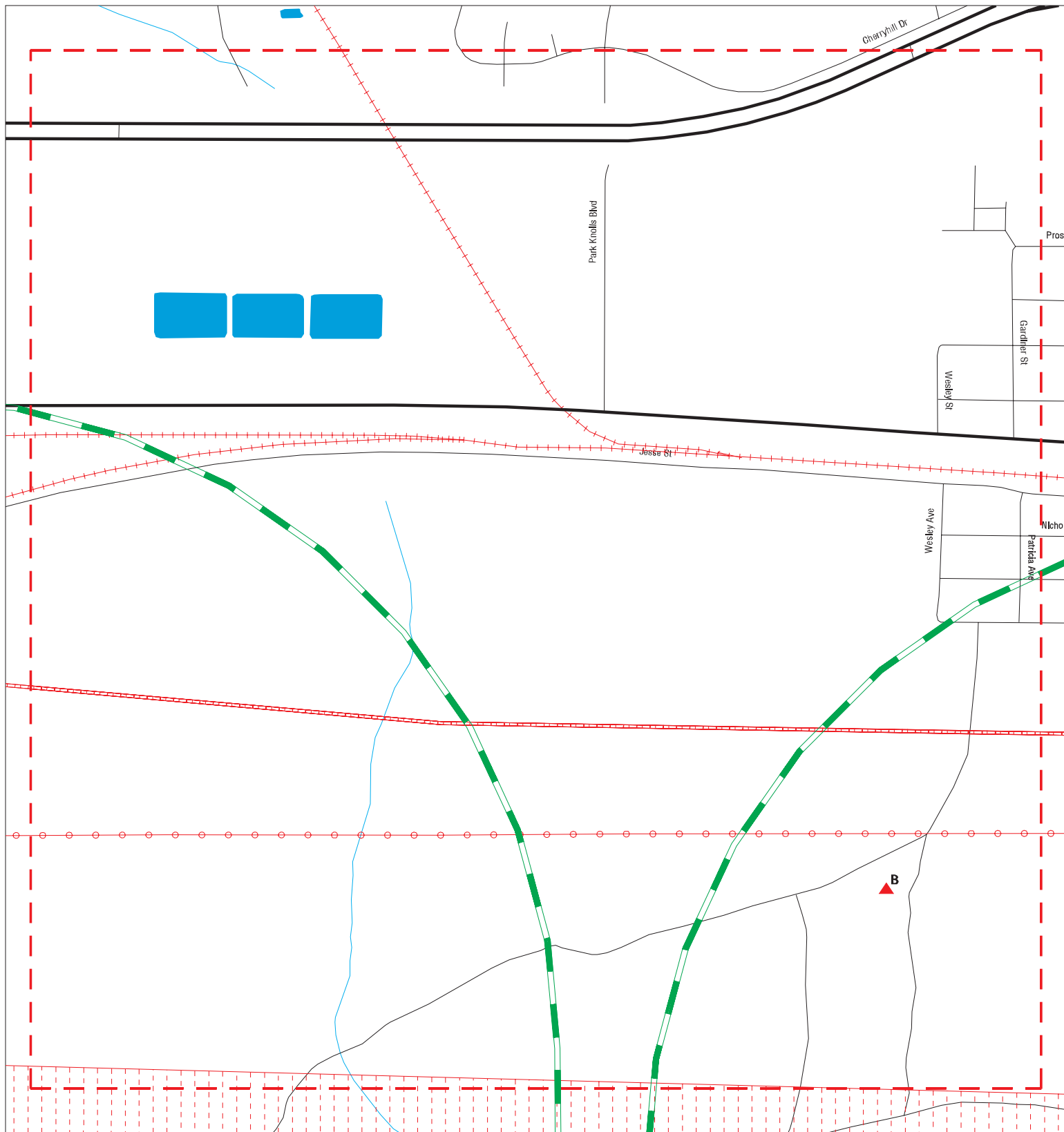
Target Property:  
64NB 8ME, LLC, ARATINA GEN-TIE  
BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
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NO MAPPED SITES FOUND

# Focus Map - 2 - 6089723.2s



- |                      |                              |                         |
|----------------------|------------------------------|-------------------------|
| Sites                | Focus Map - Sites            | Areas of Concern        |
| Target Property      | Power Line                   | Dept. Defense Sites     |
| Search Buffer        | Pipe Line                    | Indian Reservations BIA |
| Focus Map - No Sites | National Priority List Sites |                         |



**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
**CITY/STATE:** Boron CA  
**ZIP:** 93516

**CLIENT:** Stantec  
**CONTACT:** Dion Monge  
**INQUIRY #:** 6089723.2s  
**DATE:** 06/12/20

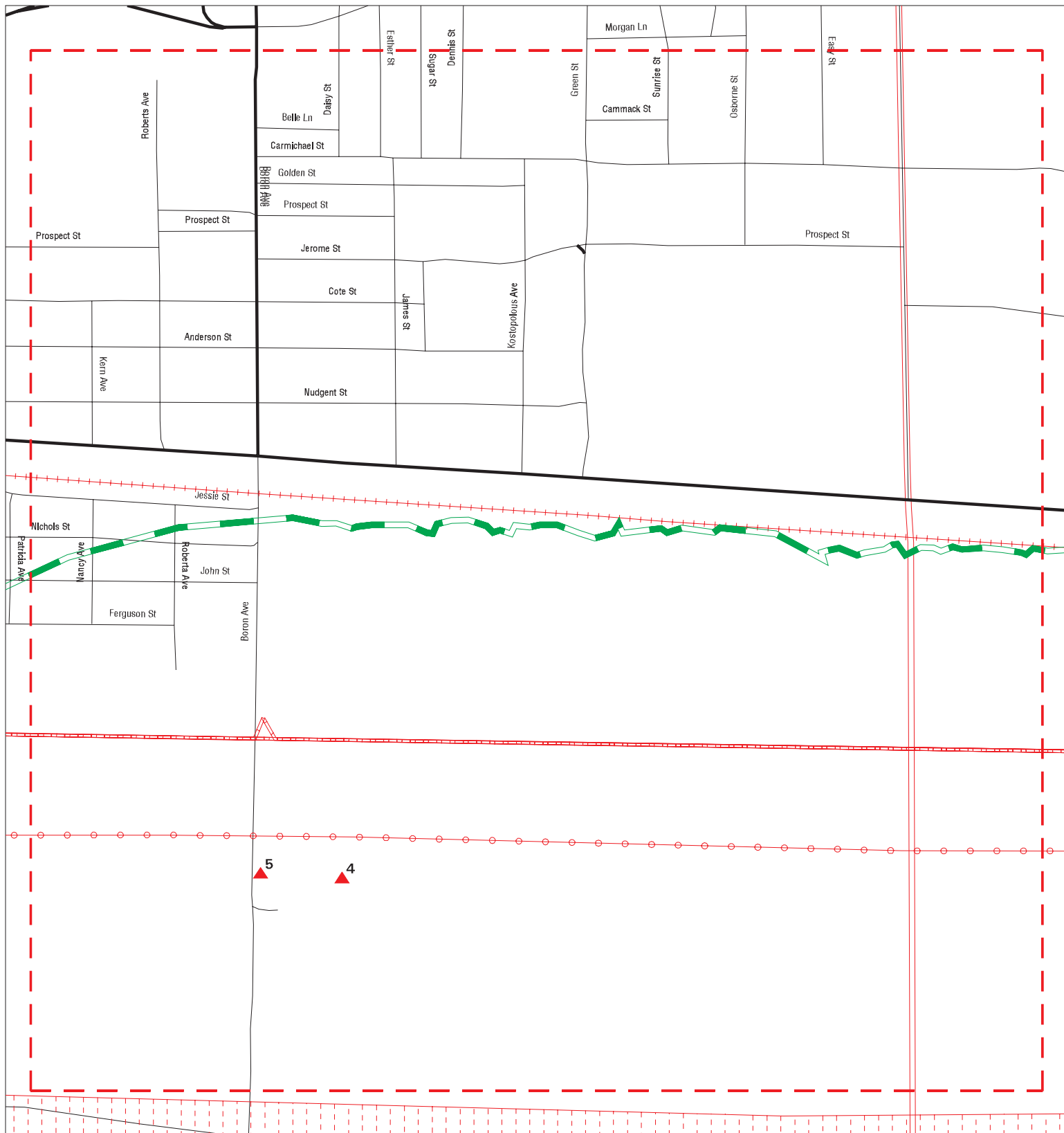
MAPPED SITES SUMMARY - FOCUS MAP 2

Target Property:  
 64NB 8ME, LLC, ARATINA GEN-TIE  
 BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / Multiple	EDWARDS AIR FORCE BA		DOD	TP
B8 / 2	OFF BASE ADJACENT AR		UXO	4057 0.768 NW
B9 / 2	OFF BASE ADJACENT AR		UXO	4057 0.768 NW



# Focus Map - 3 - 6089723.2s



- |  |                      |  |                              |  |                         |
|--|----------------------|--|------------------------------|--|-------------------------|
|  | Sites                |  | Focus Map - Sites            |  | Areas of Concern        |
|  | Target Property      |  | Power Line                   |  | Dept. Defense Sites     |
|  | Search Buffer        |  | Pipe Line                    |  | Indian Reservations BIA |
|  | Focus Map - No Sites |  | National Priority List Sites |  |                         |



**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
**CITY/STATE:** Boron CA  
**CIP:** 93516

**CLIENT:** Stantec  
**CONTACT:** Dion Monge  
**INQUIRY #:** 6089723.2s  
**DATE:** 06/12/20

MAPPED SITES SUMMARY - FOCUS MAP 3

Target Property:  
 64NB 8ME, LLC, ARATINA GEN-TIE  
 BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
4 / 3	BORON CLASS III LAND	5 MI SO OF BORON	WMUDS/SWAT, LDS, ENF, WDS, CIWQS, CERS	2408 0.456 North
5 / 3	KERN COUNTY PUBLIC W	11400 BORON AVENUE	SWF/LF, CERS HAZ WASTE, Financial Assura...	2445 0.463 North



MAPPED SITES SUMMARY - FOCUS MAP 4

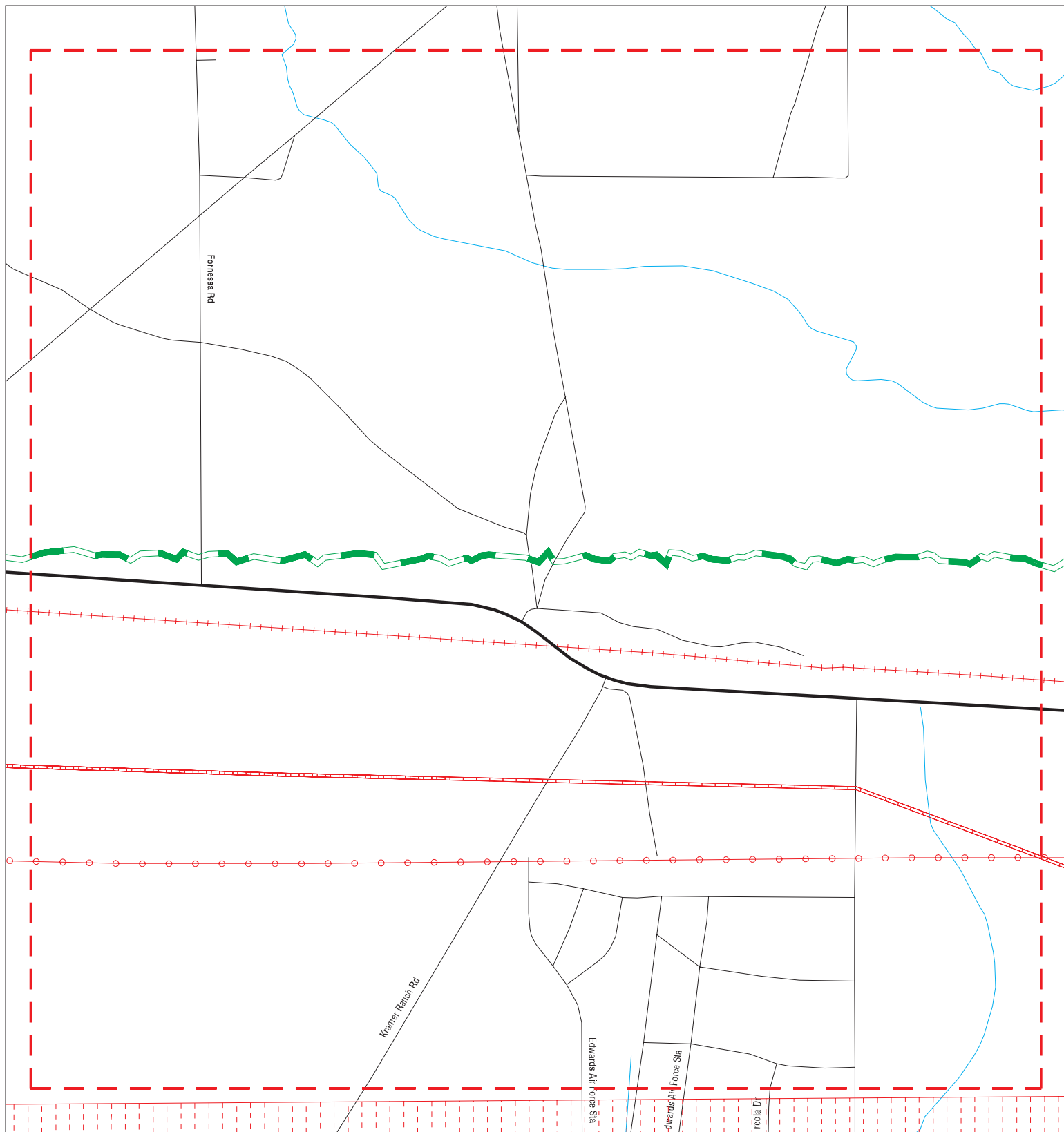
Target Property:  
64NB 8ME, LLC, ARATINA GEN-TIE  
BORON, CA 93524












MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
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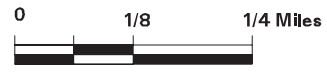
---

NO MAPPED SITES FOUND

# Focus Map - 5 - 6089723.2s



- |  |                      |   |                              |   |                         |
|--|----------------------|---|------------------------------|---|-------------------------|
|   | Sites                |  | Focus Map - Sites            |  | Areas of Concern        |
|  | Target Property      |  | Power Line                   |  | Dept. Defense Sites     |
|  | Search Buffer        |  | Pipe Line                    |  | Indian Reservations BIA |
|  | Focus Map - No Sites |  | National Priority List Sites |   |                         |



SITE NAME: 64NB 8me, LLC, Aratina Gen-tie ADDRESS: 64NB 8me, LLC, Aratina Gen-tie CITY/STATE: Boron CA ZIP: 93516	CLIENT: Stantec CONTACT: Dion Monge INQUIRY #: 6089723.2s DATE: 06/12/20
--	---

MAPPED SITES SUMMARY - FOCUS MAP 5

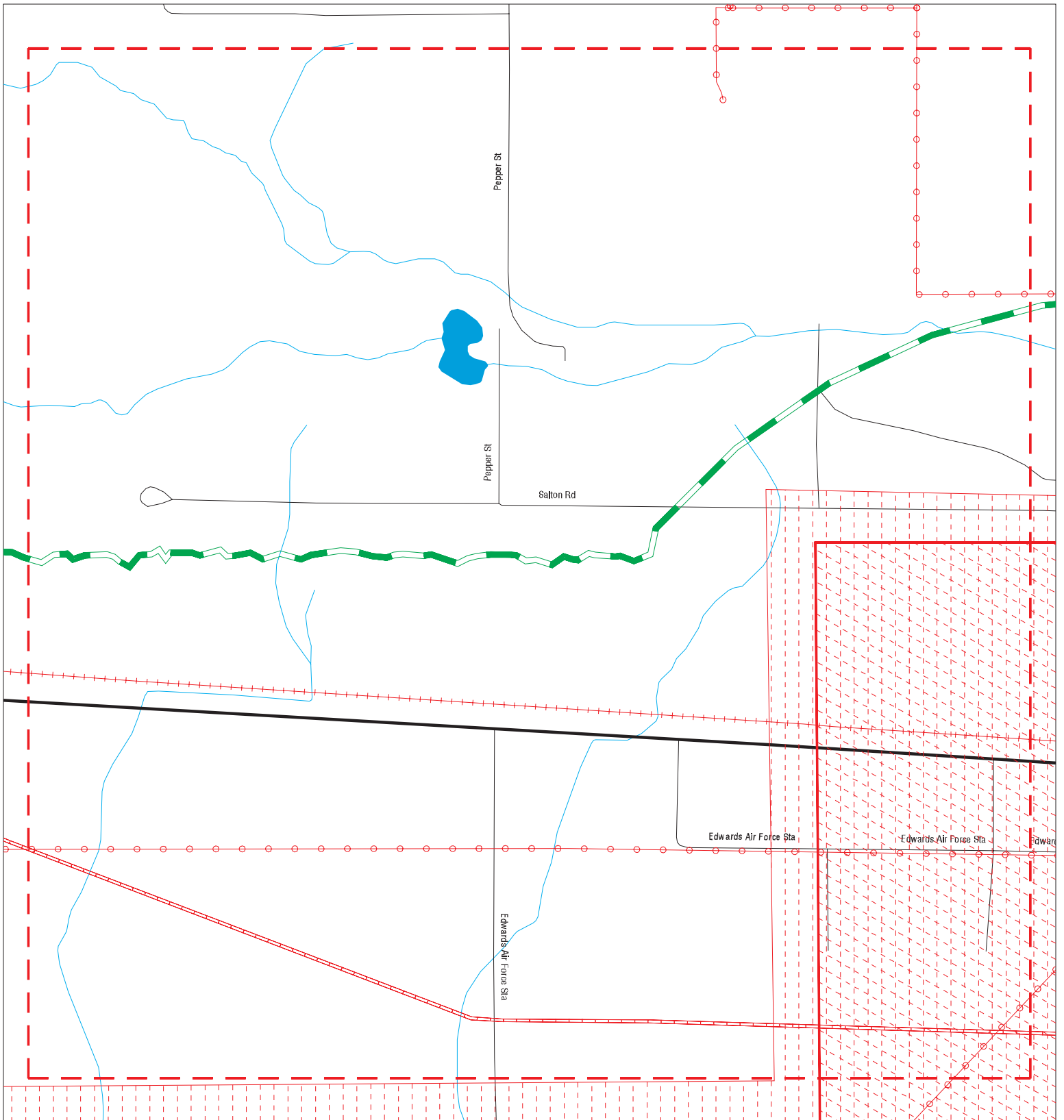
Target Property:  
64NB 8ME, LLC, ARATINA GEN-TIE  
BORON, CA 93524












MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

---

NO MAPPED SITES FOUND

# Focus Map - 6 - 6089723.2s



- |   |  |   |
|---|--|---|
|  Sites                 |  Focus Map - Sites            |  Areas of Concern        |
|  Target Property      |  Power Line                   |  Dept. Defense Sites     |
|  Search Buffer        |  Pipe Line                    |  Indian Reservations BIA |
|  Focus Map - No Sites |  National Priority List Sites |   |



**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
**CITY/STATE:** Boron CA  
**ZIP:** 93516

**CLIENT:** Stantec  
**CONTACT:** Dion Monge  
**INQUIRY #:** 6089723.2s  
**DATE:** 06/12/20

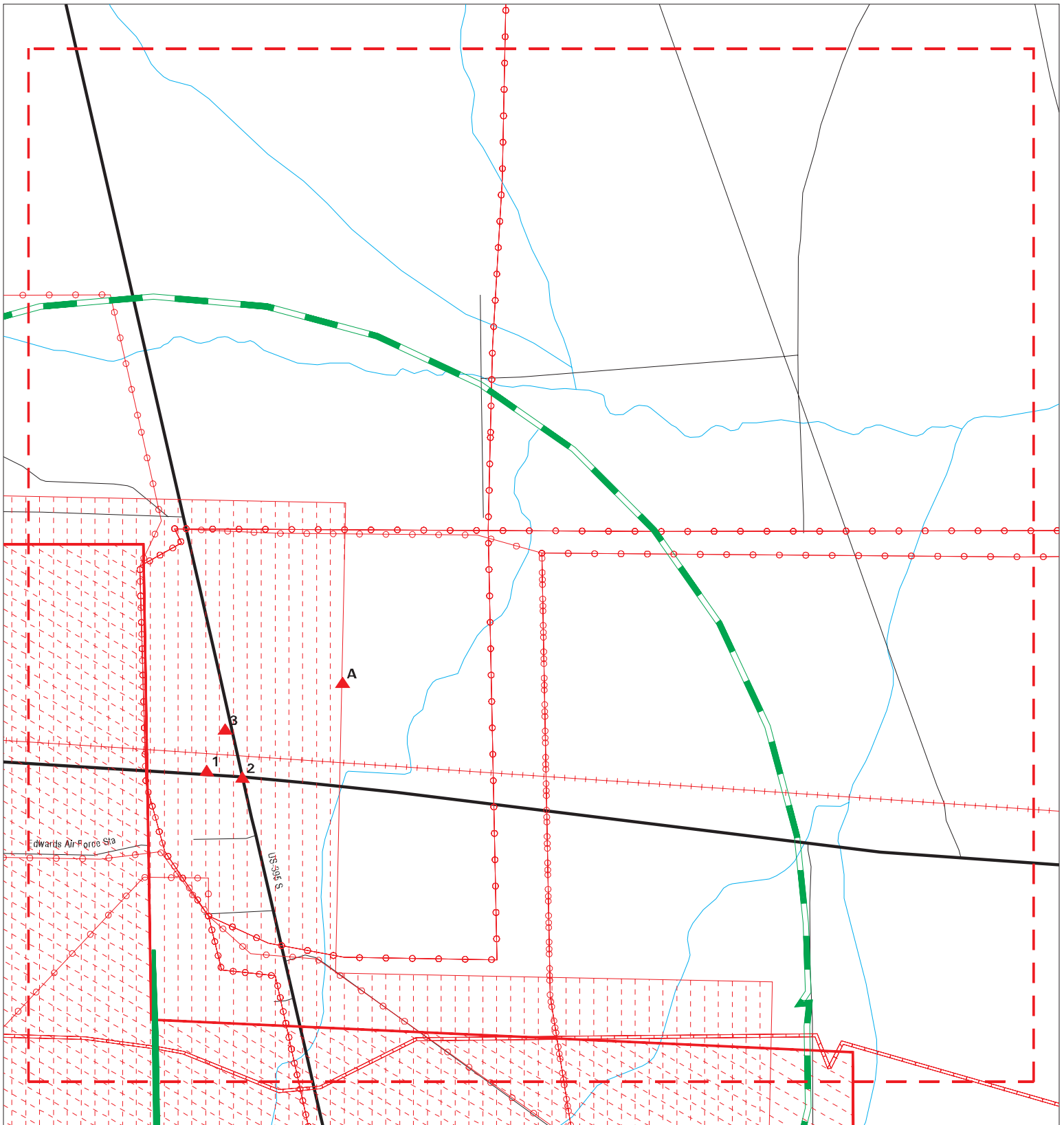
MAPPED SITES SUMMARY - FOCUS MAP 6

Target Property:  
 64NB 8ME, LLC, ARATINA GEN-TIE  
 BORON, CA 93524

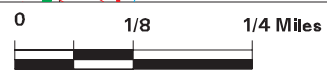
MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / Multiple	EDWARDS AIR FORCE BA		DOD	TP
Reg / Multiple	EDWARDS AIR FORCE BA	5 EAST POPSON AVE BL	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG.TP	



# Focus Map - 7 - 6089723.2s



- |                      |                              |                         |
|----------------------|------------------------------|-------------------------|
| Sites                | Focus Map - Sites            | Areas of Concern        |
| Target Property      | Power Line                   | Dept. Defense Sites     |
| Search Buffer        | Pipe Line                    | Indian Reservations BIA |
| Focus Map - No Sites | National Priority List Sites |                         |



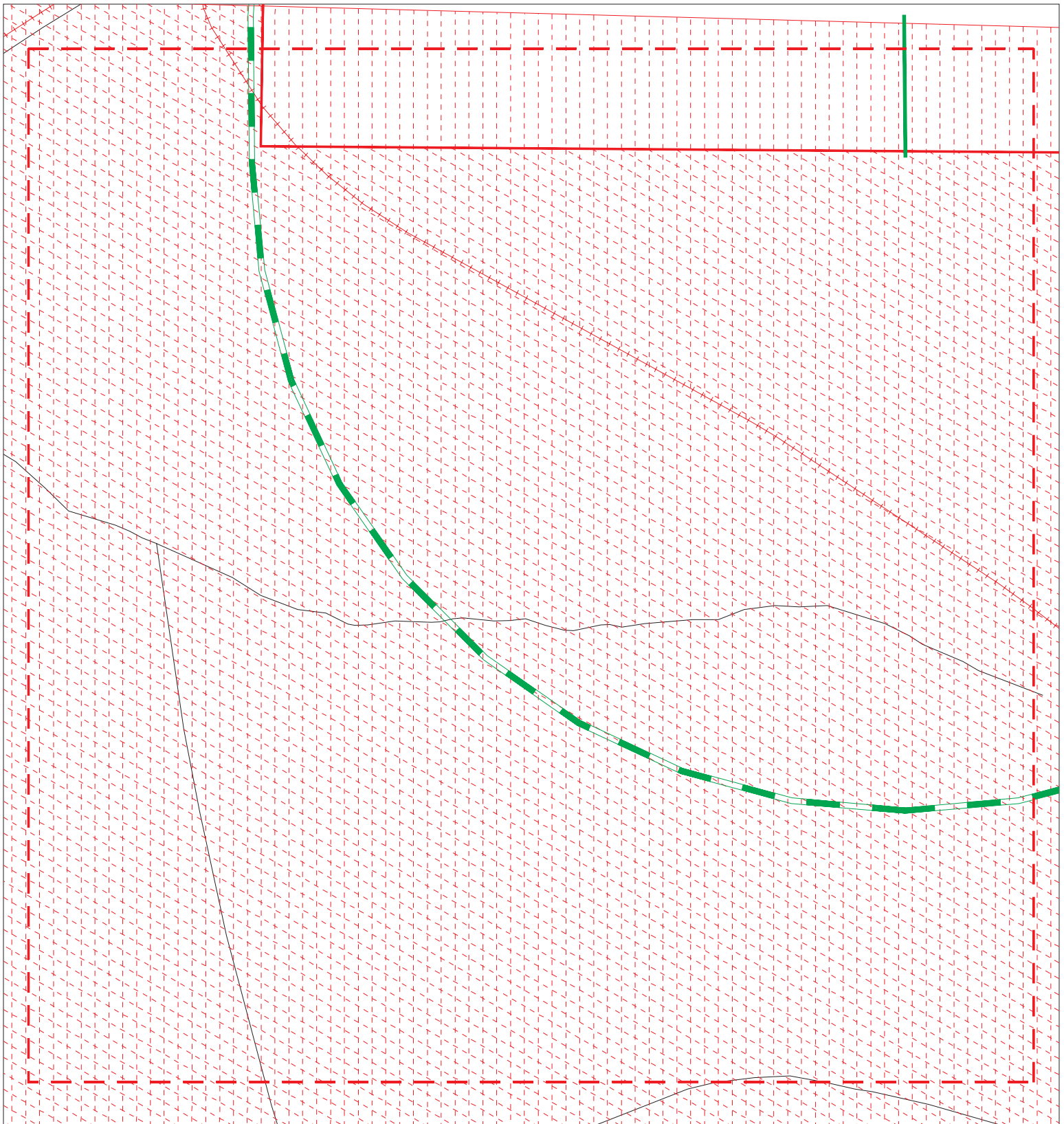
SITE NAME: 64NB 8me, LLC, Aratina Gen-tie ADDRESS: 64NB 8me, LLC, Aratina Gen-tie CITY/STATE: Boron CA ZIP: 93516	CLIENT: Stantec CONTACT: Dion Monge INQUIRY #: 6089723.2s DATE: 06/12/20
--	---












MAPPED SITES SUMMARY - FOCUS MAP 7

Target Property:  
 64NB 8ME, LLC, ARATINA GEN-TIE  
 BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / Multiple	EDWARDS AIR FORCE BA		DOD	TP
Reg / Multiple	EDWARDS AIR FORCE BA	5 EAST POPSON AVE BL	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG.TP	
1 / 7	FEDERAL PRISON CAMP	HWY 395	LUST, HIST UST, Cortese, HIST CORTESE	1514 0.287 NNE
2 / 7	FOUR CORNERS UNOCAL	HWY 395 & HWY 58	HIST CORTESE	1572 0.298 NNE
3 / 7	CALTRANS BEECHERS MA	40400 JCT US 395	SWF/LF, CERS	1878 0.356 NNE
A6 / 7	KRAMER POTASH PLANT		FUDS	2648 0.502 NE
A7 / 7	KRAMER POTASH PLANT		ENVIROSTOR	2662 0.504 NE

# Focus Map - 8 - 6089723.2s



- |   |  |   |
|---|--|---|
|  Sites                 |  Focus Map - Sites            |  Areas of Concern        |
|  Target Property      |  Power Line                   |  Dept. Defense Sites     |
|  Search Buffer        |  Pipe Line                    |  Indian Reservations BIA |
|  Focus Map - No Sites |  National Priority List Sites |   |



**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
**CITY/STATE:** Boron CA  
**ZIP:** 93516

**CLIENT:** Stantec  
**CONTACT:** Dion Monge  
**INQUIRY #:** 6089723.2s  
**DATE:** 06/12/20

MAPPED SITES SUMMARY - FOCUS MAP 8

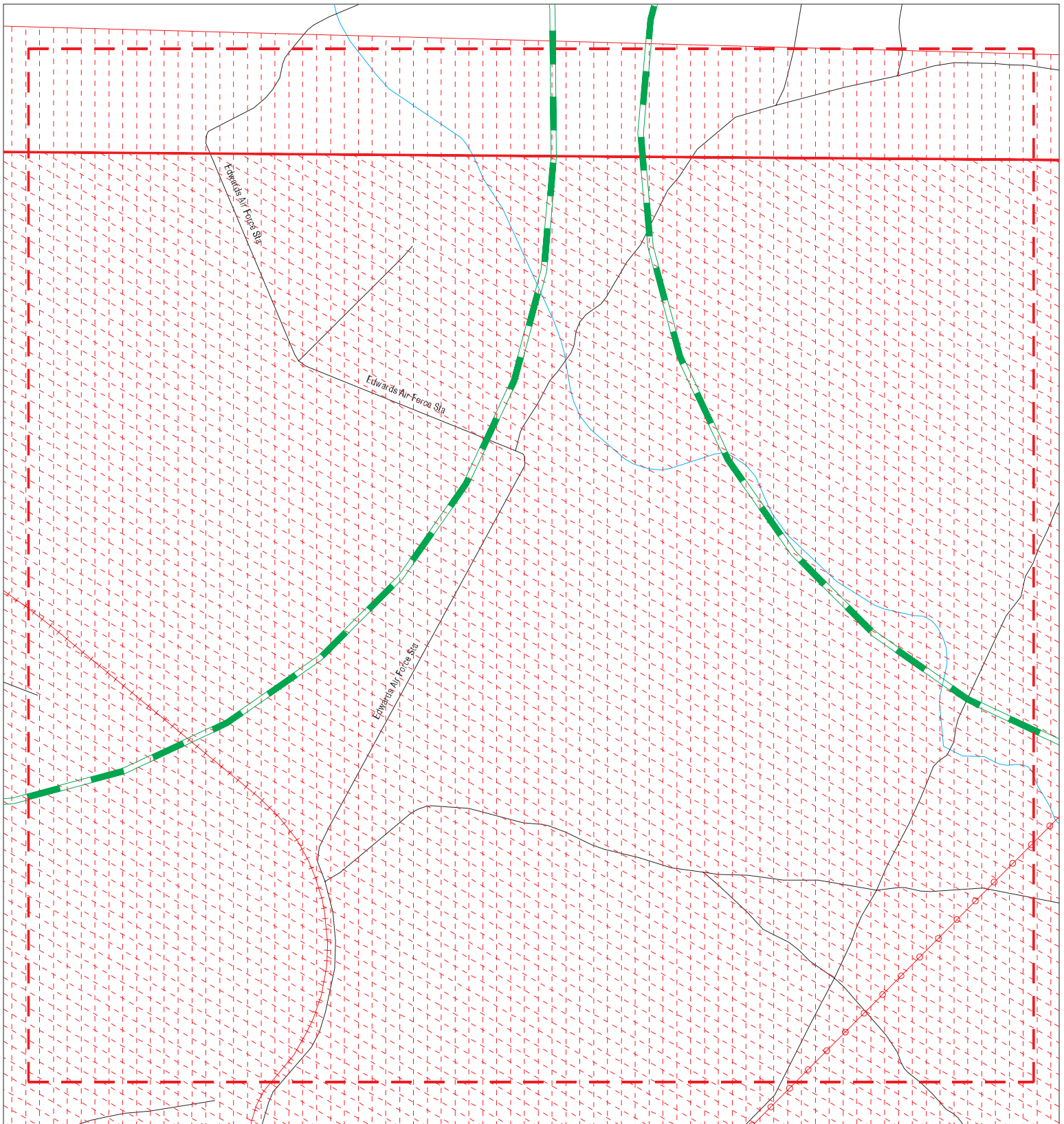
Target Property:  
64NB 8ME, LLC, ARATINA GEN-TIE  
BORON, CA 93524












MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
-----------------------	-----------	---------	-------------------	-------------------------------

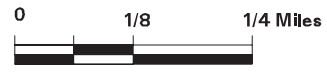
---

NO MAPPED SITES FOUND

# Focus Map - 9 - 6089723.2s



- |  |                             |   |                                     |   |                                |
|--|-----------------------------|---|-------------------------------------|---|--------------------------------|
|   | <b>Sites</b>                |  | <b>Focus Map - Sites</b>            |  | <b>Areas of Concern</b>        |
|  | <b>Target Property</b>      |  | <b>Power Line</b>                   |  | <b>Dept. Defense Sites</b>     |
|  | <b>Search Buffer</b>        |  | <b>Pipe Line</b>                    |  | <b>Indian Reservations BIA</b> |
|  | <b>Focus Map - No Sites</b> |  | <b>National Priority List Sites</b> |   |                                |



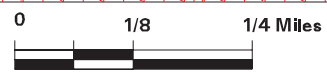
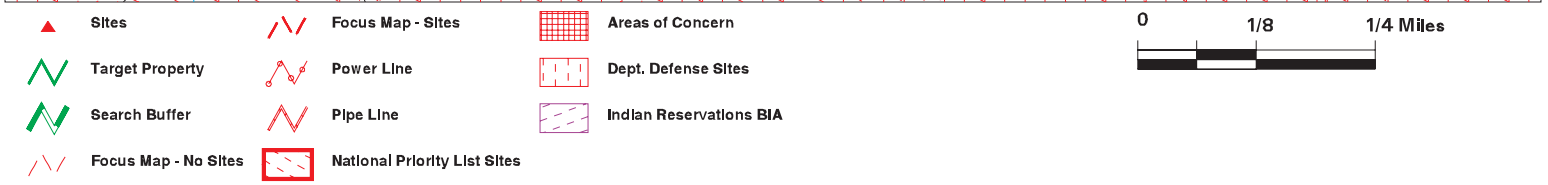
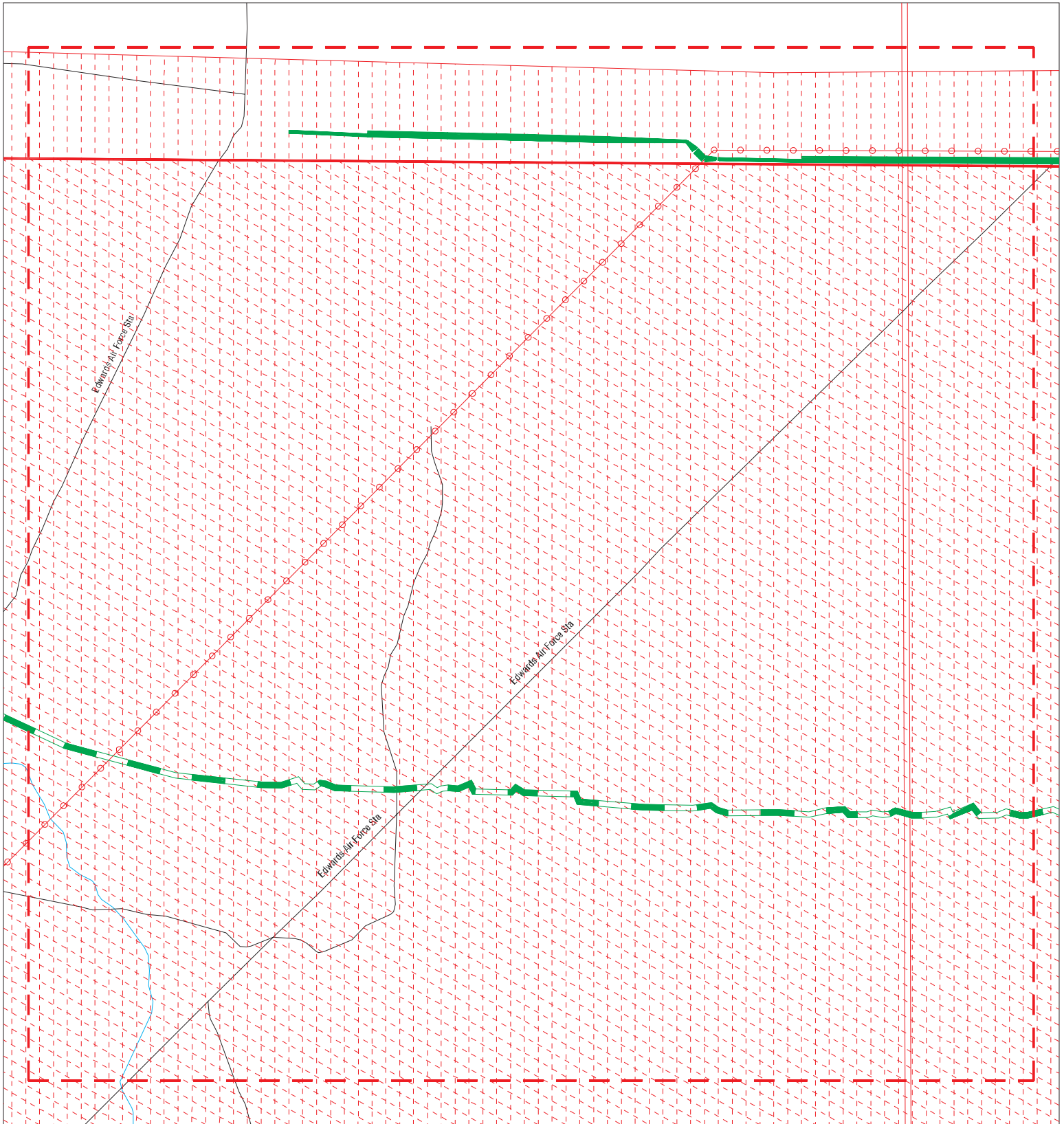
SITE NAME: 64NB 8me, LLC, Aratina Gen-tie ADDRESS: 64NB 8me, LLC, Aratina Gen-tie CITY/STATE: Boron CA ZIP: 93516	CLIENT: Stantec CONTACT: Dion Monge INQUIRY #: 6089723.2s DATE: 06/12/20
--	---

MAPPED SITES SUMMARY - FOCUS MAP 9

Target Property:  
 64NB 8ME, LLC, ARATINA GEN-TIE  
 BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / Multiple	EDWARDS AIR FORCE BA		DOD	TP
Reg / Multiple	EDWARDS AIR FORCE BA	5 EAST POPSON AVE BL	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG.TP	

# Focus Map - 10 - 6089723.2s



**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
**CITY/STATE:** Boron CA  
**ZIP:** 93516

**CLIENT:** Stantec  
**CONTACT:** Dion Monge  
**INQUIRY #:** 6089723.2s  
**DATE:** 06/12/20

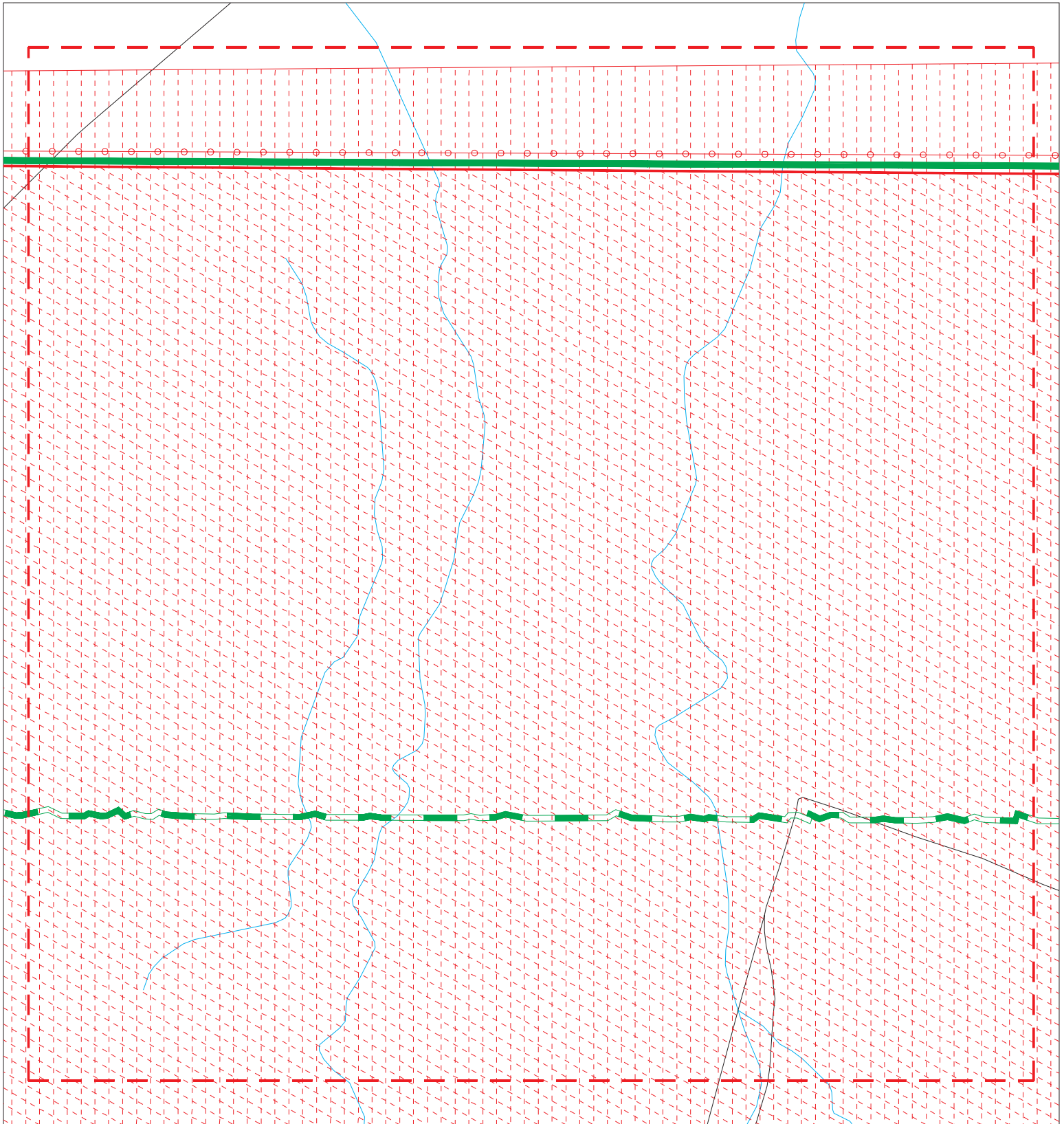
MAPPED SITES SUMMARY - FOCUS MAP 10












Target Property:  
64NB 8ME, LLC, ARATINA GEN-TIE  
BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / Multiple	EDWARDS AIR FORCE BA		DOD	TP
Reg / Multiple	EDWARDS AIR FORCE BA	5 EAST POPSON AVE BL	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG.TP	



# Focus Map - 11 - 6089723.2s



- |  |                      |   |                              |   |                         |
|--|----------------------|---|------------------------------|---|-------------------------|
|   | Sites                |  | Focus Map - Sites            |  | Areas of Concern        |
|  | Target Property      |  | Power Line                   |  | Dept. Defense Sites     |
|  | Search Buffer        |  | Pipe Line                    |  | Indian Reservations BIA |
|  | Focus Map - No Sites |  | National Priority List Sites |   |                         |



**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
**CITY/STATE:** Boron CA  
**ZIP:** 93516

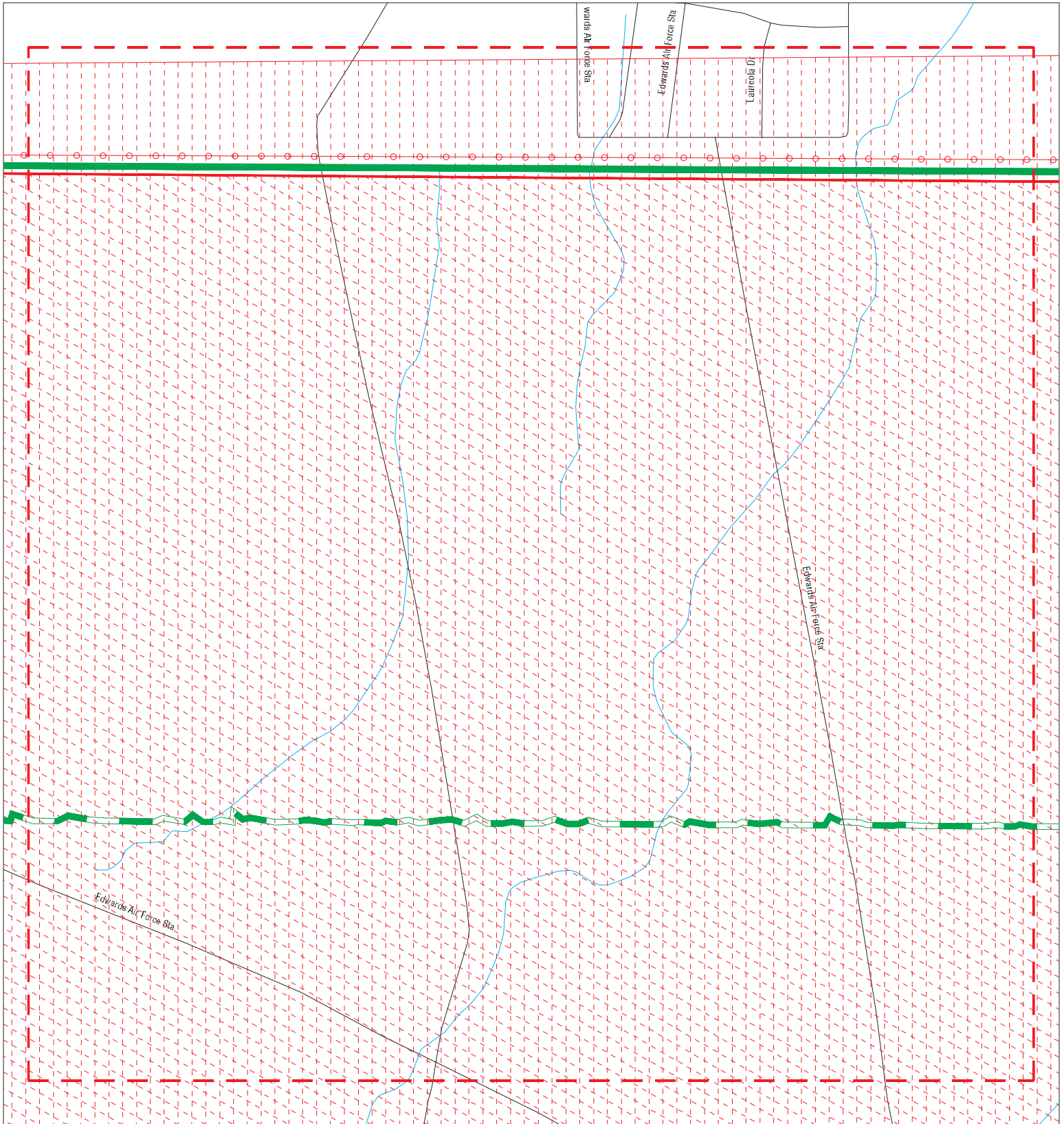
**CLIENT:** Stantec  
**CONTACT:** Dion Monge  
**INQUIRY #:** 6089723.2s  
**DATE:** 06/12/20

MAPPED SITES SUMMARY - FOCUS MAP 11

Target Property:  
64NB 8ME, LLC, ARATINA GEN-TIE  
BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / Multiple	EDWARDS AIR FORCE BA		DOD	TP
Reg / Multiple	EDWARDS AIR FORCE BA	5 EAST POPSON AVE BL	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG.TP	

# Focus Map - 12 - 6089723.2s



- |  |                      |  |                              |  |                         |
|--|----------------------|--|------------------------------|--|-------------------------|
|  | Sites                |  | Focus Map - Sites            |  | Areas of Concern        |
|  | Target Property      |  | Power Line                   |  | Dept. Defense Sites     |
|  | Search Buffer        |  | Pipe Line                    |  | Indian Reservations BIA |
|  | Focus Map - No Sites |  | National Priority List Sites |  |                         |



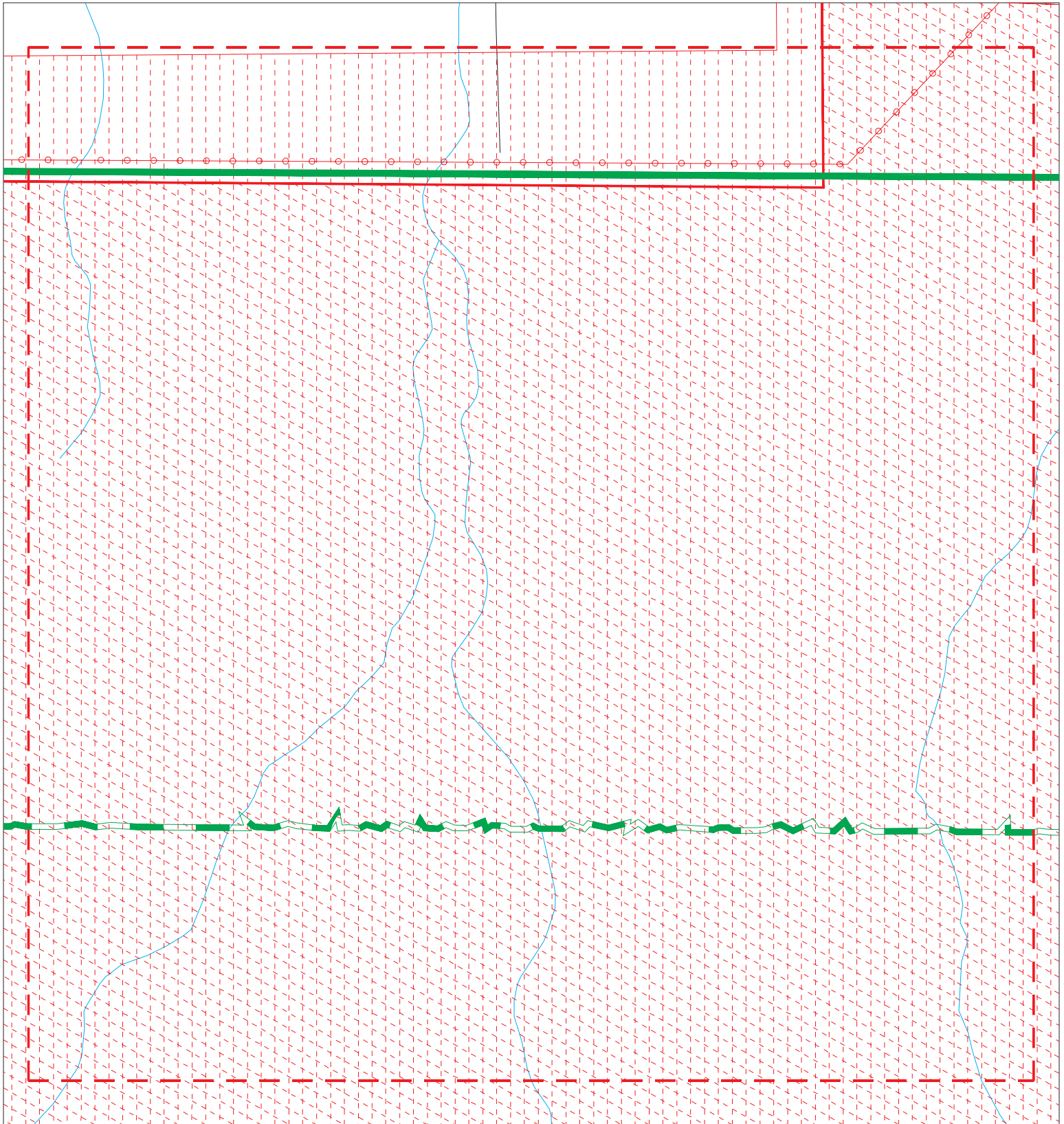
SITE NAME: 64NB 8me, LLC, Aratina Gen-tie ADDRESS: 64NB 8me, LLC, Aratina Gen-tie CITY/STATE: Boron CA ZIP: 93516	CLIENT: Stantec CONTACT: Dion Monge INQUIRY #: 6089723.2s DATE: 06/12/20
--	---












MAPPED SITES SUMMARY - FOCUS MAP 12

Target Property:  
 64NB 8ME, LLC, ARATINA GEN-TIE  
 BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / Multiple	EDWARDS AIR FORCE BA		DOD	TP
Reg / Multiple	EDWARDS AIR FORCE BA	5 EAST POPSON AVE BL	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG.TP	

# Focus Map - 13 - 6089723.2s



- |  |                      |   |                              |   |                         |
|--|----------------------|---|------------------------------|---|-------------------------|
|   | Sites                |  | Focus Map - Sites            |  | Areas of Concern        |
|  | Target Property      |  | Power Line                   |  | Dept. Defense Sites     |
|  | Search Buffer        |  | Pipe Line                    |  | Indian Reservations BIA |
|  | Focus Map - No Sites |  | National Priority List Sites |   |                         |

**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
**CITY/STATE:** Boron CA  
**ZIP:** 93516

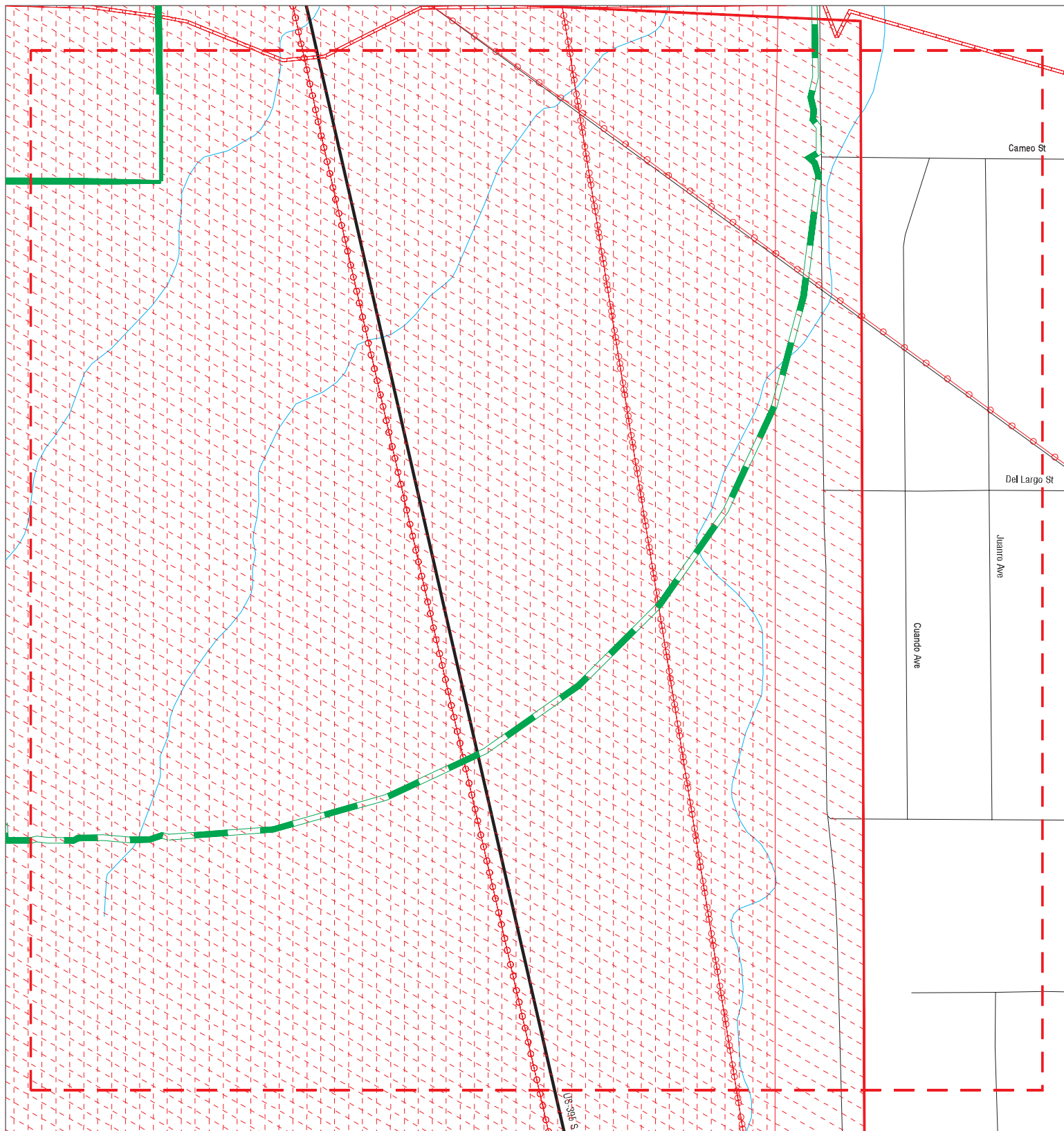
**CLIENT:** Stantec  
**CONTACT:** Dion Monge  
**INQUIRY #:** 6089723.2s  
**DATE:** 06/12/20












MAPPED SITES SUMMARY - FOCUS MAP 13

Target Property:  
 64NB 8ME, LLC, ARATINA GEN-TIE  
 BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / Multiple	EDWARDS AIR FORCE BA		DOD	TP
Reg / Multiple	EDWARDS AIR FORCE BA	5 EAST POPSON AVE BL	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG.TP	

# Focus Map - 14 - 6089723.2s



- |  |                      |   |                              |   |                         |
|--|----------------------|---|------------------------------|---|-------------------------|
|   | Sites                |  | Focus Map - Sites            |  | Areas of Concern        |
|  | Target Property      |  | Power Line                   |  | Dept. Defense Sites     |
|  | Search Buffer        |  | Pipe Line                    |  | Indian Reservations BIA |
|  | Focus Map - No Sites |  | National Priority List Sites |   |                         |



**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
**CITY/STATE:** Boron CA  
**ZIP:** 93516

**CLIENT:** Stantec  
**CONTACT:** Dion Monge  
**INQUIRY #:** 6089723.2s  
**DATE:** 06/12/20

MAPPED SITES SUMMARY - FOCUS MAP 14

Target Property:  
 64NB 8ME, LLC, ARATINA GEN-TIE  
 BORON, CA 93524

MAP ID / FOCUS MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	DIST (ft. & mi.) DIRECTION
Reg / Multiple	EDWARDS AIR FORCE BA		DOD	TP
Reg / Multiple	EDWARDS AIR FORCE BA	5 EAST POPSON AVE BL	NPL, SEMS, CORRACTS, RCRA-TSDF, RCRA-LQG.TP	



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOD** EDWARDS AIR FORCE BASE  
**Region**  
**Target** EDWARDS AIR FORCE BASE (County), CA  
**Property**

**DOD** CUSA140697  
N/A

DOD:

Feature 1: Air Force DOD  
Feature 2: Not reported  
Feature 3: Not reported  
URL: Not reported  
Name 1: Edwards Air Force Base  
Name 2: Not reported  
Name 3: Not reported  
State: CA  
DOD Site: Yes  
Tile name: CAKERN

**Focus Map:**  
6,7,2,9,13,14,10,12

**NPL** EDWARDS AIR FORCE BASE  
**Region** 5 EAST POPSON AVE BLDG 2650  
**Target** EDWARDS AFB, CA 93524  
**Property**

**NPL** 1000155217  
**SEMS** CA1570024504  
**CORRACTS**  
**RCRA-TSDF**  
**RCRA-LQG**  
**US ENG CONTROLS**  
**US INST CONTROLS**  
**ENVIROSTOR**  
**HIST Cal-Sites**  
**DEED**  
**ROD**  
**RAATS**  
**PRP**  
**ICIS**  
**US AIRS**  
**DOCKET HWC**  
**ICE**  
**PFAS**

**Focus Map:**  
7,6,13,14,9,10,11,12

NPL:

Name: EDWARDS AIR FORCE BASE  
Address: AFTTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
EPA Region: 9  
Federal: Y  
Final Date: 1990-08-30 00:00:00  
Site ID: 902725  
Latitude: 34.949438999999998  
Site Score: 33.619999999999997  
Longitude: -117.8857

NPL:

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Category Description: Depth To Aquifer-> 100 Feet  
Category Value: 110

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile  
Category Value: 10

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

EDWARDS AIR FORCE BASE (Continued)

1000155217

NPL:

EPA ID: CA1570024504  
Site ID: 0902725  
Site Status: F  
Federal Site: Y  
EPA Region: 09  
Date Proposed: 07/14/89  
Date Deleted: Not reported  
Date Finalized: 08/30/90

NPL:

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Substance ID: Not reported  
Substance: Not reported  
CAS #: Not reported  
Pathway: Not reported  
Scoring: Not reported

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Substance ID: A020  
Substance: CHROMIUM AND COMPOUNDS  
CAS #: Not reported  
Pathway: GROUND WATER PATHWAY  
Scoring: 4

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Substance ID: D004  
Substance: ARSENIC  
CAS #: 7440-38-2  
Pathway: GROUND WATER PATHWAY  
Scoring: 3

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Substance ID: U036  
Substance: CHLORDANE  
CAS #: 57-74-9  
Pathway: GROUND WATER PATHWAY  
Scoring: 3

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Substance ID: U061  
Substance: DDT  
CAS #: 50-29-3  
Pathway: GROUND WATER PATHWAY  
Scoring: 3

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Substance ID: U077  
Substance: DICHLOROETHANE, 1,2-  
CAS #: 107-06-2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Pathway: GROUND WATER PATHWAY  
Scoring: 2

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Substance ID: U079  
Substance: TRANS-DICHLOROETHYLENE, 1,2-  
CAS #: 156-60-5  
Pathway: GROUND WATER PATHWAY  
Scoring: 2

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Substance ID: U210  
Substance: TETRACHLOROETHENE  
CAS #: 127-18-4  
Pathway: GROUND WATER PATHWAY  
Scoring: 2

EPA ID: CA1570024504  
NPL Status: Currently on the Final NPL  
Substance ID: U228  
Substance: TRICHLOROETHYLENE (TCE)  
CAS #: 79-01-6  
Pathway: GROUND WATER PATHWAY  
Scoring: 2

NPL:  
EPA ID: CA1570024504  
Summary: Conditions at proposal July 14, 1989): Edwards Air Force Base EAFB) is in Kern, Los Angeles, and San Bernardino Counties, California, occupying approximately 800 square miles in the western portion of the Mojave Desert. The base has been i

EPA ID: CA1570024504  
Summary: n operation since 1933. Its primary mission is to conduct research and development on new aircraft. EAFB is participating in the Installation Restoration Program (IRP), established in 1978. Under this program, the Department of De

EPA ID: CA1570024504  
Summary: fense seeks to identify, investigate, and clean up contamination from ha arduous materials. Under IRP, the Air Force has identified 21 waste areas at the facility. The Main/South Base area, at the western edge of Rogers Dry Lake, is the p

EPA ID: CA1570024504  
Summary: rimary area for maintenance and refueling of aircraft. On several occasions, large amounts of fuel have been spilled in the area, and poor disposal practices have released organic solvents to the ground. Also in the area are an abandoned sanit

EPA ID: CA1570024504  
Summary: ary landfill containing pesticides and heavy metals, an area where electroplating wastes were dumped, and the industrial waste pond, which contains sediments rich in heavy metals. Trichloroethylene, trans-1,2-dichloroethylene, 1,2- dichl

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

EPA ID: CA1570024504  
Summary: oroethane, tetrachloroethylene, and methylene chloride are present in ground water underlying the Main/South Base area, according to a 1987 IRP report. EAFB s 13,800 employees obtain drinking water from wells within 3 miles of the Main/South Ba

EPA ID: CA1570024504  
Summary: se area. There is no perennial surface water at EAFB. The Air Force has completed an initial assessment of the base and is now conducting a remedial investigation/feasibility study to determine the type and extent of contaminat

EPA ID: CA1570024504  
Summary: ion and identify alternatives for remedial action. Status August 30, 1990): The Air Force is reviewing previous studies to determine any additional data needed to fully characteri e known waste areas. EPA, the State, and the Air F

EPA ID: CA1570024504  
Summary: orce arenegotiating an Interagency Agreement under CERCLA Section 120 covering response activities at the base.

NPL:  
EPA ID: CA1570024504  
NPL Status: Final  
Proposed Date: 07/14/1989  
Final Date: 08/30/1990  
Deleted Date: Not reported

NPL:  
EPA ID: CA1570024504  
NPL Name: EDWARDS AIR FORCE BASE

SEMS:  
Site ID: 0902725  
EPA ID: CA1570024504  
Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
Cong District: 21,23  
FIPS Code: 06029  
Latitude: 34.949439  
Longitude: -117.885700  
FF: Y  
NPL: Currently on the Final NPL  
Non NPL Status: Not reported

SEMS Detail:  
Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

OU: 00  
Action Code: DS  
Action Name: DISCVRY  
SEQ: 1  
Start Date: 1980-08-01 04:00:00  
Finish Date: 8/1/1980 4:00:00 AM  
Qual: Not reported  
Current Action Lead: EPA Perf

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 00  
Action Code: NF  
Action Name: NPL FINL  
SEQ: 1  
Start Date: 1990-08-30 04:00:00  
Finish Date: 8/30/1990 4:00:00 AM  
Qual: Not reported  
Current Action Lead: EPA Perf

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 00  
Action Code: NP  
Action Name: PROPOSED  
SEQ: 1  
Start Date: 1989-07-14 04:00:00  
Finish Date: 7/14/1989 4:00:00 AM  
Qual: Not reported  
Current Action Lead: EPA Perf

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 00  
Action Code: HR  
Action Name: HAZRANK  
SEQ: 1  
Start Date: 1984-04-01 05:00:00  
Finish Date: 4/1/1984 5:00:00 AM  
Qual: Not reported  
Current Action Lead: EPA Perf

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 00  
Action Code: PA  
Action Name: PA  
SEQ: 2  
Start Date: 1986-11-01 05:00:00  
Finish Date: 11/1/1986 5:00:00 AM  
Qual: L  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 02  
Action Code: LY  
Action Name: FF RA  
SEQ: 1  
Start Date: 2010-10-08 04:00:00  
Finish Date: 9/30/2013 4:00:00 AM  
Qual: IR  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 02  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 1  
Start Date: 2004-09-29 04:00:00  
Finish Date: 6/24/2009 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 09  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 9  
Start Date: 2005-08-12 04:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 08  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 11  
Start Date: 2005-08-18 04:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 11  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 13  
Start Date: 2004-01-31 05:00:00  
Finish Date: 8/4/2008 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 11  
Action Code: RO  
Action Name: ROD  
SEQ: 12  
Start Date: 2008-08-04 04:00:00  
Finish Date: 8/4/2008 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 11  
Action Code: LX  
Action Name: FF RD  
SEQ: 12  
Start Date: 2008-08-04 04:00:00  
Finish Date: 9/28/2009 4:00:00 AM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	11
Action Code:	LY
Action Name:	FF RA
SEQ:	12
Start Date:	2008-08-04 04:00:00
Finish Date:	7/27/2011 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	13
Action Code:	NI
Action Name:	FF FS
SEQ:	1
Start Date:	2007-07-03 04:00:00
Finish Date:	9/21/2012 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	13
Action Code:	RO
Action Name:	ROD
SEQ:	15
Start Date:	2012-09-21 04:00:00
Finish Date:	9/21/2012 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	14
Action Code:	LV
Action Name:	FF RV



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

SEQ:	2
Start Date:	2012-03-07 05:00:00
Finish Date:	10/6/2014 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LX
Action Name:	FF RD
SEQ:	19
Start Date:	2009-06-24 04:00:00
Finish Date:	6/24/2009 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LY
Action Name:	FF RA
SEQ:	19
Start Date:	2009-06-24 04:00:00
Finish Date:	11/22/2010 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	05
Action Code:	LV
Action Name:	FF RV
SEQ:	1
Start Date:	2009-11-20 05:00:00
Finish Date:	8/1/2011 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

OU: 02  
Action Code: LX  
Action Name: FF RD  
SEQ: 22  
Start Date: 2013-02-06 05:00:00  
Finish Date: 7/25/2013 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 04  
Action Code: OM  
Action Name: OM  
SEQ: 3  
Start Date: 2009-10-26 04:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 00  
Action Code: PA  
Action Name: PA  
SEQ: 1  
Start Date: 1986-10-01 04:00:00  
Finish Date: 10/1/1986 4:00:00 AM  
Qual: L  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 01  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 2  
Start Date: 2004-07-30 04:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 04  
Action Code: LY  
Action Name: FF RA  
SEQ: 5  
Start Date: 2007-11-06 05:00:00  
Finish Date: 10/26/2009 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 15  
Action Code: LX  
Action Name: FF RD  
SEQ: 5  
Start Date: 2009-09-16 04:00:00  
Finish Date: 11/9/2010 5:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 05  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 5  
Start Date: 2017-05-31 04:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 06  
Action Code: OM  
Action Name: OM  
SEQ: 5  
Start Date: 2010-08-03 04:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 15  
Action Code: LY  
Action Name: FF RA  
SEQ: 4  
Start Date: 2010-12-13 05:00:00  
Finish Date: 5/12/2014 4:00:00 AM  
Qual: IR  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 02  
Action Code: RO  
Action Name: ROD  
SEQ: 1  
Start Date: 2009-06-24 04:00:00  
Finish Date: 6/24/2009 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 15  
Action Code: RO  
Action Name: ROD  
SEQ: 5  
Start Date: 2009-09-16 04:00:00  
Finish Date: 9/16/2009 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 04  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 7  
Start Date: 2004-01-31 05:00:00  
Finish Date: 9/24/2007 4:00:00 AM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	15
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	4
Start Date:	2006-06-20 04:00:00
Finish Date:	9/16/2009 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	03
Action Code:	RO
Action Name:	ROD
SEQ:	2
Start Date:	2003-09-30 04:00:00
Finish Date:	9/30/2003 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	15
Action Code:	OM
Action Name:	OM
SEQ:	6
Start Date:	2014-05-12 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	03
Action Code:	LW
Action Name:	FF RI/FS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

SEQ:	3
Start Date:	1992-12-18 05:00:00
Finish Date:	3/30/1999 5:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	04
Action Code:	LX
Action Name:	FF RD
SEQ:	3
Start Date:	2007-09-24 04:00:00
Finish Date:	6/12/2009 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LX
Action Name:	FF RD
SEQ:	1
Start Date:	2009-06-24 04:00:00
Finish Date:	10/31/2013 4:00:00 AM
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1980-08-01 04:00:00
Finish Date:	4/1/1984 5:00:00 AM
Qual:	L
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902725
EPA ID:	CA1570024504
Site Name:	EDWARDS AIR FORCE BASE
NPL:	F
FF:	Y

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

OU: 04  
Action Code: RO  
Action Name: ROD  
SEQ: 3  
Start Date: 2007-09-24 04:00:00  
Finish Date: 9/24/2007 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 10  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 6  
Start Date: 2006-11-22 05:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 02  
Action Code: LY  
Action Name: FF RA  
SEQ: 22  
Start Date: 2020-03-04 05:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 11  
Action Code: OM  
Action Name: OM  
SEQ: 8  
Start Date: 2011-07-27 04:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 14  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 15  
Start Date: 2018-01-25 05:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 12  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 16  
Start Date: 2004-01-31 05:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 07  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 12  
Start Date: 1996-09-30 04:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 06  
Action Code: RO  
Action Name: ROD  
SEQ: 4  
Start Date: 2006-09-28 04:00:00  
Finish Date: 9/28/2006 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 06  
Action Code: LX  
Action Name: FF RD  
SEQ: 4  
Start Date: 2007-10-18 04:00:00  
Finish Date: 2/15/2008 5:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 16  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 17  
Start Date: 2010-02-04 05:00:00  
Finish Date: Not reported  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 06  
Action Code: LX  
Action Name: FF RD  
SEQ: 18  
Start Date: 2006-09-28 04:00:00  
Finish Date: 9/28/2006 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 17  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 18  
Start Date: 2005-08-12 04:00:00  
Finish Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Qual: Not reported  
Current Action Lead: Fed Fac  
  
Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 06  
Action Code: LY  
Action Name: FF RA  
SEQ: 18  
Start Date: 2006-09-28 04:00:00  
Finish Date: 2/15/2008 5:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 06  
Action Code: LY  
Action Name: FF RA  
SEQ: 3  
Start Date: 2008-02-15 05:00:00  
Finish Date: 8/31/2010 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

Region: 09  
Site ID: 0902725  
EPA ID: CA1570024504  
Site Name: EDWARDS AIR FORCE BASE  
NPL: F  
FF: Y  
OU: 06  
Action Code: LW  
Action Name: FF RI/FS  
SEQ: 8  
Start Date: 2003-11-11 05:00:00  
Finish Date: 9/28/2006 4:00:00 AM  
Qual: Not reported  
Current Action Lead: Fed Fac

**CORRACTS:**

Region: 09  
Name: EDWARDS AIR FORCE BASE  
Address: 446 N. ROSAMOND BLVD BLDG 4916  
Address 2: Not reported  
City,State,Zip: EDWARDS, CA 93524-1130  
EPA ID: CA1570024504  
Area Name: ENTIRE FACILITY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Corrective Action:	CA050
Actual Date:	1993-09-01 00:00:00.0
NAICS Code 1:	928110
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	09
Name:	EDWARDS AIR FORCE BASE
Address:	446 N. ROSAMOND BLVD BLDG 4916
Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 93524-1130
EPA ID:	CA1570024504
Area Name:	ENTIRE FACILITY
Corrective Action:	CA070YE
Actual Date:	1993-09-01 00:00:00.0
NAICS Code 1:	928110
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	09
Name:	EDWARDS AIR FORCE BASE
Address:	446 N. ROSAMOND BLVD BLDG 4916
Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 93524-1130
EPA ID:	CA1570024504
Area Name:	OU #1
Corrective Action:	CA100
Actual Date:	1990-09-24 00:00:00.0
NAICS Code 1:	928110
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	09
Name:	EDWARDS AIR FORCE BASE
Address:	446 N. ROSAMOND BLVD BLDG 4916
Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 93524-1130
EPA ID:	CA1570024504
Area Name:	OU #1
Corrective Action:	CA200
Actual Date:	1996-04-01 00:00:00.0
NAICS Code 1:	928110
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	09
Name:	EDWARDS AIR FORCE BASE
Address:	446 N. ROSAMOND BLVD BLDG 4916
Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 93524-1130
EPA ID:	CA1570024504
Area Name:	OU #1
Corrective Action:	CA600GW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Actual Date:	1990-09-24 00:00:00.0
NAICS Code 1:	928110
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	09
Name:	EDWARDS AIR FORCE BASE
Address:	446 N. ROSAMOND BLVD BLDG 4916
Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 93524-1130
EPA ID:	CA1570024504
Area Name:	OU #1
Corrective Action:	CA600SR
Actual Date:	1990-09-24 00:00:00.0
NAICS Code 1:	928110
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	09
Name:	EDWARDS AIR FORCE BASE
Address:	446 N. ROSAMOND BLVD BLDG 4916
Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 93524-1130
EPA ID:	CA1570024504
Area Name:	OU #1
Corrective Action:	CA650
Actual Date:	1997-12-01 00:00:00.0
NAICS Code 1:	928110
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	09
Name:	EDWARDS AIR FORCE BASE
Address:	446 N. ROSAMOND BLVD BLDG 4916
Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 93524-1130
EPA ID:	CA1570024504
Area Name:	ENTIRE FACILITY
Corrective Action:	CA725IN
Actual Date:	2000-05-22 00:00:00.0
NAICS Code 1:	928110
NAICS Code 2:	Not reported
NAICS Code 3:	Not reported
NAICS Code 4:	Not reported
Region:	09
Name:	EDWARDS AIR FORCE BASE
Address:	446 N. ROSAMOND BLVD BLDG 4916
Address 2:	Not reported
City,State,Zip:	EDWARDS, CA 93524-1130
EPA ID:	CA1570024504
Area Name:	ENTIRE FACILITY
Corrective Action:	CA725NO
Actual Date:	1998-04-06 00:00:00.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

NAICS Code 1: 928110  
NAICS Code 2: Not reported  
NAICS Code 3: Not reported  
NAICS Code 4: Not reported

Region: 09  
Name: EDWARDS AIR FORCE BASE  
Address: 446 N. ROSAMOND BLVD BLDG 4916  
Address 2: Not reported  
City,State,Zip: EDWARDS, CA 93524-1130  
EPA ID: CA1570024504  
Area Name: ENTIRE FACILITY  
Corrective Action: CA725YE  
Actual Date: 2004-08-03 00:00:00.0  
NAICS Code 1: 928110  
NAICS Code 2: Not reported  
NAICS Code 3: Not reported  
NAICS Code 4: Not reported

Region: 09  
Name: EDWARDS AIR FORCE BASE  
Address: 446 N. ROSAMOND BLVD BLDG 4916  
Address 2: Not reported  
City,State,Zip: EDWARDS, CA 93524-1130  
EPA ID: CA1570024504  
Area Name: ENTIRE FACILITY  
Corrective Action: CA750IN  
Actual Date: 2000-05-22 00:00:00.0  
NAICS Code 1: 928110  
NAICS Code 2: Not reported  
NAICS Code 3: Not reported  
NAICS Code 4: Not reported

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

**RCRA-TSDF:**

Date form received by agency: 2018-10-19 00:00:00.0  
Facility name: EDWARDS AIR FORCE BASE  
Facility address: 446 N. ROSAMOND BLVD BLDG 4916  
EDWARDS, CA 93524-1130  
EPA ID: CA1570024504  
Mailing address: NORTH ROSAMOND BLVD, STE A  
BLDG 3735  
EDWARDS, CA 93524  
Contact: D MALAMA CHOCK  
Contact address: NORTH ROSAMOND BLVD, STE A BLDG 3735  
EDWARDS, CA 93524  
Contact country: US  
Contact telephone: 661-277-3454  
Contact email: D\_MALAMA.CHOCK@US.AF.MIL  
EPA Region: 09  
Land type: Federal  
Classification: TSDF  
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste  
Classification: Large Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: EDWARDS AIR FORCE BASE  
Owner/operator address: N. ROSAMOND BLVD BLDG 4916  
EDWARDS, CA 93524  
Owner/operator country: US  
Owner/operator telephone: 661-277-3454  
Owner/operator email: D\_MALAMA.CHOCK@US.AF.MIL  
Owner/operator fax: 661-277-1460  
Owner/operator extension: Not reported  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 1950-01-01 00:00:00.  
Owner/Op end date: Not reported  
  
Owner/operator name: EDWARDS AIR FORCE BASE  
Owner/operator address: NORTH ROSAMOND BLVD, STE A BLDG 3735  
EDWARDS, CA 93524  
Owner/operator country: US  
Owner/operator telephone: 661-277-3454  
Owner/operator email: D\_MALAMA.CHOCK@US.AF.MIL  
Owner/operator fax: 661-277-1460  
Owner/operator extension: Not reported  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 1950-01-01 00:00:00.  
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: Yes  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: Yes  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Universal Waste Summary:

Waste type: C  
Accumulated waste on-site: No  
Generated waste on-site: Yes

Waste type: Batteries  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: Thermostats  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: Lamps  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: E  
Accumulated waste on-site: No  
Generated waste on-site: Yes

Historical Generators:

Date form received by agency: 2016-02-29 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2012-09-11 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2010-07-13 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2008-02-29 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2006-02-15 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2004-02-26 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2002-03-29 00:00:00.0  
Site name: EDWARDS AIRFORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 1998-02-02 00:00:00.0  
Site name: USAF EDWARDS AFB  
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0  
Site name: USAF EDWARDS AFB  
Classification: Large Quantity Generator

Date form received by agency: 1996-03-27 00:00:00.0  
Site name: USAF EDWARDS  
Classification: Large Quantity Generator

Date form received by agency: 1994-03-29 00:00:00.0  
Site name: USAF FLIGHT TEST CTR EDWARDS AFB  
Classification: Large Quantity Generator

Date form received by agency: 1992-04-25 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 1990-04-27 00:00:00.0  
Site name: EDWARDS AFB/ EXPLOSIVE ORDINACE  
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0  
Site name: USAF EDWARDS AFB  
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0  
Site name: USAF EDWARDS AFB  
Classification: Large Quantity Generator

Hazardous Waste Summary:

- . Waste code: 121
- . Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
  
- . Waste code: 122
- . Waste name: Alkaline solution without metals (pH > 12.5)
  
- . Waste code: 123
- . Waste name: Unspecified alkaline solution
  
- . Waste code: 131
- . Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
  
- . Waste code: 132



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)
- . Waste code: 133
- . Waste name: Aqueous solution with 10% or more total organic residues
- . Waste code: 134
- . Waste name: Aqueous solution with <10% total organic residues
- . Waste code: 135
- . Waste name: Unspecified aqueous solution
- . Waste code: 141
- . Waste name: Off-specification, aged, or surplus inorganics
- . Waste code: 151
- . Waste name: Asbestos-containing waste
- . Waste code: 162
- . Waste name: Other spent catalyst
- . Waste code: 171
- . Waste name: Metal sludge (see 121)
- . Waste code: 172
- . Waste name: Metal dust (see 121) and machining waste
- . Waste code: 181
- . Waste name: Other inorganic solid waste
- . Waste code: 211
- . Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
- . Waste code: 212
- . Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
- . Waste code: 213
- . Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
- . Waste code: 214
- . Waste name: Unspecified solvent mixture
- . Waste code: 221
- . Waste name: Waste oil and mixed oil
- . Waste code: 222
- . Waste name: Oil/water separation sludge
- . Waste code: 223
- . Waste name: Unspecified oil-containing waste
- . Waste code: 241
- . Waste name: Tank bottom waste
- . Waste code: 251
- . Waste name: Still bottoms with halogenated organics

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste code: 252
- . Waste name: Other still bottom waste
  
- . Waste code: 261
- . Waste name: Polychlorinated biphenyls and material containing PCB's
  
- . Waste code: 271
- . Waste name: Organic monomer waste (includes unreacted resins)
  
- . Waste code: 272
- . Waste name: Polymeric resin waste
  
- . Waste code: 281
- . Waste name: Adhesives
  
- . Waste code: 291
- . Waste name: Latex waste
  
- . Waste code: 311
- . Waste name: Pharmaceutical waste
  
- . Waste code: 321
- . Waste name: Sewage sludge
  
- . Waste code: 322
- . Waste name: Biological waste other than sewage sludge
  
- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics
  
- . Waste code: 341
- . Waste name: Organic liquids (nonsolvents) with halogens
  
- . Waste code: 342
- . Waste name: Organic liquids with metals (see 121)
  
- . Waste code: 343
- . Waste name: Unspecified organic liquid mixture
  
- . Waste code: 351
- . Waste name: Organic solids with halogens
  
- . Waste code: 352
- . Waste name: Other organic solids
  
- . Waste code: 451
- . Waste name: Degreasing sludge
  
- . Waste code: 461
- . Waste name: Degreasing sludge
  
- . Waste code: 491
- . Waste name: Unspecified sludge waste
  
- . Waste code: 511
- . Waste name: Empty pesticide containers 30 gallons or more

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste code: 512
- . Waste name: Other empty containers 30 gallons or more
  
- . Waste code: 513
- . Waste name: Empty containers less than 30 gallons
  
- . Waste code: 541
- . Waste name: Photochemicals / photo processing waste
  
- . Waste code: 551
- . Waste name: Laboratory waste chemicals
  
- . Waste code: 561
- . Waste name: Detergent and soap
  
- . Waste code: 581
- . Waste name: Gas scrubber waste
  
- . Waste code: 611
- . Waste name: Contaminated soil from site clean-ups
  
- . Waste code: 612
- . Waste name: Household waste
  
- . Waste code: 614
- . Waste name: Treated wood waste
  
- . Waste code: 711
- . Waste name: Liquids with cyanides > 1000 mg/l
  
- . Waste code: 721
- . Waste name: Liquids with arsenic > 500 mg/l
  
- . Waste code: 722
- . Waste name: Liquids with cadmium > 100 mg/l
  
- . Waste code: 723
- . Waste name: Liquids with chromium (VI) > 500 mg/l
  
- . Waste code: 724
- . Waste name: Liquids with lead > 500 mg/l
  
- . Waste code: 725
- . Waste name: Liquids with mercury > 20 mg/l
  
- . Waste code: 726
- . Waste name: Liquids with nickel > 134 mg/l
  
- . Waste code: 727
- . Waste name: Liquids with selenium > 100 mg/l
  
- . Waste code: 728
- . Waste name: Liquids with thallium > 130 mg/l
  
- . Waste code: 731
- . Waste name: Liquids with polychlorinated biphenyls > 50 mg/l

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste code: 741
- . Waste name: Liquids with halogenated organic compounds > 1000 mg/l
  
- . Waste code: 751
- . Waste name: Solids or sludge with halogenated organic comp. > 1000 mg/kg
  
- . Waste code: 791
- . Waste name: Liquids with pH < 2
  
- . Waste code: 792
- . Waste name: Liquids with pH < 2 with metals
  
- . Waste code: 801
- . Waste name: Waste potentially containing dioxins
  
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D004
- . Waste name: ARSENIC
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D012
- . Waste name: ENDRIN  
(1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN  
DO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
  
- . Waste code: D013
- . Waste name: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
  
- . Waste code: D014

Map ID  
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MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste name: METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
- . Waste code: D015
- . Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT CHLORINE)
- . Waste code: D016
- . Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
- . Waste code: D017
- . Waste name: 2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D019
- . Waste name: CARBON TETRACHLORIDE
- . Waste code: D020
- . Waste name: CHLORDANE
- . Waste code: D021
- . Waste name: CHLOROBENZENE
- . Waste code: D022
- . Waste name: CHLOROFORM
- . Waste code: D023
- . Waste name: O-CRESOL
- . Waste code: D024
- . Waste name: M-CRESOL
- . Waste code: D025
- . Waste name: P-CRESOL
- . Waste code: D026
- . Waste name: CRESOL
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
- . Waste code: D031
- . Waste name: HEPTACHLOR (AND ITS EPOXIDE)
- . Waste code: D032
- . Waste name: HEXACHLOROBENZENE

Map ID  
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MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D037
- . Waste name: PENTACHLOROPHENOL
  
- . Waste code: D038
- . Waste name: PYRIDINE
  
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
  
- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: 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 F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F003
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL

MAP FINDINGS

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F005
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F006
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
  
- . Waste code: F027
- . Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)
  
- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
  
- . Waste code: P003
- . Waste name: 2-PROPENAL (OR) ACROLEIN
  
- . Waste code: P005
- . Waste name: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL
  
- . Waste code: P012
- . Waste name: ARSENIC OXIDE AS2O3 (OR) ARSENIC TRIOXIDE

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

. Waste code: P014  
. Waste name: BENZENETHIOL (OR) THIOPHENOL

. Waste code: P027  
. Waste name: 3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO-

. Waste code: P028  
. Waste name: BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE

. Waste code: P029  
. Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)

. Waste code: P030  
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P031  
. Waste name: CYANOGEN (OR) ETHANEDINITRILE

. Waste code: P033  
. Waste name: CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL

. Waste code: P037  
. Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,  
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,  
2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN

. Waste code: P047  
. Waste name: 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, &  
SALTS

. Waste code: P048  
. Waste name: 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO-

. Waste code: P050  
. Waste name: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,  
9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

. Waste code: P051  
. Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,  
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,  
2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES  
(OR) ENDRIN (OR) ENDRIN, & METABOLITES

. Waste code: P056  
. Waste name: FLUORINE

. Waste code: P059  
. Waste name: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-  
(OR) HEPTACHLOR

. Waste code: P063  
. Waste name: HYDROCYANIC ACID (OR) HYDROGEN CYANIDE

. Waste code: P068  
. Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

. Waste code: P073



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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

. Waste name: NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO)<sub>4</sub>, (T-4)-  
. Waste code: P077  
. Waste name: BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE  
. Waste code: P078  
. Waste name: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO<sub>2</sub>  
. Waste code: P098  
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)  
. Waste code: P104  
. Waste name: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)  
. Waste code: P105  
. Waste name: SODIUM AZIDE  
. Waste code: U001  
. Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)  
. Waste code: U002  
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)  
. Waste code: U003  
. Waste name: ACETONITRILE (I,T)  
. Waste code: U004  
. Waste name: ACETOPHENONE (OR) ETHANONE, 1-PHENYL-  
. Waste code: U007  
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE  
. Waste code: U008  
. Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)  
. Waste code: U009  
. Waste name: 2-PROPENITRILE (OR) ACRYLONITRILE  
. Waste code: U012  
. Waste name: ANILINE (I,T) (OR) BENZENAMINE (I,T)  
. Waste code: U019  
. Waste name: BENZENE (I,T)  
. Waste code: U029  
. Waste name: METHANE, BROMO- (OR) METHYL BROMIDE  
. Waste code: U031  
. Waste name: 1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)  
. Waste code: U034  
. Waste name: ACETALDEHYDE, TRICHLORO- (OR) CHLORAL  
. Waste code: U037  
. Waste name: BENZENE, CHLORO- (OR) CHLOROBENZENE  
. Waste code: U041

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

. Waste name: EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-  
. Waste code: U042  
. Waste name: 2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)-  
. Waste code: U044  
. Waste name: CHLOROFORM (OR) METHANE, TRICHLORO-  
. Waste code: U045  
. Waste name: METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T)  
. Waste code: U048  
. Waste name: O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO-  
. Waste code: U053  
. Waste name: 2-BUTENAL (OR) CROTONALDEHYDE  
. Waste code: U056  
. Waste name: BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)  
. Waste code: U057  
. Waste name: CYCLOHEXANONE (I)  
. Waste code: U060  
. Waste name: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD  
. Waste code: U061  
. Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT  
. Waste code: U066  
. Waste name: 1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO-  
. Waste code: U067  
. Waste name: ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE  
. Waste code: U068  
. Waste name: METHANE, DIBROMO- (OR) METHYLENE BROMIDE  
. Waste code: U069  
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE  
. Waste code: U070  
. Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE  
. Waste code: U071  
. Waste name: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE  
. Waste code: U072  
. Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE  
. Waste code: U074  
. Waste name: 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T)  
. Waste code: U076  
. Waste name: ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE  
. Waste code: U077

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

. Waste name:	ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE
. Waste code:	U078
. Waste name:	1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-
. Waste code:	U080
. Waste name:	METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
. Waste code:	U081
. Waste name:	2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-
. Waste code:	U084
. Waste name:	1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO-
. Waste code:	U085
. Waste name:	1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE
. Waste code:	U098
. Waste name:	1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
. Waste code:	U101
. Waste name:	2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-
. Waste code:	U103
. Waste name:	DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER
. Waste code:	U108
. Waste name:	1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
. Waste code:	U112
. Waste name:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
. Waste code:	U121
. Waste name:	METHANE, TRICHLOROFLUORO- (OR) TRICHLOROMONOFUOROMETHANE
. Waste code:	U122
. Waste name:	FORMALDEHYDE
. Waste code:	U123
. Waste name:	FORMIC ACID (C,T)
. Waste code:	U128
. Waste name:	1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE
. Waste code:	U129
. Waste name:	CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE
. Waste code:	U131
. Waste name:	ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE
. Waste code:	U133
. Waste name:	HYDRAZINE (R,T)
. Waste code:	U134
. Waste name:	HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

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MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste code: U135
- . Waste name: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S
  
- . Waste code: U138
- . Waste name: METHANE, IODO- (OR) METHYL IODIDE
  
- . Waste code: U140
- . Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)
  
- . Waste code: U144
- . Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE
  
- . Waste code: U147
- . Waste name: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE
  
- . Waste code: U149
- . Waste name: MALONONITRILE (OR) PROPANEDINITRILE
  
- . Waste code: U150
- . Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN
  
- . Waste code: U151
- . Waste name: MERCURY
  
- . Waste code: U152
- . Waste name: 2-PROPENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T)
  
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
  
- . Waste code: U159
- . Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
  
- . Waste code: U161
- . Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-
  
- . Waste code: U162
- . Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)
  
- . Waste code: U165
- . Waste name: NAPHTHALENE
  
- . Waste code: U169
- . Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)
  
- . Waste code: U170
- . Waste name: P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U172
- . Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE
  
- . Waste code: U182

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

. Waste name:	1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE
. Waste code:	U184
. Waste name:	ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE
. Waste code:	U188
. Waste name:	PHENOL
. Waste code:	U194
. Waste name:	1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T)
. Waste code:	U196
. Waste name:	PYRIDINE
. Waste code:	U208
. Waste name:	1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO-
. Waste code:	U209
. Waste name:	1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO-
. Waste code:	U210
. Waste name:	ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE
. Waste code:	U211
. Waste name:	CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-
. Waste code:	U213
. Waste name:	FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)
. Waste code:	U219
. Waste name:	THIOUREA
. Waste code:	U220
. Waste name:	BENZENE, METHYL- (OR) TOLUENE
. Waste code:	U221
. Waste name:	BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE
. Waste code:	U222
. Waste name:	BENZENAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE
. Waste code:	U223
. Waste name:	BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)
. Waste code:	U226
. Waste name:	ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM
. Waste code:	U227
. Waste name:	1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-
. Waste code:	U228
. Waste name:	ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
. Waste code:	U239
. Waste name:	BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
. Waste code:	U359

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Waste name: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

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 PENSKEY-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.

Amount (Lbs): 119485

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.

Amount (Lbs): 5089900

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.

Amount (Lbs): 83

Waste code: D004

Waste name: ARSENIC

Amount (Lbs): 1315

Waste code: D005

Waste name: BARIUM

Amount (Lbs): 31611

Waste code: D006

Waste name: CADMIUM

Amount (Lbs): 39576

Waste code: D007

Waste name: CHROMIUM

Amount (Lbs): 64624

Waste code: D008

Waste name: LEAD

Amount (Lbs): 58978

Waste code: D010

Waste name: SELENIUM

Amount (Lbs): 15200

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Waste code: D011  
Waste name: SILVER  
Amount (Lbs): 7658

Waste code: D018  
Waste name: BENZENE  
Amount (Lbs): 115711

Waste code: D019  
Waste name: CARBON TETRACHLORIDE  
Amount (Lbs): 1261

Waste code: D020  
Waste name: CHLORDANE  
Amount (Lbs): 0

Waste code: D022  
Waste name: CHLOROFORM  
Amount (Lbs): 1261

Waste code: D027  
Waste name: 1,4-DICHLOROBENZENE  
Amount (Lbs): 0

Waste code: D035  
Waste name: METHYL ETHYL KETONE  
Amount (Lbs): 31493

Waste code: D039  
Waste name: TETRACHLOROETHYLENE  
Amount (Lbs): 5632

Waste code: D040  
Waste name: TRICHLOROETHYLENE  
Amount (Lbs): 4261

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.  
Amount (Lbs): 0

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.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Amount (Lbs):	21669
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.
Amount (Lbs):	5763
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.
Amount (Lbs):	27585
Waste code:	P012
Waste name:	ARSENIC OXIDE AS2O3
Amount (Lbs):	0
Waste code:	P105
Waste name:	SODIUM AZIDE
Amount (Lbs):	0
Waste code:	U001
Waste name:	ACETALDEHYDE (I)
Amount (Lbs):	0
Waste code:	U002
Waste name:	ACETONE (I)
Amount (Lbs):	0
Waste code:	U003
Waste name:	ACETONITRILE (I,T)
Amount (Lbs):	0
Waste code:	U031
Waste name:	1-BUTANOL (I)
Amount (Lbs):	0
Waste code:	U034
Waste name:	ACETALDEHYDE, TRICHLORO-
Amount (Lbs):	0
Waste code:	U041
Waste name:	EPICHLOROHYDRIN
Amount (Lbs):	0



Map ID  
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Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Waste code:	U044
Waste name:	CHLOROFORM
Amount (Lbs):	0
Waste code:	U056
Waste name:	BENZENE, HEXAHYDRO- (I)
Amount (Lbs):	0
Waste code:	U057
Waste name:	CYCLOHEXANONE (I)
Amount (Lbs):	0
Waste code:	U070
Waste name:	BENZENE, 1,2-DICHLORO-
Amount (Lbs):	0
Waste code:	U080
Waste name:	METHANE, DICHLORO-
Amount (Lbs):	0
Waste code:	U122
Waste name:	FORMALDEHYDE
Amount (Lbs):	0
Waste code:	U128
Waste name:	1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO-
Amount (Lbs):	0
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Amount (Lbs):	7
Waste code:	U134
Waste name:	HYDROFLUORIC ACID (C,T)
Amount (Lbs):	2
Waste code:	U140
Waste name:	ISOBUTYL ALCOHOL (I,T)
Amount (Lbs):	0
Waste code:	U144
Waste name:	ACETIC ACID, LEAD(2+) SALT
Amount (Lbs):	0
Waste code:	U154
Waste name:	METHANOL (I)
Amount (Lbs):	0
Waste code:	U159
Waste name:	2-BUTANONE (I,T)
Amount (Lbs):	0
Waste code:	U182
Waste name:	PARALDEHYDE
Amount (Lbs):	0
Waste code:	U188

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Waste name: PHENOL  
Amount (Lbs): 0

Waste code: U226  
Waste name: ETHANE, 1,1,1-TRICHLORO-  
Amount (Lbs): 0

Waste code: U228  
Waste name: ETHENE, TRICHLORO-  
Amount (Lbs): 0

Waste code: U239  
Waste name: BENZENE, DIMETHYL- (I,T)  
Amount (Lbs): 14

**Corrective Action Summary:**

Event date: 1984-04-01 00:00:00.0  
Event: PA OR CERCLA INSPECTION

Event date: 1986-10-01 00:00:00.0  
Event: LEAD AGENCY DETERMINATION

Event date: 1986-10-01 00:00:00.0  
Event: PA OR CERCLA INSPECTION

Event date: 1986-11-01 00:00:00.0  
Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 1986-11-01 00:00:00.0  
Event: PA OR CERCLA INSPECTION

Event date: 1990-09-24 00:00:00.0  
Event: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT

Event date: 1990-09-24 00:00:00.0  
Event: STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT

Event date: 1990-09-24 00:00:00.0  
Event: INVESTIGATION IMPOSITION

Event date: 1990-09-24 00:00:00.0  
Event: CMS IMPOSITION

Event date: 1991-05-01 00:00:00.0  
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 1993-09-01 00:00:00.0  
Event: RFA COMPLETED-ASSESSMENT WAS A RFA

Event date: 1993-09-01 00:00:00.0  
Event: RFA COMPLETED

Event date: 1993-09-01 00:00:00.0  
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Map ID  
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MAP FINDINGS

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Database(s)

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Event date:	1994-08-19 00:00:00.0
Event:	REFERRED TO A NON-RCRA AUTHORITY-REFERRED TO CERCLA
Event date:	1994-08-19 00:00:00.0
Event:	CA PRIORITIZATION-MEDIUM CA PRIORITY
Event date:	1996-04-01 00:00:00.0
Event:	INVESTIGATION COMPLETE
Event date:	1997-12-01 00:00:00.0
Event:	STABILIZATION CONSTRUCTION COMPLETED
Event date:	1998-04-06 00:00:00.0
Event:	STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY
Event date:	1998-04-06 00:00:00.0
Event:	REFERRED TO A NON-RCRA AUTHORITY
Event date:	1998-04-06 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	1998-04-06 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	1998-04-06 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	1998-04-06 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	2000-05-22 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Event date:	2000-05-22 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Event date:	2000-05-22 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Event date:	2000-05-22 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED
Event date:	2002-06-18 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2002-06-18 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2004-08-03 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Event date:	2004-08-03 00:00:00.0

Map ID  
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MAP FINDINGS

Site

Database(s)

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: TSD IS-General  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2017-12-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2017-11-16 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: HW Management System - Definitions  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2014-11-20 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2014-11-20 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: State Statute or Regulation  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2019-12-04 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2019-12-03 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: TSD - Manifest/Records/Reporting  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2018-12-04 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2018-11-26 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: State Statute or Regulation  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: Not reported  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2019-12-03 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: State Statute or Regulation  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2018-12-04 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2018-11-26 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Universal Waste - General  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2017-11-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2017-11-16 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Generators - Imports  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2017-11-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2017-11-16 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Paid penalty amount: Not reported

Regulation violated: F - 270  
Area of violation: TSD - General  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1989-02-09 00:00:00.0  
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: F - 264.90-94.F  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 264.90-94.F  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL  
Enforcement action date: 1988-08-21 00:00:00.0  
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: F - 264.90-94.F  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1989-02-09 00:00:00.0  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Regulation violated: F - 270  
Area of violation: TSD - General  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1993-06-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1993-04-29 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 2200  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1993-06-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1993-04-29 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 2200  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 270  
Area of violation: TSD - General  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL  
Enforcement action date: 1988-08-21 00:00:00.0  
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 - 264.50-56.D

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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 - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1990-10-04 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1990-08-09 00:00:00.0  
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 - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1993-01-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1993-04-29 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 2200  
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: 2003-01-10 17:16:17.0  
Date achieved compliance: 1994-08-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1994-05-12 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 4700  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Date violation determined: 2003-01-10 17:16:17.0  
Date achieved compliance: 1994-08-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1994-05-12 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 4700  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 268.7  
Area of violation: LDR - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1991-08-20 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 2003-01-10 17:16:17.0  
Date achieved compliance: 1994-08-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1994-05-12 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 4700  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1991-08-20 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1989-09-28 00:00:00.0  
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: F - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

1000155217

Date achieved compliance: 1990-10-04 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1993-06-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1993-04-29 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 2200  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 268.7  
Area of violation: LDR - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1991-08-20 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1989-09-28 00:00:00.0  
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 - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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: F - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1990-10-04 00:00:00.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1989-09-28 00:00:00.0  
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 - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 2003-01-10 17:16:17.0  
Date achieved compliance: 1994-08-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1994-05-12 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 4700  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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 - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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: F - 264.140-150.H  
Area of violation: TSD - Financial Requirements  
Date violation determined: 2003-01-10 17:16:15.0  
Date achieved compliance: 1987-03-25 00:00:00.0  
Violation lead agency: EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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 - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1993-01-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1992-11-08 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 9000  
Final penalty amount: 9000  
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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: F - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1991-08-20 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1987-03-25 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

**Evaluation Action Summary:**

Evaluation date: 2019-12-03 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: State Statute or Regulation  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2019-12-03 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: State Statute or Regulation  
Date achieved compliance: 2019-12-04 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2018-11-26 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: State Statute or Regulation  
Date achieved compliance: 2018-12-04 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2018-11-26 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Manifest/Records/Reporting  
Date achieved compliance: 2018-12-04 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2017-11-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD IS-General  
Date achieved compliance: 2017-12-15 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2017-11-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Imports  
Date achieved compliance: 2017-11-16 00:00:00.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Evaluation lead agency: State

Evaluation date: 2017-11-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2017-11-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Universal Waste - General  
Date achieved compliance: 2017-11-16 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2016-12-20 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2016-06-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2014-11-18 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: HW Management System - Definitions  
Date achieved compliance: 2014-11-20 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2013-12-10 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2013-04-16 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2012-04-02 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2011-04-12 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2009-09-30 00:00:00.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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

Evaluation date: 2008-11-19 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2008-03-04 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2007-02-07 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2005-12-12 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2004-09-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2003-11-19 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2002-11-20 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2001-11-06 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2001-06-13 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Evaluation lead agency: State

Evaluation date: 2000-06-27 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1999-02-16 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1998-02-04 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1997-02-18 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1996-02-05 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1995-04-06 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 1995-04-06 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1994-04-06 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 1994-04-05 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1994-08-16 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1994-04-05 00:00:00.0



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 1994-08-16 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1994-04-05 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 1994-08-16 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1993-03-30 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1993-06-15 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1993-03-30 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 1993-06-15 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1992-11-08 00:00:00.0  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: TSD - General  
Date achieved compliance: 1993-01-15 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1992-02-19 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1992-01-17 00:00:00.0  
Evaluation: NOT A SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 1991-10-10 00:00:00.0  
Evaluation: SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 1991-08-20 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 1992-01-17 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1991-08-20 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1990-10-04 00:00:00.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Evaluation lead agency: EPA

Evaluation date: 1991-08-20 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1992-01-17 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1989-08-02 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1990-10-04 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1989-08-02 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 1991-08-20 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1989-01-23 00:00:00.0  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: TSD - General  
Date achieved compliance: 1990-10-04 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1988-03-24 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1988-08-21 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1988-03-24 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD IS-Ground-Water Monitoring  
Date achieved compliance: 1988-08-21 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1987-03-25 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1987-02-23 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 1987-03-25 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1987-02-23 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1987-03-25 00:00:00.0  
Evaluation lead agency: EPA

**RCRA-LQG:**

Date form received by agency: 2018-10-19 00:00:00.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Facility name: EDWARDS AIR FORCE BASE  
Facility address: 446 N. ROSAMOND BLVD BLDG 4916  
EDWARDS, CA 93524-1130  
EPA ID: CA1570024504  
Mailing address: NORTH ROSAMOND BLVD, STE A  
BLDG 3735  
EDWARDS, CA 93524  
Contact: D MALAMA CHOCK  
Contact address: NORTH ROSAMOND BLVD, STE A BLDG 3735  
EDWARDS, CA 93524  
Contact country: US  
Contact telephone: 661-277-3454  
Contact email: D\_MALAMA.CHOCK@US.AF.MIL  
EPA Region: 09  
Land type: Federal  
Classification: TSDF  
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

**Owner/Operator Summary:**

Owner/operator name: EDWARDS AIR FORCE BASE  
Owner/operator address: N. ROSAMOND BLVD BLDG 4916  
EDWARDS, CA 93524  
Owner/operator country: US  
Owner/operator telephone: 661-277-3454  
Owner/operator email: D\_MALAMA.CHOCK@US.AF.MIL  
Owner/operator fax: 661-277-1460  
Owner/operator extension: Not reported  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 1950-01-01 00:00:00.  
Owner/Op end date: Not reported  
Owner/operator name: EDWARDS AIR FORCE BASE  
Owner/operator address: NORTH ROSAMOND BLVD, STE A BLDG 3735  
EDWARDS, CA 93524  
Owner/operator country: US  
Owner/operator telephone: 661-277-3454  
Owner/operator email: D\_MALAMA.CHOCK@US.AF.MIL  
Owner/operator fax: 661-277-1460  
Owner/operator extension: Not reported  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 1950-01-01 00:00:00.

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: Yes  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: Yes  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Universal Waste Summary:

Waste type: C  
Accumulated waste on-site: No  
Generated waste on-site: Yes

Waste type: Batteries  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: Thermostats  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: Lamps  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: E  
Accumulated waste on-site: No  
Generated waste on-site: Yes

Historical Generators:

Date form received by agency: 2016-02-29 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2014-03-01 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2012-09-11 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2010-07-13 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Date form received by agency: 2008-02-29 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2006-02-15 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2004-02-26 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2002-03-29 00:00:00.0  
Site name: EDWARDS AIRFORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 2000-10-12 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 1999-03-04 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 1998-02-02 00:00:00.0  
Site name: USAF EDWARDS AFB  
Classification: Large Quantity Generator

Date form received by agency: 1996-09-01 00:00:00.0  
Site name: USAF EDWARDS AFB  
Classification: Large Quantity Generator

Date form received by agency: 1996-03-27 00:00:00.0  
Site name: USAF EDWARDS  
Classification: Large Quantity Generator

Date form received by agency: 1994-03-29 00:00:00.0  
Site name: USAF FLIGHT TEST CTR EDWARDS AFB  
Classification: Large Quantity Generator

Date form received by agency: 1992-04-25 00:00:00.0  
Site name: EDWARDS AIR FORCE BASE  
Classification: Large Quantity Generator

Date form received by agency: 1990-04-27 00:00:00.0  
Site name: EDWARDS AFB/ EXPLOSIVE ORDINACE  
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0  
Site name: USAF EDWARDS AFB  
Classification: Large Quantity Generator

Date form received by agency: 1980-08-18 00:00:00.0  
Site name: USAF EDWARDS AFB  
Classification: Large Quantity Generator

MAP FINDINGS

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Hazardous Waste Summary:

- . Waste code: 121
- . Waste name: Alkaline solution (pH >12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
  
- . Waste code: 122
- . Waste name: Alkaline solution without metals (pH > 12.5)
  
- . Waste code: 123
- . Waste name: Unspecified alkaline solution
  
- . Waste code: 131
- . Waste name: Aqueous solution (2 < pH < 12.5) containing reactive anions (azide, bromate, chlorate, cyanide, fluoride, hypochlorite, nitrite, perchlorate, and sulfide anions)
  
- . Waste code: 132
- . Waste name: Aqueous solution w/metals (< restricted levels and see waste code 121 for a list of metals)
  
- . Waste code: 133
- . Waste name: Aqueous solution with 10% or more total organic residues
  
- . Waste code: 134
- . Waste name: Aqueous solution with <10% total organic residues
  
- . Waste code: 135
- . Waste name: Unspecified aqueous solution
  
- . Waste code: 141
- . Waste name: Off-specification, aged, or surplus inorganics
  
- . Waste code: 151
- . Waste name: Asbestos-containing waste
  
- . Waste code: 162
- . Waste name: Other spent catalyst
  
- . Waste code: 171
- . Waste name: Metal sludge (see 121)
  
- . Waste code: 172
- . Waste name: Metal dust (see 121) and machining waste
  
- . Waste code: 181
- . Waste name: Other inorganic solid waste
  
- . Waste code: 211
- . Waste name: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
  
- . Waste code: 212
- . Waste name: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
  
- . Waste code: 213

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste name: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
- . Waste code: 214
- . Waste name: Unspecified solvent mixture
- . Waste code: 221
- . Waste name: Waste oil and mixed oil
- . Waste code: 222
- . Waste name: Oil/water separation sludge
- . Waste code: 223
- . Waste name: Unspecified oil-containing waste
- . Waste code: 241
- . Waste name: Tank bottom waste
- . Waste code: 251
- . Waste name: Still bottoms with halogenated organics
- . Waste code: 252
- . Waste name: Other still bottom waste
- . Waste code: 261
- . Waste name: Polychlorinated biphenyls and material containing PCB's
- . Waste code: 271
- . Waste name: Organic monomer waste (includes unreacted resins)
- . Waste code: 272
- . Waste name: Polymeric resin waste
- . Waste code: 281
- . Waste name: Adhesives
- . Waste code: 291
- . Waste name: Latex waste
- . Waste code: 311
- . Waste name: Pharmaceutical waste
- . Waste code: 321
- . Waste name: Sewage sludge
- . Waste code: 322
- . Waste name: Biological waste other than sewage sludge
- . Waste code: 331
- . Waste name: Off-specification, aged, or surplus organics
- . Waste code: 341
- . Waste name: Organic liquids (nonsolvents) with halogens
- . Waste code: 342
- . Waste name: Organic liquids with metals (see 121)
- . Waste code: 343

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste code: 351
- . Waste name: Unspecified organic liquid mixture
- . Waste code: 352
- . Waste name: Organic solids with halogens
- . Waste code: 451
- . Waste name: Other organic solids
- . Waste code: 461
- . Waste name: Degreasing sludge
- . Waste code: 491
- . Waste name: Degreasing sludge
- . Waste code: 511
- . Waste name: Unspecified sludge waste
- . Waste code: 512
- . Waste name: Empty pesticide containers 30 gallons or more
- . Waste code: 513
- . Waste name: Other empty containers 30 gallons or more
- . Waste code: 541
- . Waste name: Empty containers less than 30 gallons
- . Waste code: 551
- . Waste name: Photochemicals / photo processing waste
- . Waste code: 561
- . Waste name: Laboratory waste chemicals
- . Waste code: 581
- . Waste name: Detergent and soap
- . Waste code: 611
- . Waste name: Gas scrubber waste
- . Waste code: 612
- . Waste name: Contaminated soil from site clean-ups
- . Waste code: 614
- . Waste name: Household waste
- . Waste code: 711
- . Waste name: Treated wood waste
- . Waste code: 721
- . Waste name: Liquids with cyanides > 1000 mg/l
- . Waste code: 722
- . Waste name: Liquids with arsenic > 500 mg/l
- . Waste code: 723
- . Waste name: Liquids with cadmium > 100 mg/l



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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste name: Liquids with chromium (VI) > 500 mg/l
- . Waste code: 724
- . Waste name: Liquids with lead > 500 mg/l
- . Waste code: 725
- . Waste name: Liquids with mercury > 20 mg/l
- . Waste code: 726
- . Waste name: Liquids with nickel > 134 mg/l
- . Waste code: 727
- . Waste name: Liquids with selenium > 100 mg/l
- . Waste code: 728
- . Waste name: Liquids with thallium > 130 mg/l
- . Waste code: 731
- . Waste name: Liquids with polychlorinated biphenyls > 50 mg/l
- . Waste code: 741
- . Waste name: Liquids with halogenated organic compounds > 1000 mg/l
- . Waste code: 751
- . Waste name: Solids or sludge with halogenated organic comp. > 1000 mg/kg
- . Waste code: 791
- . Waste name: Liquids with pH < 2
- . Waste code: 792
- . Waste name: Liquids with pH < 2 with metals
- . Waste code: 801
- . Waste name: Waste potentially containing dioxins
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE 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

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste name: LEAD
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D012
- . Waste name: ENDRIN  
(1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN  
DO, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)
- . Waste code: D013
- . Waste name: LINDANE (1,2,3,4,5,6-HEXA-CHLOROCYCLOHEXANE, GAMMA ISOMER)
- . Waste code: D014
- . Waste name: METHOXYCHLOR (1,1,1-TRICHLORO-2,2-BIS [P-METHOXYPHENYL] ETHANE)
- . Waste code: D015
- . Waste name: TOXAPHENE (C10 H10 CL8, TECHNICAL CHLORINATED CAMPHENE, 67-69 PERCENT  
CHLORINE)
- . Waste code: D016
- . Waste name: 2,4-D (2,4-DICHLOROPHENOXYACETIC ACID)
- . Waste code: D017
- . Waste name: 2,4,5-TP SILVEX (2,4,5-TRICHLOROPHENOXYPROPIONIC ACID)
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D019
- . Waste name: CARBON TETRACHLORIDE
- . Waste code: D020
- . Waste name: CHLORDANE
- . Waste code: D021
- . Waste name: CHLORO BENZENE
- . Waste code: D022
- . Waste name: CHLOROFORM
- . Waste code: D023
- . Waste name: O-CRESOL
- . Waste code: D024
- . Waste name: M-CRESOL
- . Waste code: D025
- . Waste name: P-CRESOL
- . Waste code: D026

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste name: CRESOL
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
- . Waste code: D031
- . Waste name: HEPTACHLOR (AND ITS EPOXIDE)
- . Waste code: D032
- . Waste name: HEXACHLOROBENZENE
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D036
- . Waste name: NITROBENZENE
- . Waste code: D037
- . Waste name: PENTACHLOROPHENOL
- . Waste code: D038
- . Waste name: PYRIDINE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:  
TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,  
1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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 F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

. Waste code: F004  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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

. Waste code: F006  
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F027

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)
- . Waste code: P001
- . Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3% (OR) WARFARIN, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
- . Waste code: P003
- . Waste name: 2-PROPENAL (OR) ACROLEIN
- . Waste code: P005
- . Waste name: 2-PROPEN-1-OL (OR) ALLYL ALCOHOL
- . Waste code: P012
- . Waste name: ARSENIC OXIDE AS<sub>2</sub>O<sub>3</sub> (OR) ARSENIC TRIOXIDE
- . Waste code: P014
- . Waste name: BENZENETHIOL (OR) THIOPHENOL
- . Waste code: P027
- . Waste name: 3-CHLOROPROPIONITRILE (OR) PROPANENITRILE, 3-CHLORO-
- . Waste code: P028
- . Waste name: BENZENE, (CHLOROMETHYL)- (OR) BENZYL CHLORIDE
- . Waste code: P029
- . Waste name: COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)
- . Waste code: P030
- . Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED
- . Waste code: P031
- . Waste name: CYANOGEN (OR) ETHANEDINITRILE
- . Waste code: P033
- . Waste name: CYANOGEN CHLORIDE (OR) CYANOGEN CHLORIDE (CN)CL
- . Waste code: P037
- . Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA, 2BETA, 2AALPHA, 3BETA, 6BETA, 6AALPHA, 7BETA, 7AALPHA)- (OR) DIELDRIN
- . Waste code: P047
- . Waste name: 4,6-DINITRO-O-CRESOL, & SALTS (OR) PHENOL, 2-METHYL-4,6-DINITRO-, & SALTS
- . Waste code: P048
- . Waste name: 2,4-DINITROPHENOL (OR) PHENOL, 2,4-DINITRO-
- . Waste code: P050
- . Waste name: 6,9-METHANO-2,4,3-BENZODIOXATHIEPIN,6,7,8,9,10,10-HEXACHLORO-1,5,5A,6,9,9A-HEXAHYDRO-,3-OXIDE (OR) ENDOSULFAN

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

. Waste code: P051  
. Waste name: 2,7:3,6-DIMETHANONAPHTH[2,3-B]OXIRENE,  
3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,  
2BETA, 2ABETA, 3ALPHA, 6ALPHA, 6ABETA, 7BETA, 7AALPHA)- & METABOLITES  
(OR) ENDRIN (OR) ENDRIN, & METABOLITES

. Waste code: P056  
. Waste name: FLUORINE

. Waste code: P059  
. Waste name: 4,7-METHANO-1H-INDENE, 1,4,5,6,7,8,8-HEPTACHLORO-3A,4,7,7A-TETRAHYDRO-  
(OR) HEPTACHLOR

. Waste code: P063  
. Waste name: HYDROCYANIC ACID (OR) HYDROGEN CYANIDE

. Waste code: P068  
. Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

. Waste code: P073  
. Waste name: NICKEL CARBONYL (OR) NICKEL CARBONYL NI(CO)<sub>4</sub>, (T-4)-

. Waste code: P077  
. Waste name: BENZENAMINE, 4-NITRO- (OR) P-NITROANILINE

. Waste code: P078  
. Waste name: NITROGEN DIOXIDE (OR) NITROGEN OXIDE NO<sub>2</sub>

. Waste code: P098  
. Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

. Waste code: P104  
. Waste name: SILVER CYANIDE (OR) SILVER CYANIDE AG(CN)

. Waste code: P105  
. Waste name: SODIUM AZIDE

. Waste code: U001  
. Waste name: ACETALDEHYDE (I) (OR) ETHANAL (I)

. Waste code: U002  
. Waste name: 2-PROPANONE (I) (OR) ACETONE (I)

. Waste code: U003  
. Waste name: ACETONITRILE (I,T)

. Waste code: U004  
. Waste name: ACETOPHENONE (OR) ETHANONE, 1-PHENYL-

. Waste code: U007  
. Waste name: 2-PROPENAMIDE (OR) ACRYLAMIDE

. Waste code: U008  
. Waste name: 2-PROPENOIC ACID (I) (OR) ACRYLIC ACID (I)

. Waste code: U009  
. Waste name: 2-PROPENENITRILE (OR) ACRYLONITRILE

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

. Waste code:	U012
. Waste name:	ANILINE (I,T) (OR) BENZENAMINE (I,T)
. Waste code:	U019
. Waste name:	BENZENE (I,T)
. Waste code:	U029
. Waste name:	METHANE, BROMO- (OR) METHYL BROMIDE
. Waste code:	U031
. Waste name:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
. Waste code:	U034
. Waste name:	ACETALDEHYDE, TRICHLORO- (OR) CHLORAL
. Waste code:	U037
. Waste name:	BENZENE, CHLORO- (OR) CHLOROBENZENE
. Waste code:	U041
. Waste name:	EPICHLOROHYDRIN (OR) OXIRANE, (CHLOROMETHYL)-
. Waste code:	U042
. Waste name:	2-CHLOROETHYL VINYL ETHER (OR) ETHENE, (2-CHLOROETHOXY)-
. Waste code:	U044
. Waste name:	CHLOROFORM (OR) METHANE, TRICHLORO-
. Waste code:	U045
. Waste name:	METHANE, CHLORO- (I,T) (OR) METHYL CHLORIDE (I,T)
. Waste code:	U048
. Waste name:	O-CHLOROPHENOL (OR) PHENOL, 2-CHLORO-
. Waste code:	U053
. Waste name:	2-BUTENAL (OR) CROTONALDEHYDE
. Waste code:	U056
. Waste name:	BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
. Waste code:	U057
. Waste name:	CYCLOHEXANONE (I)
. Waste code:	U060
. Waste name:	BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDD
. Waste code:	U061
. Waste name:	BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO- (OR) DDT
. Waste code:	U066
. Waste name:	1,2-DIBROMO-3-CHLOROPROPANE (OR) PROPANE, 1,2-DIBROMO-3-CHLORO-
. Waste code:	U067
. Waste name:	ETHANE, 1,2-DIBROMO- (OR) ETHYLENE DIBROMIDE
. Waste code:	U068
. Waste name:	METHANE, DIBROMO- (OR) METHYLENE BROMIDE

Map ID  
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MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

. Waste code: U069  
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE

. Waste code: U070  
. Waste name: BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE

. Waste code: U071  
. Waste name: BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE

. Waste code: U072  
. Waste name: BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

. Waste code: U074  
. Waste name: 1,4-DICHLORO-2-BUTENE (I,T) (OR) 2-BUTENE, 1,4-DICHLORO- (I,T)

. Waste code: U076  
. Waste name: ETHANE, 1,1-DICHLORO- (OR) ETHYLIDENE DICHLORIDE

. Waste code: U077  
. Waste name: ETHANE, 1,2-DICHLORO- (OR) ETHYLENE DICHLORIDE

. Waste code: U078  
. Waste name: 1,1-DICHLOROETHYLENE (OR) ETHENE, 1,1-DICHLORO-

. Waste code: U080  
. Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE

. Waste code: U081  
. Waste name: 2,4-DICHLOROPHENOL (OR) PHENOL, 2,4-DICHLORO-

. Waste code: U084  
. Waste name: 1,3-DICHLOROPROPENE (OR) 1-PROPENE, 1,3-DICHLORO-

. Waste code: U085  
. Waste name: 1,2:3,4-DIEPOXYBUTANE (I,T) (OR) 2,2'-BIOXIRANE

. Waste code: U098  
. Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-

. Waste code: U101  
. Waste name: 2,4-DIMETHYLPHENOL (OR) PHENOL, 2,4-DIMETHYL-

. Waste code: U103  
. Waste name: DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER

. Waste code: U108  
. Waste name: 1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE

. Waste code: U112  
. Waste name: ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)

. Waste code: U121  
. Waste name: METHANE, TRICHLOROFLURO- (OR) TRICHLOROMONOFUOROMETHANE

. Waste code: U122  
. Waste name: FORMALDEHYDE



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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

. Waste code: U123  
. Waste name: FORMIC ACID (C,T)

. Waste code: U128  
. Waste name: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO- (OR) HEXACHLOROBUTADIENE

. Waste code: U129  
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA, 2ALPHA, 3BETA, 4ALPHA, 5ALPHA, 6BETA)- (OR) LINDANE

. Waste code: U131  
. Waste name: ETHANE, HEXACHLORO- (OR) HEXACHLOROETHANE

. Waste code: U133  
. Waste name: HYDRAZINE (R,T)

. Waste code: U134  
. Waste name: HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)

. Waste code: U135  
. Waste name: HYDROGEN SULFIDE (OR) HYDROGEN SULFIDE H2S

. Waste code: U138  
. Waste name: METHANE, IODO- (OR) METHYL IODIDE

. Waste code: U140  
. Waste name: 1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)

. Waste code: U144  
. Waste name: ACETIC ACID, LEAD(2+) SALT (OR) LEAD ACETATE

. Waste code: U147  
. Waste name: 2,5-FURANDIONE (OR) MALEIC ANHYDRIDE

. Waste code: U149  
. Waste name: MALONONITRILE (OR) PROPANEDINITRILE

. Waste code: U150  
. Waste name: L-PHENYLALANINE, 4-[BIS(2-CHLOROETHYL)AMINO]- (OR) MELPHALAN

. Waste code: U151  
. Waste name: MERCURY

. Waste code: U152  
. Waste name: 2-PROPENENITRILE, 2-METHYL- (I,T) (OR) METHACRYLONITRILE (I,T)

. Waste code: U154  
. Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

. Waste code: U159  
. Waste name: 2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)

. Waste code: U161  
. Waste name: 4-METHYL-2-PENTANONE (I) (OR) METHYL ISOBUTYL KETONE (I) (OR) PENTANOL, 4-METHYL-

. Waste code: U162

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MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

. Waste name: 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER (I,T) (OR) METHYL METHACRYLATE (I,T)

. Waste code: U165

. Waste name: NAPHTHALENE

. Waste code: U169

. Waste name: BENZENE, NITRO- (OR) NITROBENZENE (I,T)

. Waste code: U170

. Waste name: P-NITROPHENOL (I,T) (OR) PHENOL, 4-NITRO-

. Waste code: U171

. Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)

. Waste code: U172

. Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO- (OR) N-NITROSODI-N-BUTYLAMINE

. Waste code: U182

. Waste name: 1,3,5-TRIOXANE, 2,4,6-TRIMETHYL- (OR) PARALDEHYDE

. Waste code: U184

. Waste name: ETHANE, PENTACHLORO- (OR) PENTACHLOROETHANE

. Waste code: U188

. Waste name: PHENOL

. Waste code: U194

. Waste name: 1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T)

. Waste code: U196

. Waste name: PYRIDINE

. Waste code: U208

. Waste name: 1,1,1,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,1,2-TETRACHLORO-

. Waste code: U209

. Waste name: 1,1,2,2-TETRACHLOROETHANE (OR) ETHANE, 1,1,2,2-TETRACHLORO-

. Waste code: U210

. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

. Waste code: U211

. Waste name: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

. Waste code: U213

. Waste name: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

. Waste code: U219

. Waste name: THIOUREA

. Waste code: U220

. Waste name: BENZENE, METHYL- (OR) TOLUENE

. Waste code: U221

. Waste name: BENZENEDIAMINE, AR-METHYL- (OR) TOLUENEDIAMINE

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

- . Waste code: U222
- . Waste name: BENZAMINE, 2-METHYL-, HYDROCHLORIDE (OR) O-TOLUIDINE HYDROCHLORIDE
  
- . Waste code: U223
- . Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)
  
- . Waste code: U226
- . Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM
  
- . Waste code: U227
- . Waste name: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-
  
- . Waste code: U228
- . Waste name: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE
  
- . Waste code: U239
- . Waste name: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)
  
- . Waste code: U359
- . Waste name: ETHANOL, 2-ETHOXY- (OR) ETHYLENE GLYCOL MONOETHYL ETHER

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

- 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 PENSKEY-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.
- Amount (Lbs): 119485
  
- 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.
- Amount (Lbs): 5089900
  
- 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.
- Amount (Lbs): 83
  
- Waste code: D004
- Waste name: ARSENIC
- Amount (Lbs): 1315

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Waste code:	D005
Waste name:	BARIUM
Amount (Lbs):	31611
Waste code:	D006
Waste name:	CADMIUM
Amount (Lbs):	39576
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	64624
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	58978
Waste code:	D010
Waste name:	SELENIUM
Amount (Lbs):	15200
Waste code:	D011
Waste name:	SILVER
Amount (Lbs):	7658
Waste code:	D018
Waste name:	BENZENE
Amount (Lbs):	115711
Waste code:	D019
Waste name:	CARBON TETRACHLORIDE
Amount (Lbs):	1261
Waste code:	D020
Waste name:	CHLORDANE
Amount (Lbs):	0
Waste code:	D022
Waste name:	CHLOROFORM
Amount (Lbs):	1261
Waste code:	D027
Waste name:	1,4-DICHLOROBENZENE
Amount (Lbs):	0
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Amount (Lbs):	31493
Waste code:	D039
Waste name:	TETRACHLOROETHYLENE
Amount (Lbs):	5632
Waste code:	D040
Waste name:	TRICHLOROETHYLENE
Amount (Lbs):	4261
Waste code:	F001

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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.

Amount (Lbs): 0

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.

Amount (Lbs): 21669

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.

Amount (Lbs): 5763

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.

Amount (Lbs): 27585

Waste code: P012

Waste name: ARSENIC OXIDE AS2O3

Amount (Lbs): 0

Waste code: P105

Waste name: SODIUM AZIDE

Amount (Lbs): 0

Waste code: U001

Waste name: ACETALDEHYDE (I)

Amount (Lbs): 0

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Waste code:	U002
Waste name:	ACETONE (I)
Amount (Lbs):	0
Waste code:	U003
Waste name:	ACETONITRILE (I,T)
Amount (Lbs):	0
Waste code:	U031
Waste name:	1-BUTANOL (I)
Amount (Lbs):	0
Waste code:	U034
Waste name:	ACETALDEHYDE, TRICHLORO-
Amount (Lbs):	0
Waste code:	U041
Waste name:	EPICHLOROHYDRIN
Amount (Lbs):	0
Waste code:	U044
Waste name:	CHLOROFORM
Amount (Lbs):	0
Waste code:	U056
Waste name:	BENZENE, HEXAHYDRO- (I)
Amount (Lbs):	0
Waste code:	U057
Waste name:	CYCLOHEXANONE (I)
Amount (Lbs):	0
Waste code:	U070
Waste name:	BENZENE, 1,2-DICHLORO-
Amount (Lbs):	0
Waste code:	U080
Waste name:	METHANE, DICHLORO-
Amount (Lbs):	0
Waste code:	U122
Waste name:	FORMALDEHYDE
Amount (Lbs):	0
Waste code:	U128
Waste name:	1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO-
Amount (Lbs):	0
Waste code:	U133
Waste name:	HYDRAZINE (R,T)
Amount (Lbs):	7
Waste code:	U134
Waste name:	HYDROFLUORIC ACID (C,T)
Amount (Lbs):	2
Waste code:	U140

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Waste name: ISOBUTYL ALCOHOL (I,T)  
Amount (Lbs): 0

Waste code: U144  
Waste name: ACETIC ACID, LEAD(2+) SALT  
Amount (Lbs): 0

Waste code: U154  
Waste name: METHANOL (I)  
Amount (Lbs): 0

Waste code: U159  
Waste name: 2-BUTANONE (I,T)  
Amount (Lbs): 0

Waste code: U182  
Waste name: PARALDEHYDE  
Amount (Lbs): 0

Waste code: U188  
Waste name: PHENOL  
Amount (Lbs): 0

Waste code: U226  
Waste name: ETHANE, 1,1,1-TRICHLORO-  
Amount (Lbs): 0

Waste code: U228  
Waste name: ETHENE, TRICHLORO-  
Amount (Lbs): 0

Waste code: U239  
Waste name: BENZENE, DIMETHYL- (I,T)  
Amount (Lbs): 14

**Corrective Action Summary:**

Event date: 1984-04-01 00:00:00.0  
Event: PA OR CERCLA INSPECTION

Event date: 1986-10-01 00:00:00.0  
Event: LEAD AGENCY DETERMINATION

Event date: 1986-10-01 00:00:00.0  
Event: PA OR CERCLA INSPECTION

Event date: 1986-11-01 00:00:00.0  
Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 1986-11-01 00:00:00.0  
Event: PA OR CERCLA INSPECTION

Event date: 1990-09-24 00:00:00.0  
Event: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT

Event date: 1990-09-24 00:00:00.0

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Event:	STABILIZATION/INTERIM MEASURES DECISION-PRIMARY MEAS IS SOURCE REMOVL &/OR TRT
Event date:	1990-09-24 00:00:00.0
Event:	INVESTIGATION IMPOSITION
Event date:	1990-09-24 00:00:00.0
Event:	CMS IMPOSITION
Event date:	1991-05-01 00:00:00.0
Event:	RFA COMPLETED-ASSESSMENT WAS A RFA
Event date:	1993-09-01 00:00:00.0
Event:	RFA COMPLETED-ASSESSMENT WAS A RFA
Event date:	1993-09-01 00:00:00.0
Event:	RFA COMPLETED
Event date:	1993-09-01 00:00:00.0
Event:	DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Event date:	1994-08-19 00:00:00.0
Event:	REFERRED TO A NON-RCRA AUTHORITY-REFERRED TO CERCLA
Event date:	1994-08-19 00:00:00.0
Event:	CA PRIORITIZATION-MEDIUM CA PRIORITY
Event date:	1996-04-01 00:00:00.0
Event:	INVESTIGATION COMPLETE
Event date:	1997-12-01 00:00:00.0
Event:	STABILIZATION CONSTRUCTION COMPLETED
Event date:	1998-04-06 00:00:00.0
Event:	STABILIZATION MEASURES EVALUATION-FURTHER INVESTIGATION NECESSARY
Event date:	1998-04-06 00:00:00.0
Event:	REFERRED TO A NON-RCRA AUTHORITY
Event date:	1998-04-06 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	1998-04-06 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	1998-04-06 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	1998-04-06 00:00:00.0
Event:	HUMAN EXPOSURES CONTROLLED DETERMINATION-FACILITY DOES NOT MEET DEFINITION
Event date:	2000-05-22 00:00:00.0
Event:	RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED



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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Event date: 2000-05-22 00:00:00.0  
Event: RELEASE TO GW CONTROLLED DETERMINATION-MORE INFORMATION NEEDED

Event date: 2000-05-22 00:00:00.0  
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED

Event date: 2000-05-22 00:00:00.0  
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-MORE INFORMATION NEEDED

Event date: 2002-06-18 00:00:00.0  
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2002-06-18 00:00:00.0  
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2004-08-03 00:00:00.0  
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 2004-08-03 00:00:00.0  
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: TSD IS-General  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2017-12-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2017-11-16 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: HW Management System - Definitions  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2014-11-20 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2014-11-20 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: State Statute or Regulation  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2019-12-04 00:00:00.0  
Violation lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Enforcement action: Not reported  
Enforcement action date: 2019-12-03 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: TSD - Manifest/Records/Reporting  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2018-12-04 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2018-11-26 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: State Statute or Regulation  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: Not reported  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2019-12-03 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: State Statute or Regulation  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2018-12-04 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2018-11-26 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Universal Waste - General  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2017-11-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Enforcement action date: 2017-11-16 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Generators - Imports  
Date violation determined: 2020-03-16 10:58:02.0  
Date achieved compliance: 2017-11-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: 2017-11-16 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 270  
Area of violation: TSD - General  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1989-02-09 00:00:00.0  
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: F - 264.90-94.F  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 264.90-94.F  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL  
Enforcement action date: 1988-08-21 00:00:00.0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: F - 264.90-94.F  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1989-02-09 00:00:00.0  
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: F - 270  
Area of violation: TSD - General  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1993-06-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1993-04-29 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 2200  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1993-06-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1993-04-29 00:00:00.0  
Enf. disposition status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 2200  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 270  
Area of violation: TSD - General  
Date violation determined: 2014-09-16 00:00:00.0  
Date achieved compliance: 1988-08-21 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL  
Enforcement action date: 1988-08-21 00:00:00.0  
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 - 264.50-56.D  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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 - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1990-10-04 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1990-08-09 00:00:00.0  
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 - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1993-01-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1993-04-29 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Enforcement lead agency: State  
Proposed penalty amount: 2200  
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: 2003-01-10 17:16:17.0  
Date achieved compliance: 1994-08-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1994-05-12 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 4700  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:17.0  
Date achieved compliance: 1994-08-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1994-05-12 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 4700  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 268.7  
Area of violation: LDR - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1991-08-20 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 2003-01-10 17:16:17.0  
Date achieved compliance: 1994-08-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1994-05-12 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Proposed penalty amount: 4700  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1991-08-20 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1989-09-28 00:00:00.0  
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: F - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1990-10-04 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1993-06-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1993-04-29 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 2200  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 268.7  
Area of violation: LDR - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1991-08-20 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1989-09-28 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

1000155217

Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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: F - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1990-10-04 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1989-09-28 00:00:00.0  
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 - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 2003-01-10 17:16:17.0  
Date achieved compliance: 1994-08-16 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1994-05-12 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 4700  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 264.30-37.C  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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: F - 264.140-150.H  
Area of violation: TSD - Financial Requirements  
Date violation determined: 2003-01-10 17:16:15.0  
Date achieved compliance: 1987-03-25 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 262.50-60  
Area of violation: Generators - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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 - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1993-01-15 00:00:00.0  
Violation lead agency: State  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 1992-11-08 00:00:00.0  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: State  
Proposed penalty amount: 9000  
Final penalty amount: 9000  
Paid penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

1000155217

Regulation violated: FR - 264.170-177.1  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1992-01-17 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 1991-12-06 00:00:00.0  
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: F - 268 ALL  
Area of violation: LDR - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1991-08-20 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: F - 270  
Area of violation: TSD - General  
Date violation determined: 2003-01-10 17:16:16.0  
Date achieved compliance: 1987-03-25 00:00:00.0  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

**Evaluation Action Summary:**

Evaluation date: 2019-12-03 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: State Statute or Regulation  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2019-12-03 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: State Statute or Regulation  
Date achieved compliance: 2019-12-04 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2018-11-26 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Area of violation: State Statute or Regulation  
Date achieved compliance: 2018-12-04 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2018-11-26 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Manifest/Records/Reporting  
Date achieved compliance: 2018-12-04 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2017-11-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD IS-General  
Date achieved compliance: 2017-12-15 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2017-11-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Imports  
Date achieved compliance: 2017-11-16 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2017-11-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2017-11-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Universal Waste - General  
Date achieved compliance: 2017-11-16 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2016-12-20 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2016-06-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2014-11-18 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: HW Management System - Definitions  
Date achieved compliance: 2014-11-20 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 2013-12-10 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Evaluation date: 2013-04-16 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2012-04-02 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2011-04-12 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2009-09-30 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2008-11-19 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2008-03-04 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2007-02-07 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2005-12-12 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2004-09-14 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2003-11-19 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2002-11-20 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2001-11-06 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2001-06-13 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 2000-06-27 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1999-02-16 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1998-02-04 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1997-02-18 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1996-02-05 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1995-04-06 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Evaluation date: 1995-04-06 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1994-04-06 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 1994-04-05 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1994-08-16 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1994-04-05 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 1994-08-16 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1994-04-05 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 1994-08-16 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1993-03-30 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1993-06-15 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1993-03-30 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 1993-06-15 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1992-11-08 00:00:00.0  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: TSD - General  
Date achieved compliance: 1993-01-15 00:00:00.0  
Evaluation lead agency: State

Evaluation date: 1992-02-19 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1992-01-17 00:00:00.0  
Evaluation: NOT A SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 1991-10-10 00:00:00.0  
Evaluation: SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 1991-08-20 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 1992-01-17 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1991-08-20 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1990-10-04 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1991-08-20 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1992-01-17 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1989-08-02 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1990-10-04 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1989-08-02 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 1991-08-20 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1989-01-23 00:00:00.0  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: TSD - General  
Date achieved compliance: 1990-10-04 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1988-03-24 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1988-08-21 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1988-03-24 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD IS-Ground-Water Monitoring  
Date achieved compliance: 1988-08-21 00:00:00.0  
Evaluation lead agency: EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Evaluation date: 1987-03-25 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 1987-02-23 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 1987-03-25 00:00:00.0  
Evaluation lead agency: EPA

Evaluation date: 1987-02-23 00:00:00.0  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 1987-03-25 00:00:00.0  
Evaluation lead agency: EPA

Site:

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
Event Code: Not reported  
Action Taken Date: 06/28/2013  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ESD  
Action ID: 1  
Operable Unit: 11  
Action Completion Date: 10/30/2013  
Contaminated Media: Debris  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Media:

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 3  
Action Completion Date: 09/30/2007  
Operable Unit: 04  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/24/2007  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 12  
Action Completion Date: 09/30/2008  
Operable Unit: 11  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 08/04/2008



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 3  
Action Completion Date: 09/30/2007  
Operable Unit: 04  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/24/2007  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 12  
Action Completion Date: 09/30/2008  
Operable Unit: 11  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 08/04/2008  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 10/30/2013  
Operable Unit: 11  
Action Name: FF ESD  
Action Taken Date: 06/28/2013  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 4  
Action Completion Date: 09/30/2006  
Operable Unit: 06  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/28/2006  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 15  
Action Completion Date: 09/30/2012  
Operable Unit: 13  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/21/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 15  
Action Completion Date: 09/30/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Operable Unit: 13  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/21/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 15  
Action Completion Date: 09/30/2012  
Operable Unit: 13  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/21/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 5  
Action Completion Date: 09/30/2009  
Operable Unit: 15  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/16/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 12  
Action Completion Date: 09/30/2008  
Operable Unit: 11  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 08/04/2008  
Event Code: Not reported  
Contact Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2012  
Operable Unit: 02  
Action Name: FF ROD Amendment  
Action Taken Date: 09/27/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Debris

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Site ID: 0902725  
Action ID: 12  
Action Completion Date: 09/30/2008  
Operable Unit: 11  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 08/04/2008  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2012  
Operable Unit: 02  
Action Name: FF ROD Amendment  
Action Taken Date: 09/27/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 10/30/2013  
Operable Unit: 11  
Action Name: FF ESD  
Action Taken Date: 06/28/2013  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2012  
Operable Unit: 02  
Action Name: FF ROD Amendment  
Action Taken Date: 09/27/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Free-phase NAPL  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 12  
Action Completion Date: 09/30/2008  
Operable Unit: 11  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 08/04/2008  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 12  
Action Completion Date: 09/30/2008  
Operable Unit: 11  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 08/04/2008  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 15  
Action Completion Date: 09/30/2012  
Operable Unit: 13  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/21/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 15  
Action Completion Date: 09/30/2012  
Operable Unit: 13  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/21/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 15  
Action Completion Date: 09/30/2012  
Operable Unit: 13  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/21/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 5  
Action Completion Date: 09/30/2009  
Operable Unit: 15  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/16/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 10/30/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Operable Unit: 11  
Action Name: FF ESD  
Action Taken Date: 06/28/2013  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2012  
Operable Unit: 02  
Action Name: FF ROD Amendment  
Action Taken Date: 09/27/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Free-phase NAPL  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Contact Telephone:	Not reported
Event:	Not reported
EPA ID:	CA1570024504
Contaminated Media:	Groundwater
Site ID:	0902725
Action ID:	2
Action Completion Date:	09/30/2003
Operable Unit:	03
Action Name:	FF ROD (RCRA Statement of Basis/RTC)
Action Taken Date:	09/30/2003
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
EPA ID:	CA1570024504
Contaminated Media:	Debris
Site ID:	0902725
Action ID:	15
Action Completion Date:	09/30/2012
Operable Unit:	13
Action Name:	FF ROD (RCRA Statement of Basis/RTC)
Action Taken Date:	09/21/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
EPA ID:	CA1570024504
Contaminated Media:	Landfill Gas
Site ID:	0902725
Action ID:	15
Action Completion Date:	09/30/2012
Operable Unit:	13
Action Name:	FF ROD (RCRA Statement of Basis/RTC)
Action Taken Date:	09/21/2012
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
EPA ID:	CA1570024504
Contaminated Media:	Solid Waste
Site ID:	0902725
Action ID:	5
Action Completion Date:	09/30/2009
Operable Unit:	15
Action Name:	FF ROD (RCRA Statement of Basis/RTC)
Action Taken Date:	09/16/2009
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
EPA ID:	CA1570024504
Contaminated Media:	Solid Waste

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Site ID: 0902725  
Action ID: 5  
Action Completion Date: 09/30/2009  
Operable Unit: 15  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/16/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 12  
Action Completion Date: 09/30/2008  
Operable Unit: 11  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 08/04/2008  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 5  
Action Completion Date: 09/30/2009  
Operable Unit: 15  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/16/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 5  
Action Completion Date: 09/30/2009  
Operable Unit: 15  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/16/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2012  
Operable Unit: 02  
Action Name: FF ROD Amendment

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Action Taken Date: 09/27/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2012  
Operable Unit: 02  
Action Name: FF ROD Amendment  
Action Taken Date: 09/27/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2012  
Operable Unit: 02  
Action Name: FF ROD Amendment  
Action Taken Date: 09/27/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 4  
Action Completion Date: 09/30/2006  
Operable Unit: 06  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/28/2006  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 4  
Action Completion Date: 09/30/2006  
Operable Unit: 06  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/28/2006  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 12  
Action Completion Date: 09/30/2008  
Operable Unit: 11  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 08/04/2008  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Debris  
Site ID: 0902725  
Action ID: 15  
Action Completion Date: 09/30/2012  
Operable Unit: 13  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/21/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 10/30/2013  
Operable Unit: 11  
Action Name: FF ESD  
Action Taken Date: 06/28/2013  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 15  
Action Completion Date: 09/30/2012

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Operable Unit: 13  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 09/21/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2012  
Operable Unit: 02  
Action Name: FF ROD Amendment  
Action Taken Date: 09/27/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Soil  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2012  
Operable Unit: 02  
Action Name: FF ROD Amendment  
Action Taken Date: 09/27/2012  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

EPA ID: CA1570024504  
Contaminated Media: Solid Waste  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Contact Telephone: Not reported  
Event: Not reported  
  
EPA ID: CA1570024504  
Contaminated Media: Groundwater  
Site ID: 0902725  
Action ID: 1  
Action Completion Date: 09/30/2009  
Operable Unit: 02  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action Taken Date: 06/24/2009  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

**US INST CONTROLS:**

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 15  
Operable Unit: 13  
Action Completion Date: 09/30/2012  
Actual Date: 09/21/2012  
Contaminated Media: Solid Waste  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 12  
Operable Unit: 11  
Action Completion Date: 09/30/2008  
Actual Date: 08/04/2008  
Contaminated Media: Debris  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 5  
Operable Unit: 15  
Action Completion Date: 09/30/2009  
Actual Date: 09/16/2009  
Contaminated Media: Solid Waste  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 15  
Operable Unit: 13  
Action Completion Date: 09/30/2012  
Actual Date: 09/21/2012  
Contaminated Media: Groundwater  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ESD  
Action ID: 1  
Operable Unit: 11  
Action Completion Date: 10/30/2013  
Actual Date: 06/28/2013  
Contaminated Media: Soil  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 3  
Operable Unit: 04  
Action Completion Date: 09/30/2007  
Actual Date: 09/24/2007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Contaminated Media: Groundwater  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 1  
Operable Unit: 02  
Action Completion Date: 09/30/2009  
Actual Date: 06/24/2009  
Contaminated Media: Soil  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 3  
Operable Unit: 04  
Action Completion Date: 09/30/2007  
Actual Date: 09/24/2007  
Contaminated Media: Soil Gas  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 15  
Operable Unit: 13  
Action Completion Date: 09/30/2012  
Actual Date: 09/21/2012  
Contaminated Media: Debris  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 4  
Operable Unit: 06  
Action Completion Date: 09/30/2006  
Actual Date: 09/28/2006  
Contaminated Media: Groundwater  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 12  
Operable Unit: 11  
Action Completion Date: 09/30/2008  
Actual Date: 08/04/2008  
Contaminated Media: Soil  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 15  
Operable Unit: 13  
Action Completion Date: 09/30/2012  
Actual Date: 09/21/2012  
Contaminated Media: Landfill Gas  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 1  
Operable Unit: 02  
Action Completion Date: 09/30/2009  
Actual Date: 06/24/2009  
Contaminated Media: Groundwater  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
Address 2: 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
Site ID: 0902725  
Action Name: FF ROD (RCRA Statement of Basis/RTC)  
Action ID: 1  
Operable Unit: 02  
Action Completion Date: 09/30/2009  
Actual Date: 06/24/2009  
Contaminated Media: Solid Waste  
Event Code: Not reported  
Contact Name: Not reported  
Contact Telephone: Not reported  
Event: Not reported

**ENVIROSTOR:**

Name: EDWARDS AIR FORCE BASE - IR/MMRP  
Address: 470 SQ MI; 60 MI NE OF LOS ANGELES, CA  
City,State,Zip: EDWARDS, CA 93523  
Facility ID: 15970001  
Status: Active  
Status Date: 05/01/1986  
Site Code: 100052  
Site Type: Federal Superfund  
Site Type Detailed: Open Base  
Acres: 300800  
NPL: YES  
Regulatory Agencies: SMBRP, RWQCB 6V - Lahontan, US EPA  
Lead Agency: US EPA  
Program Manager: Kevin Depies  
Supervisor: Peter Bailey  
Division Branch: Cleanup Legacy Landfills  
Assembly: 36  
Senate: 16  
Special Program: DSMOA  
Restricted Use: YES  
Site Mgmt Req: NONE SPECIFIED  
Funding: DERA  
Latitude: 34.90604  
Longitude: -117.8825  
APN: NONE SPECIFIED  
Past Use: AIRCRAFT MAINTENANCE, FUEL - AIRCRAFT STORAGE/ REFUELING, AIRCRAFT MAINTENANCE, RESEARCH - OTHER, AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, RESEARCH - OTHER, AEROSPACE ROCKET TESTING/LAUNCH, FUEL -

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

EDWARDS AIR FORCE BASE (Continued)

1000155217

AIRCRAFT STORAGE/ REFUELING, AEROSPACE ROCKET TESTING/LAUNCH, RESEARCH - AEROSPACE, LANDFILL - CONSTRUCTION, LANDFILL - DOMESTIC, LANDFILL - HAZARDOUS WASTE, FUEL - AIRCRAFT STORAGE/ REFUELING, AIRCRAFT MAINTENANCE, FUEL - AIRCRAFT STORAGE/ REFUELING, AEROSPACE ROCKET TESTING/LAUNCH, AEROSPACE ROCKET TESTING/LAUNCH, RESEARCH - AEROSPACE, DEGREASING FACILITY, JET FUEL STORAGE/REFUELING, AIRCRAFT MAINTENANCE, AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, DEGREASING FACILITY, DEGREASING FACILITY, ABOVE GROUND STORAGE TANKS, AEROSPACE MANUFACTURING/MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, FUEL - AIRCRAFT STORAGE/ REFUELING, AIRCRAFT MAINTENANCE, RESEARCH - CHEMICAL, AEROSPACE MANUFACTURING/MAINTENANCE, FUEL - AIRCRAFT STORAGE/ REFUELING, AEROSPACE ROCKET TESTING/LAUNCH, AIRFIELD OPERATIONS, RESEARCH - CHEMICAL, AEROSPACE MANUFACTURING/MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, RESEARCH - CHEMICAL, RESEARCH - CHEMICAL, DEGREASING FACILITY, AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, FUEL - AIRCRAFT STORAGE/ REFUELING, JET FUEL STORAGE/REFUELING, AEROSPACE MANUFACTURING/MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, AEROSPACE MANUFACTURING/MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, AEROSPACE ROCKET TESTING/LAUNCH, DEGREASING FACILITY, FUEL - AIRCRAFT STORAGE/ REFUELING, AIRCRAFT MAINTENANCE, FUEL - AIRCRAFT STORAGE/ REFUELING, DEGREASING FACILITY, AIRCRAFT MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, AIRCRAFT MAINTENANCE, LANDFILL - HAZARDOUS WASTE, OPEN BURN/OPEN DETONATION, RESEARCH - AEROSPACE, RESEARCH - CHEMICAL, AEROSPACE ROCKET TESTING/LAUNCH, RESEARCH - AEROSPACE, AEROSPACE ROCKET TESTING/LAUNCH, RESEARCH - AEROSPACE, WASTE - INDUSTRIAL WASTE LINE, LANDFILL - HAZARDOUS WASTE, AEROSPACE ROCKET TESTING/LAUNCH, AEROSPACE MANUFACTURING/MAINTENANCE, AEROSPACE ROCKET TESTING/LAUNCH, AIRFIELD OPERATIONS, FIRE TRAINING AREAS

Potential COC:

Benzene Benzene Tetrachloroethylene (PCE TPH-JET FUEL  
1,1-Dichloroethane 1,2-Dichloroethane (EDC Ethylbenzene  
1,1,2,2-Tetrachloroethane Toluene 1,2,4-Trimethylbenzene Xylenes  
Benzene Methylene chloride Trichloroethylene (TCE Explosives (UXO,  
MEC Explosives (UXO, MEC Explosives (UXO, MEC Perchlorate Polynuclear  
aromatic hydrocarbons (PAHs Trichloroethylene (TCE  
N-Nitrosodimethylamine Methyl tertbutyl ether (MTBE Perchlorate  
Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride  
1,2-Dichloroethylene (cis 1,4-Dioxane N-Nitrosodimethylamine  
Perchlorate Perchlorate Polychlorinated biphenyls (PCBs  
Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons  
(PAHs Polynuclear aromatic hydrocarbons (PAHs Polynuclear aromatic  
hydrocarbons (PAHs Tetrachloroethylene (PCE Carbon tetrachloride  
Polynuclear aromatic hydrocarbons (PAHs Trichloroethylene (TCE  
1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans  
Tetrachloroethylene (PCE Trichloroethylene (TCE Tetrachloroethylene  
(PCE N-Nitrosodimethylamine TPH-gas TPH-JET FUEL TPH-JET FUEL  
Trichloroethylene (TCE 1,2-Dichloroethylene (cis 1,2-Dichloroethylene  
(trans Benzene Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA  
1,1,2-Trichloroethane 1,1-Dichloroethane 1,1-Dichloroethylene  
1,2,4-Trimethylbenzene 1,2-Dichloroethane (EDC 1,2-Dichloroethylene  
(cis 1,3,5-Trimethylbenzene 1,4-Dichlorobenzene 1,4-Dioxane Benzene  
Chloromethane (methyl chloride Ethylbenzene Methyl tertbutyl ether  
(MTBE Methylene chloride N-Nitrosodimethylamine Naphthalene  
Tetrachloroethylene (PCE Toluene Trichloroethylene (TCE Xylenes  
Trichloroethylene (TCE Trichloroethylene (TCE Trichloroethylene (TCE  
Trichloroethylene (TCE Aluminum Barium and compounds Beryllium and  
compounds Naphthalene Antimony and compounds Arsenic Molybdenum

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

EDWARDS AIR FORCE BASE (Continued)

1000155217

Confirmed COC:

Nickel Antimony and compounds Cadmium and compounds Lead Mercury and compounds Nickel Antimony and compounds Cadmium and compounds Ethylbenzene Lead Manganese and compounds Polychlorinated biphenyls (PCBs Toluene Xylenes Zinc Beryllium and compounds Beryllium and compounds Beryllium and compounds Chromium III Chromium VI Cobalt Iron Mercury and compounds Thallium and compounds Vanadium and compounds Zinc Chromium III Chromium VI Copper and compounds Iron Lead Nickel Perchlorate Selenium Zinc 1,2-Dichloroethane (EDC Benzene Trichloroethylene (TCE 1,2-Dichloroethane (EDC 1,4-Dichlorobenzene Chloroform Hexachlorobutadiene Nickel Trichloroethylene (TCE 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Benzene Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride 1,1-Dichloroethylene 1,2-Dichloroethylene (cis Acetone Aluminum Antimony and compounds Arsenic Barium and compounds Beryllium and compounds Bis(2-ethylhexyl)phthalate (DEHP) Cadmium and compounds Chromium III Chromium VI Cobalt Copper and compounds Dieldrin Dimethyl phthalate Endrin Ethylbenzene Fluorine (soluble fluoride Iron Lead Mercury and compounds Methylene chloride Molybdenum Nickel Selenium Silver Toluene Trichloroethylene (TCE Vanadium and compounds Zinc n-Propylbenzene 1,1-Dichloroethylene 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans 2,6-Dinitrotoluene (also see Dinitrotoluene mixture Acetone Barium and compounds Benz[a]anthracene Benzo[a]pyrene Benzo[b]fluoranthene Bis(2-ethylhexyl)phthalate (DEHP) Bromomethane (Methyl bromide Cadmium and compounds Chloromethane (methyl chloride Chromium III Chromium VI Chrysene Cobalt Copper and compounds Fluoranthene Indeno[1,2,3-cd]pyrene Iron Manganese and compounds Mercury and compounds Methylene chloride Molybdenum Nickel Nitrate Pyrene Tetrachloroethylene (PCE Thallium and compounds Toluene Trichloroethylene (TCE Vinyl chloride Xylenes Zinc 1,2-Dichloroethylene (cis Benzene Trichloroethylene (TCE 1,1,2-Trichloroethane 1,2-Dibromoethane (EDB Benzene Cadmium and compounds Tetrachloroethylene (PCE Trichloroethylene (TCE 1,1,2-Trichloroethane 1,2-Dibromoethane (EDB Benzene Cadmium and compounds Tetrachloroethylene (PCE Trichloroethylene (TCE 1,2,4-Trimethylbenzene Acetone Beryllium and compounds Bromodichloromethane Bromoform (tribromomethane Chloroform Cobalt Dibromochloromethane Mercury and compounds Trichloroethylene (TCE Xylenes 1,2,4-Trimethylbenzene 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Benzene Ethylbenzene Naphthalene Toluene Trichloroethylene (TCE Vinyl chloride Xylenes 39105 39106 Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE Carbon tetrachloride Benzene Methylene chloride Trichloroethylene (TCE Chloroform Cobalt Dibromochloromethane Mercury and compounds Xylenes 1,2,4-Trimethylbenzene Trichloroethylene (TCE Acetone Beryllium and compounds Bromodichloromethane Bromoform (tribromomethane Benzene Cadmium and compounds 1,2-Dibromoethane (EDB 1,1,2-Trichloroethane Tetrachloroethylene (PCE Trichloroethylene (TCE Benzene Cadmium and compounds 1,2-Dibromoethane (EDB 1,1,2-Trichloroethane Tetrachloroethylene (PCE Trichloroethylene (TCE Chromium III Chromium VI Cobalt Mercury and compounds Vanadium and compounds Zinc Iron Thallium and compounds Benzene 1,2-Dichloroethylene (cis Trichloroethylene (TCE Chloroform 1,4-Dichlorobenzene 1,2-Dichloroethane (EDC Nickel Hexachlorobutadiene Trichloroethylene (TCE Endrin Lead Arsenic Cadmium and compounds Chromium III Chromium VI Cobalt Copper and compounds 1,1-Dichloroethylene 1,2-Dichloroethylene (cis Dieldrin Mercury and compounds Methylene chloride Molybdenum Nickel Vanadium

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EDWARDS AIR FORCE BASE (Continued)

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and compounds Zinc Dimethyl phthalate Ethylbenzene Fluorine (soluble fluoride Iron n-Propylbenzene Selenium Toluene Silver Trichloroethylene (TCE Acetone Aluminum Antimony and compounds Barium and compounds Beryllium and compounds Bis(2-ethylhexyl)phthalate (DEHP) Benzene Ethylbenzene Xylenes 1,1,2,2-Tetrachloroethane 1,2,4-Trimethylbenzene Tetrachloroethylene (PCE 1,1-Dichloroethane 1,2-Dichloroethane (EDC Toluene TPH-JET FUEL Lead Cadmium and compounds Manganese and compounds Xylenes Zinc Ethylbenzene Toluene Polychlorinated biphenyls (PCBs Antimony and compounds Lead Perchlorate Chromium III Chromium VI Copper and compounds Nickel Zinc Iron Selenium Polychlorinated biphenyls (PCBs Benzene Benzene 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride Benzene 1,2-Dichloroethane (EDC Trichloroethylene (TCE Trichloroethylene (TCE Tetrachloroethylene (PCE Trichloroethylene (TCE 30003-NO 30022-NO 3002501-NO 30027-NO 30195-NO 30196-NO Beryllium and compounds No Contaminants found Trichloroethylene (TCE Polynuclear aromatic hydrocarbons (PAHs Polynuclear aromatic hydrocarbons (PAHs No Contaminants found Tetrachloroethylene (PCE N-Nitrosodimethylamine No Contaminants found No Contaminants found Trichloroethylene (TCE Naphthalene Aluminum Barium and compounds Beryllium and compounds TPH-gas TPH-JET FUEL Perchlorate Perchlorate Explosives (UXO, MEC Perchlorate Polynuclear aromatic hydrocarbons (PAHs Trichloroethylene (TCE N-Nitrosodimethylamine Methyl tertbutyl ether (MTBE Benzene Chloromethane (methyl chloride 1,4-Dichlorobenzene 1,1-Dichloroethane 1,2-Dichloroethane (EDC 1,1-Dichloroethylene 1,2-Dichloroethylene (cis Methylene chloride N-Nitrosodimethylamine Xylenes 1,4-Dioxane Ethylbenzene Naphthalene Toluene 1,1,2-Trichloroethane 1,2,4-Trimethylbenzene 1,3,5-Trimethylbenzene Tetrachloroethylene (PCE 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Benzene 1,2-Dichloroethane (EDC 1,2-Dichloroethylene (cis Xylenes Ethylbenzene Naphthalene Toluene 1,2,4-Trimethylbenzene Trichloroethylene (TCE Vinyl chloride Trichloroethylene (TCE Lead Cadmium and compounds Mercury and compounds Nickel Antimony and compounds Cadmium and compounds Chloromethane (methyl chloride Chromium III Chromium VI Cobalt Copper and compounds 1,1-Dichloroethylene 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans Manganese and compounds Mercury and compounds Methylene chloride Molybdenum Nickel Nitrate Xylenes Zinc 2,6-Dinitrotoluene (also see Dinitrotoluene mixture Iron Benz[a]anthracene Benzo[b]fluoranthene Benzo[a]pyrene Chrysene Fluoranthene Indeno[1,2,3-cd]pyrene Pyrene Thallium and compounds Toluene Tetrachloroethylene (PCE Trichloroethylene (TCE Vinyl chloride Acetone Barium and compounds Bis(2-ethylhexyl)phthalate (DEHP) Bromomethane (Methyl bromide Arsenic Molybdenum Nickel Antimony and compounds Explosives (UXO, MEC No Contaminants found Beryllium and compounds Beryllium and compounds Polychlorinated biphenyls (PCBs 30011-NO Polynuclear aromatic hydrocarbons (PAHs Trichloroethylene (TCE 1,2-Dichloroethylene (cis 1,2-Dichloroethylene (trans Methyl tertbutyl ether (MTBE Perchlorate Tetrachloroethylene (PCE 30027-NO Vinyl chloride 1,2-Dichloroethylene (cis 1,4-Dioxane N-Nitrosodimethylamine 39105 39106

Potential Description:

OTH, SOIL, OTH, OTH, SOIL, OTH, SOIL, SURFW, OTH, SOIL, SURFW, SOIL, OTH, SOIL, OTH, OTH, SOIL, OTH, SOIL, SOIL, SOIL, SOIL, OTH, OTH, SOIL, OTH, OTH, SOIL, OTH, SOIL, IA, OTH, SOIL, SV, OTH, SOIL, SOIL, IA, OTH, SOIL, SV, SV, IA, OTH, OTH, SOIL, OTH, SOIL, OTH, SOIL, OTH, SOIL, OTH, SOIL, OTH, SOIL, SOIL, OTH, SOIL, SOIL, SOIL, SOIL, SOIL, SOIL, OTH, SOIL, OTH,

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EDWARDS AIR FORCE BASE (Continued)

1000155217

SOIL, SV, IA

Alias Name:	EDWARDS AFB
Alias Type:	Alternate Name
Alias Name:	CA1570024504
Alias Type:	EPA Identification Number
Alias Name:	110033616120
Alias Type:	EPA (FRS #)
Alias Name:	DOD100074300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100074400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100074500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100074600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100075900
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Alias Name:	DOD100076000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100076100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100076200
Alias Type:	GeoTracker Global ID
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Alias Type:	GeoTracker Global ID
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Alias Name:	DOD100080900
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100082300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100082400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100082500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100082600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100083900
Alias Type:	GeoTracker Global ID

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Name:	DOD100084000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100084100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100084200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100085500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100085600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100085700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100085800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100087100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100087200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100087300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100087400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100088800
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Alias Name:	DOD100090600
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Alias Name:	DOD100090700
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Alias Name:	DOD100098200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100098300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100098400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100098500

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100098600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100098700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100098800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100098900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100099000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100099100
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Alias Name:	DOD100099200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100099300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100099400
Alias Type:	GeoTracker Global ID
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100099600
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Alias Name:	DOD100101100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100101200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100101300
Alias Type:	GeoTracker Global ID



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**1000155217**

Alias Name:	DOD100101400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100101500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100101600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100101700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100101800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100101900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100102000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100102100
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Alias Name:	DOD100102200
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Alias Name:	DOD100102500
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Alias Name:	DOD100102600
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Alias Name:	DOD100102700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100102800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100102900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100103000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100103100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100103200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100103300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100103400
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Alias Name:	DOD100103500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100103600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100103700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100103800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100103900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100104000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100104100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100104200

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**1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100104300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100104400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100104500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100104600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100104700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100104800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100104900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100105000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100105100
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Alias Name:	DOD100106100
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Alias Name:	DOD100106200
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Alias Name:	DOD100106400
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Alias Name:	DOD100106600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100106700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100106800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100106900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100107000
Alias Type:	GeoTracker Global ID

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**1000155217**

Alias Name:	DOD100107100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100107200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100107300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100107400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100107500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100107600
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Alias Name:	DOD100109600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100109700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100109800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100109900

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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100110000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100110100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100110200
Alias Type:	GeoTracker Global ID
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Alias Name:	DOD100111100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100111200
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Alias Name:	DOD100111300
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Alias Name:	DOD100111400
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Alias Name:	DOD100112000
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Alias Name:	DOD100112100
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Alias Name:	DOD100112200
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Alias Name:	DOD100112300
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Alias Name:	DOD100112600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100112700
Alias Type:	GeoTracker Global ID

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**1000155217**

Alias Name:	DOD100112800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100112900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100113200
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Alias Name:	DOD100113300
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Alias Type:	GeoTracker Global ID
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Alias Type:	GeoTracker Global ID
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Alias Type:	GeoTracker Global ID
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Alias Type:	GeoTracker Global ID
Alias Name:	DOD100115600

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100115700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100115800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100115900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100116900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100117900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118400
Alias Type:	GeoTracker Global ID

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Name:	DOD100118500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100118900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100119900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100120900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100121000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100121100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100121200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100121300

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100121400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100121500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100121600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100121700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100121800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100121900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100122900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100123900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100124000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100124100
Alias Type:	GeoTracker Global ID



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Name:	DOD100124200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100124300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100124400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100124500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100124600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100124700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100124800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100124900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100125900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100126900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100127900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100128900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100129000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100129100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100129200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100129300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100129400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100129500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100129600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100129700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100129800
Alias Type:	GeoTracker Global ID

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Name:	DOD100129900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100130900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100131900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100132900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100133000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100133100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100133200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100133300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100133400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100133500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100133600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100133700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100133800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100133900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100134900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100135000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100135100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100135200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100135300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100135400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100135500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100135600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100135700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100135800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100135900
Alias Type:	GeoTracker Global ID

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Name:	DOD100136400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100136500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100136600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100136700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100136800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100136900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100137900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100138000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100138100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100138200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100138300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100138400
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Alias Name:	DOD100138500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100138600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100138700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100138800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100138900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100139000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100139100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100139200

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100139300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100139600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100139700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100139800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100139900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100140900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100141000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100141100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100141200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100141300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100141400
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Alias Name:	DOD100141500
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Alias Name:	DOD100141600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100141700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100141800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100141900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100142000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100142100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100142200
Alias Type:	GeoTracker Global ID

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Name:	DOD100142300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100142400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100142500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100142600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100142700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100142800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100142900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100143900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100144000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100144100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100144200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100144300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100144400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100144500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100144600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100144700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100144800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100144900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100145000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100145100

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Type:	GeoTracker Global ID
Alias Name:	DOD100145200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100145300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100145400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100145500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100145600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100145700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100145800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100145900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100146900
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100147000
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100147100
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100147200
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100147300
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100147400
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100147500
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100147600
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100147700
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100147800
Alias Type:	GeoTracker Global ID
Alias Name:	DOD100147900
Alias Type:	GeoTracker Global ID



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Name:	T0602900807
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900808
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900809
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900810
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900813
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900819
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900828
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900857
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900859
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900862
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900863
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900864
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900865
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900866
Alias Type:	GeoTracker Global ID
Alias Name:	T0602900867
Alias Type:	GeoTracker Global ID
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Map ID  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Alias Type:	GeoTracker Global ID
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**1000155217**

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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Completed Info:

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 13  
Completed Document Type: Monitoring Report  
Completed Date: 06/14/2016  
Comments: Site 13 Landfill Annual Compliance Monitoring Report for 2015

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 13  
Completed Document Type: Monitoring Report  
Completed Date: 03/12/2015  
Comments: Site 13 Landfill Annual Compliance Monitoring Report for 2013

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 10/14/2016  
Comments: Completed

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan  
Completed Date: 03/16/2017  
Comments: Site Inspection Workplan (UFP-QAPP) for Aqueous Film Forming Foam Usage (PFCs/PFAS) at EAFB

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Enforceable Schedule  
Completed Date: 09/12/2016  
Comments: 2016 Update to the FFA Schedule

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 02/28/2017  
Comments: AFRL Arroyos 2015 GWM Report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 05/02/2017  
Comments: Sites 17, 19, 51, 58, and 66 Cone Penetration Test Investigation and Site 58 Well Installation Report

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Monitoring Report  
Completed Date: 04/13/2017  
Comments: Site 25 Groundwater Monitoring Report for 2015

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 10/11/2016  
Comments: OU 1/8 Groundwater Monitoring Sampling Plan for 2016. 2016 is an "off

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**EDWARDS AIR FORCE BASE (Continued)**

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year" for sampling; however the RPMs agreed that data was needed from a select group of wells to provide data for the upcoming FS. The wells selected for sampling were agreed upon in the July 2016 RPM meeting.

Completed Area Name: 4/9 Mars Blvd Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/03/2017  
Comments: Mars Blvd Sites 2015 GWM Report

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 10/06/2016  
Comments: OU 1/8 2016 Groundwater Monitoring Sampling Plan. A select list of wells will be sampled, agreed upon by the Air Force and regulators during the July 2016 RPM meeting. These data will be used to augment the pending OU 1/8 Feasibility Study.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 12/28/2016  
Comments: Sites 81 and 102 NTCRA Pre-Design Survey Field Activities Letter Report. This report summarizes further site characterization which will be used to finalize the planned "removal action".

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 04/03/2009  
Comments: This document presents the work to be performed to monitor the remedies presented in the OUs 4/9 South AFRL Record of Decision. DTSC worked closely with the document development; all of DTSC concerns have been addressed.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Monitoring Report  
Completed Date: 04/17/2006  
Comments: DTSC concurred with annual monitoring report and recommendations for continued operation.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 03/17/2006  
Comments: Concur with Recommendation to continue operation and monitoring.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 312  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 04/17/2006  
Comments: DTSC concurred with workplan.

Completed Area Name: 4A - AFRL Area

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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Sub Area Name: Site 37  
Completed Document Type: Treatability Study Report  
Completed Date: 04/17/2006  
Comments: DTSC final concur letter.

Completed Area Name: 9 - Air Force Research Lab - East  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/21/2005  
Comments: DTSC concurred without comment

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 272  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 07/13/2006  
Comments: Document not reviewed by DTSC. Work proceeded without DTSC comments.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Base / Site Management Plan  
Completed Date: 03/28/2006  
Comments: December 2005 Submittal of July-Sept. 2005 Strategy and Status Report

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 66  
Completed Document Type: Removal Action Completion Report  
Completed Date: 04/26/2006  
Comments: DTSC concurred with final Site 66 Treatability Study Report for the Dual Extraction System without comment. SVE System removed 114907 lbs of hydrocarbons before being shut down in February 2005. 4017 lbs were removed during Pilot from vapor and free product.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 36  
Completed Document Type: Removal Action Completion Report  
Completed Date: 05/15/2005  
Comments: The former Wastewater Holding Tank and piping, Building 8525 were removed in Aug. 2004. Approximately 10 cubic yards of perchlorate contaminated soil was removed from beneath the tank for off-site disposal. Residual perchlorate is the only constituent of concern in the soil. Groundwater contains TCE, PCE, DCE, NDMA, and perchlorate. The groundwater will be managed under the OU-4/9 AFRL Arroyos area and Site 162.

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 08/03/2007  
Comments: Final document concurrence letter sent 8/3/07.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 37  
Completed Document Type: Removal Action Completion Report  
Completed Date: 05/01/2000  
Comments: Construction complete for the Groundwater Extraction and Treatment System (GETS) at Site 37. Primary Chemical of Concern is PCE. Extraction system began operation on 1/25/1999, and consists of

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groundwater extraction, liquid phase GAC, and discharge to the sewer.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 02/16/2008  
Comments: DTSC concurred with Final Remedial Action Phase 2 Work Plan for OU 6 and finds it acceptable for the Remedial Design to implement Phase 2 of the Remedial Action selected by the September 2006 Record of Decision for Edwards AFB OU 6

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedy Constructed: Operating Properly & Successfully  
Completed Date: 04/24/2009  
Comments: This report documents the first part of Phase II of the implementation of the groundwater cleanup remedy. Phase I was the implementation of a managed Land Use Control program. Phase II comprises the injection and monitoring of chemical oxidants into groundwater. Results are encouraging as VOCs were reduced in portions of the plume. Follow-up injection/monitoring will be performed later in 2009.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Notice  
Completed Date: 09/19/2006  
Comments: Public comment period for OU 2 Proposed Plan.

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 08/03/2007  
Comments: Final document concurrence letter sent 8/3/07.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 08/03/2007  
Comments: The Final OU 5/10 North Base Human Health Risk Assessment document was received by DTSC on 5/9/2007, after resolution of comments submitted by DTSC's risk assessor. Of the 14 sites carried forward into the RI phase and evaluated in this document, 12 sites exceeded the residential scenario benchmarks of  $1 \times 10^{-6}$  cancer risk or a noncancer Hazard Index of 1.

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide  
Completed Sub Area Name: Not reported  
Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)  
Completed Date: 08/03/2007  
Comments: Phase I Report recommends further investigation for 14 areas: AL 500 - Main Base Closed Range, AL 501 - South Base Ordnance Ranges, North and South; AL 502 - North Base Ordnance Ranges, North and South; AL 503 - Gates Range Areas, North, South, and West; AL 504, 7th AAF Bombing and Gunnery Range; AL 505, Edwards Off-Base Adjacent Areas 1, 2, 3, 4, and 5.

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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 3  
Completed Document Type: Feasibility Study Report  
Completed Date: 10/02/2008  
Comments: DTSC accepted the final Site 3 Main Base Inactive Landfill FS. Four alternative were evaluated with combinations of Land Use Controls, Monitored Natural Attenuation, Evapotranspirative Cover, Stormwater Control, and Waste Consolidation.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 10/12/2009  
Comments: Not reported

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 10/22/2008  
Comments: The Final OU 7 RI Report covers 8 sites that moved past the PA/SI phase. Of the 8 sites, 4 sites (Sites 267, 269, 272, and 293) require no further action after review and agreement by the RPMs. Four sites (Sites 3, 280, 294, and 339) will continue on into the Feasibility Study phase.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc. - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 01/11/2010  
Comments: This is the FS for Sites 280, 294, and 339. The Air Force has evaluated clean-up remedies for the contamination in soil at these sites. DTSC has identified some potential human health risk assessment procedure issues and will work with the Air Force to resolve these.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Record of Decision  
Completed Date: 10/19/2006  
Comments: The OU-6 ROD addresses six sites (N1, N2, N3, N4, N7, and AOC N14). The selected remedy OU6 Soils for all six sites is No Action. The risks associated with the soils were all within the acceptable risk range. Three of the sites (N2, N3, and N7) are the origin of the OU wide commingled groundwater plume. The groundwater contaminants are chlorinated solvents (TCE, cis-1,2 DCE, TCA, etc) and aromatic hydrocarbons (BTEX). The selected remedy for the groundwater is Land Use Controls to prevent exposure, In Situ Chemical Oxidation for chlorinated hydrocarbons, Enhanced Natural Attenuation for aromatic hydrocarbons, and monitored natural attenuation (plume containment) for the dissolved plume. DTSC signed the Declaration page on 10/19/06 and forwarded signature page to Water Board who provided the final signature on 12/28/06.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 03/03/2006



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**EDWARDS AIR FORCE BASE (Continued)**

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Comments: On March 3, 2006, DTSC concurred with the Final Focused Feasibility Study to support a Technical Impracticability Evaluation/ Containment Zone Application for the South Air Force Research Laboratory (AFRL) in OU 4 and OU 9. Due to the presence of pure phase trichloroethene (TCE) and tetrachloroethene (PCE) in fractured bedrock at depths exceeding 250 feet, the Focused Feasibility Study recommends requesting a technical impracticability waiver for meeting the cleanup standard of the Maximum Contaminant Level for drinking water (MCL) and applies for a Containment Zone under the State Water Code.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Record of Decision  
Completed Date: 08/04/2009  
Comments: This ROD documents the cleanup action for groundwater for Sites 5, 14, 76, and 86; and the soil cleanup action for Site 29. The remedy to clean up groundwater at combined Sites 5 and 14 is the implementation of in-situ biotreatment to destroy floating free product, injection of chemical reagents to remediate dissolved chlorinated solvents, the continued operation of the Site 14 extraction/treatment system, and the implementation of Land Use Controls to limit potential human exposure. The remedy to clean up groundwater at Sites 76 and 86 is to inject chemical reagents and in-situ biological components, and implement LUCs to limit potential human exposure. The remedy to clean up soil at Site 29 is to remove surface debris, grade the site and install a cover which will contain a soil erosion stabilizer agent, enhance the stormwater management system, install fencing, and implement LUCs. Groundwater monitoring will be performed in perpetuity or until sites are cleaned. DTSC signed the ROD on 7/8/09.

Completed Area Name: 426  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 08/06/2004  
Comments: RA - S426 -- No Further Action recommendation following the completion of a removal action at Site 426 in OU-7, documented in the Site Interim Removal Action Report, March 2004. Site 426 is an historic WWII Chemical Warfare Material Storage Yard near dormitories where investigation delineated four possible "trenches." An excavation removal action conducted in 2002 identified no hazardous contaminants, only four sets of concrete "rails" which were removed.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Record of Decision  
Completed Date: 09/26/2007  
Comments: Selected Remedy included a waiver of the Drinking Water Cleanup Standard and implementation of land use controls and a "Containment Zone." High Concentrations of TCE and PCE exist in fractured bedrock. Feasibility Study justified a technical impracticability waiver for aquifer clean up. Soil and Groundwater will have land use controls and will be monitored to ensure contaminants do not migrate past the "Containment Zone." Final ROD document delivered 9/5/2007. Approval signatures from Air Force, USEPA, DTSC, and RWQCB provided on 9/11, 9/24, 9/26, and 10/1/2007 respectively.

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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 10/21/2008  
Comments: DTSC has concurred with finalizing the FS allowing OU 1 to move to the Proposed Plan stage. Thirty six of the 48 sites have been categorized as "No Further Action" either because contamination was not found or the contamination was petroleum-only (which moves these sites to the jurisdiction of the Kern County Health Dept under RWQCB authority). Site 45 has been sufficiently remediated and assigned NFA. As only VOCs are contaminants of concern, the remaining 11 sites have been grouped into the "North Plume/Site 19 Plume", the "South Plume" and the "Site 44 Plume". Remedial alternatives were designed around the remediation of these three plumes.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 10/15/2004  
Comments: This FS summarizes the backgrounds, plume characteristics, and remedial action alternatives evaluated for sites recommended for remedial action within Operable Unit 6 (OU-6). The report includes preliminary cleanup goals, technical approach comparisons, and cost comparisons of applicable remedial alternatives. Sites in OU-6 are not currently used for residential purposes, nor is such use anticipated; therefore, the FS focuses on industrial use considerations. The preferred alternative recommended for the Proposed Plan is Source Control and Hydrologic Control with Groundwater Monitoring.

Completed Area Name: OU-3 Basewide Homestead Wells  
Completed Sub Area Name: Not reported  
Completed Document Type: Record of Decision  
Completed Date: 11/06/2003  
Comments: RAP - OU3 -- The U.S. Environmental Protection Agency, the U.S. Air Force, and the State of California have selected No-Action as the remedy for Edwards AFB Operable Unit (OU)3. OU3 is defined as the basewide water wells and originally include 660 potential well sites determined from historical records and archival research. Initial site investigations determined that eight of the 660 wells were suspected as potential contaminant pathways to groundwater and were retained in OU3 for further evaluation. Subsequent investigations determined that none of the eight wells retained in OU3 had contributed to any groundwater contamination and, furthermore, no soil contamination was found in the vicinity of any of the wells.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: S172  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/30/2003  
Comments: OM - S172 -- In January 2000, the Air Force implemented an interim removal action (IRA) consisting of soil vapor extraction (SVE) at Site 172, the outdoor waste sump at Building 8595 in Operable Unit 4, Air Force Research Laboratory. The primary objective of the IRA at Site 172 is to remove contaminant mass and reduce the further migration of volatile organic compounds (VOCs) from contaminated soil into the Site 37 groundwater plume. The SVE system operated with one

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well initially; two more wells were added in August 2000. Four additional extraction wells were connected to the system, which was brought on line September 12, 2002, extracting vapor from seven wells. The cumulative mass of contaminants removed during the reporting period was 472 pounds. Vapor flow rates averaged approximately 42 standard cubic feet per minute (scfm) during January to August 2002, and 84 scfm during September to December 2002 following expansion of the well field from three to seven wells. The SVE operating cost for the year 2002, excluding labor, was \$95,172.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 133  
Completed Document Type: Removal Action Completion Report  
Completed Date: 06/27/2003  
Comments: RA - S133 -- Construction of the Groundwater Extraction Treatment System was completed between 01/09 and 04/18/2001 with testing of the system during the week of 04/23/2001 and startup on 04/30/2001. The system includes three groundwater extraction wells and an aboveground treatment system that uses liquid-phase granular activated carbon to remove volatile organic compounds (VOCs) in the extracted groundwater prior to discharge to the Air Force Research Laboratory (AFRL) sewage treatment plant. The system is designed for a maximum capacity of 50 gallons per minute (gpm); however, the volume of water extracted is limited by a discharge permit to 20 gpm.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Removal Action Completion Report  
Completed Date: 05/13/2003  
Comments: RA - STE25 -- This report summarizes the operational maintenance and system sampling data collected during the period from December 28, 2001 through July 1, 2002 for the Site 25 Groundwater Extraction and Treatment System (GETS), in Operable Unit No. 8. During the reporting period, approximately 4,483,000 gallons of groundwater were extracted and treated by the Site 25 GETS at an average flowrate of 19.9 gallons per minute. 20.5 pounds (lbs.) of trichloroethene (TCE) were removed from treated groundwater. As of July 1, 2002, the GETS removed a cumulative total of 28.7 lbs. of TCE from treated groundwater. The treatment system effluent is discharged to the base sanitary sewer under an industrial wastewater discharge permit issued by Edwards Air Force Base (AFB).

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL32  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 06/28/2002  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL31  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 06/28/2002  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL30  
Completed Document Type: Preliminary Endangerment Assessment Report

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Completed Date: 06/28/2002  
Comments: PEA - PRL30 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Managers for Operable Unit 7 - Basewide Miscellaneous Area of Concern (AOC) Number 400. The NFI determination for this site-specific action means that the AOC has been adequately investigated and that the results justify the determination. PEA - PRL31 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Managers for Operable Unit 1 - Main Base Flight Line Site Number 65. The NFI determination for this site-specific action means that the Site has been adequately investigated and that the results justify the determination. PEA - PRL32 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Managers for Operable Unit 2 - Ould South Base Site Number 96. The NFI determination for this site-specific action means that this Site has been adequately investigated and that the results justify the determination.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL29  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 03/29/2002  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL28  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 03/29/2002  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL27  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 03/29/2002  
Comments: PEA - PRL27 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Manager for Operable Unit 4 - Air Force Research Laboratory Site Number 146 and for Operable Unit 9 - East Air Force Research Laboratory Site Number 376. The NFI determination for these site-specific actions means that these Sites have been adequately investigated and that the results justify the determination. PEA - PRL28 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Manager for Operable Unit 7 - Basewide Miscellaneous Site Number 353 and Area of Concern (AOC) Numbers 268,368 and 371. The NFI determination for these site-specific actions means that these Sites/AOCs have been adequately investigated and that the results justify the determination. PEA - PRL29 -- No Further Investigation (NFI) documents signed by the Edwards Air Force Base Remedial Project Manager for Operable Unit 4 - Air Force Research Laboratory Site Number 7 and 146, and Area of Concern (AOC) Number 167 and 174. The NFI determination for these site-specific actions means that these Sites/AOCs have been adequately investigated and that the results justify the determination.

Completed Area Name: 426  
Completed Sub Area Name: Not reported  
Completed Document Type: \*Action Memorandum (if <\$1M)

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Completed Date: 10/11/2001  
Comments: RAW - S426 -- RAP of Edwards Air Force Base operable unit 7, site 426, includes both the Engineering Evaluation/Cost Analysis and Action Memorandum. The selected remedy for the chemical warfare site is containment excavation.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL26  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 12/13/2001  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL25  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 12/13/2001  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL24  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 12/13/2001  
Comments: PEA - PRL24 - Preliminary Endangerment Assessment (PEA) of Edwards Air Force Base, Operable Unit 4, sites 7 and 174 and area of concern 167, determined that these sites and of concern pose no environmental or Human Health Threat. This document administratively removes these sites from further investigation. PEA - PRL25 -- Preliminary Endangerment Assessment (PEA) Edwards Air Force Base, Operable Unit 7, Sites 295, 434, 435, 436 441 and area of concern 457, determined that these sites and area of concern pose no Environmental or Human Health Threat. This document administratively removes these sites from further investigation. PEA - PRL26 -- Preliminary Endangerment Assessment (PEA) Edwards Air Force Base, Operable Unit 9, Site 179, determined that this site poses no environmental or Human Health Threat. This document administratively removes this site from further investigation.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL23  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 09/17/2001  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL22  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 09/17/2001  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL21  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 09/17/2001  
Comments: PEA - PRL21 -- Concurrence provided on PEA equivalent document for OU7, AOCs 261, 262, 263, 264, and 265. PEA - PRL22 -- Concurrence provided on PEA equivalent document for OU10, Site 279. PEA - PRL23 -- Concurrence provided on PEA equivalent document for OU2, AOCs 458,

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459, and 460.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL20  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 06/11/2001  
Comments: PEA - PRL20 -- Concurrence provided on PEA equivalent documents for OU-5 sites 229, 235, 236, 238, 348, and 349 and AOCs 187, 190-192, 230, 246, 251, 253, 281, 283, 287, 288, 403, 420 423.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL19  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 06/08/2001  
Comments: PEA - PRL19 -- concurrence provided on PEA equivalent document for OU4, Site 186.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: \*Action Memorandum (if <\$1M)  
Completed Date: 12/04/2000  
Comments: RAW - STE25 -- Concurrence on the proposed interim removal action to treat groundwater contaminated with tetrachloroethylene and N-Nitrosodimethylamine. Extracted groundwater will be treated by carbon absorption and discharged to EAFB's sanitary sewer.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL18  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 03/15/2001  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL17  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 03/15/2001  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL16  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 03/15/2001  
Comments: PEA - PRL16 -- Concurrence provided on PEA equivalent documents for Operable Unit #4, Site 150 and Area of Concern 168. PEA - PRL17 -- Concurrence provided on PEA equivalent documents for Operable Unit #7 Sites 4 and 34 and Areas of Concern 388 and 394. PEA - PRL18 -- Concurrence provided on PEA equivalent documents for Operable Unit #8, Site 2.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL15  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 02/07/2001  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL14

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Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 02/07/2001  
Comments: PEA - PRL14 -- Concurrence provided on PEA equivalent documents for Operable Unit #10, Area of Concern 243. PEA - PRL15 -- Concurrence provided on PEA equivalent documents for Operable Unit #1, Sites 46, 55 and 366.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL13  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 02/08/2001  
Comments: PEA - PRL13 -- Concurrence provided on PEA equivalent documents for Operable Unit #4, Site 12 and Areas of Concern 121, 155 and 164.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: STE18  
Completed Document Type: \* Remedial or Removal Design  
Completed Date: 08/02/1999  
Comments: DES - STE18 -- Approval of dual extraction system design for interim removal action to treat TCE contaminated soil and groundwater.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL12  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 04/21/2000  
Comments: PEA -- Concurrence provided on PEA equivalent documents for OU-3, sites 30,412,413,414, and 415.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL11  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 01/05/2000  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL10  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 01/05/2000  
Comments: PEA - PRL10 -- Concurrence provided on PEA equivalent documents for OU-4, areas of concern 122, 141, 170, and 171. PEA - PRL11 -- Concurrence provided on PEA equivalent document for OU-5, area of concern 233.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL9  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 09/29/1999  
Comments: PEA - PRL9 -- Concurrence provided on PEA equivalent documents for OU-2, Sites 105, 109, 111, and 364.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL8  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 09/29/1999  
Comments: PEA - PRL8 -- Concurrence provided on PEA equivalent documents for OU-3, Sites 409, 410, 411, and 416.

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Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL7  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 02/26/1999  
Comments: PEA - PRL7 -- Concurrence provided on PEA - equivalent documents for OU-10 sites 228, 232, and 256.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: S223  
Completed Document Type: \* Remedial or Removal Design  
Completed Date: 02/02/1999  
Comments: DES - S223 -- Design for installing, operating and evaluating the SVE and air sparging systems at Site 223 in OU-2.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: SIT14  
Completed Document Type: \* Remedial or Removal Design  
Completed Date: 02/01/1999  
Comments: DES - SIT14 -- Design for installing, operating, and evaluating the groundwater extraction and treatment system at Site 14 in OU-2.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: B8595  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 01/28/1999  
Comments: PEA - B8595 -- Investigation and closure of AOC's 170-172 in Building 8595 in OU-4.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL6  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 10/01/1998  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: SRAM  
Completed Document Type: Removal Action Completion Report  
Completed Date: 08/03/1998  
Comments: RA - SRAM -- Time critical removal action taken to destroy short range attack missile motor.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 04/27/1999  
Comments: OM - OU-6 -- APPROVAL OF THE O&M PLAN FOR OU-6 SITES, N2, N3 AND N7.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: S133  
Completed Document Type: \*Action Memorandum (if <\$1M)  
Completed Date: 10/17/2000  
Comments: RAW - S133 -- The proposed Interim Removal Action consists of the extraction of groundwater contaminated with solvents, primarily trichloroethylene, and treatment by liquid phase granular activated carbon. Treated effluent will be discharged to the Base's sanitary sewer system. A total of 43,200 gallons per day of groundwater will be extracted and treated.



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Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL5  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 10/01/1998  
Comments: PEA - PRL5 -- EAFB has adequately investigated the OU-5 NASA Jet Propulsion laboratory PRL Sites 195, 200, 201, 243, 289 and 350 (collectively, PRL5). DTSC finds that the documents are equivalent to a PEA document. PEA - PRL6 -- EAFB has adequately investigated the OU-2 Old South Base PRL Sites 75, 77, 89, 95, 97 and 99 (collectively, PRL6). DTSC finds that the documents are equivalent to a PEA document.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL4  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 07/29/1998  
Comments: PEA - PRL4 -- Edwards AFB has adequately investigated the OU-2 Old South Base PRL sites 72, 73, 78, 79, 84, 87, 98, 100, 101, 104, 290, 291 and 417 (collectively, PRL4) DTSC finds that the documents are equivalent to a PEA document.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: PRL1  
Completed Document Type: Preliminary Endangerment Assessment Report  
Completed Date: 12/12/1996  
Comments: Not reported

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: S223  
Completed Document Type: Removal Action Completion Report  
Completed Date: 06/01/1999  
Comments: RA - S223 -- Implementation of a SVE/Air sparging system to remediate fuel contaminated soil and groundwater.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 14  
Completed Document Type: Removal Action Completion Report  
Completed Date: 06/11/1999  
Comments: RA - SIT14 -- Implementation of a GW extraction/treatment system to remediate TCE contaminated GW. System implemented consists of 4 extraction wells and an above ground treatment system using carbon adsorption.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: SIT29  
Completed Document Type: Removal Action Completion Report  
Completed Date: 06/04/1998  
Comments: RA - SIT29-- Removal action consisted of fencing the site for access restriction and conducting long - term groundwater monitoring.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: S223  
Completed Document Type: \*Action Memorandum (if <\$1M)  
Completed Date: 05/07/1998  
Comments: RAW - Site 223 -- Petroleum hydrocarbon contamination in soil and groundwater will be treated using soil vapor extraction/vapor treatment for soils and air sparging for groundwater. Monitoring of

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the system will also be required.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: SIT14  
Completed Document Type: \*Action Memorandum (if <\$1M)  
Completed Date: 05/07/1998  
Comments: RAW - SITE14 -- Groundwater at Site 14 contaminated with petroleum hydrocarbon, volatile organics, and semi-volatile organics will be treated via extraction and treatment by liquid-phase granular activated carbon adsorption, then reinjected into the groundwater aquifer

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: SIT29  
Completed Document Type: \*Action Memorandum (if <\$1M)  
Completed Date: 05/07/1998  
Comments: RAW - SIT29 -- The South Base abandoned landfill has been fenced and will be monitored.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 02/09/2006  
Comments: The FS evaluated alternatives for each site in Operable Unit 2 - South Base. The preferred remedial alternatives for each site are summarized below: Sites 5/14 Contaminant Plume In-situ treatment of the commingled fuel and solvent contamination in groundwater with the maintenance of plume containment, long-term monitoring, and institutional controls. Pilot testing will be conducted to evaluate the appropriate method for in-situ treatment. Sites 76 and 86 Active groundwater restoration through the use of in-situ treatment and institutional controls for groundwater contaminated with trichloroethylene. Pilot testing will be conducted to evaluate the appropriate method for in-situ treatment. Site 29 Removal of recently emplaced surface debris, institutional controls, storm water controls, and long-term monitoring for the two former landfill areas. Site 69 Removal and on-base waste disposal of buried and surface debris from the Old South Base North Landfill. Excavated materials will be consolidated within the Main Base active landfill. Sites 81 and 102 Removal and off-site treatment or recycling for skeet target fragments from two former skeet ranges located in the Old South Base area.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Removal Action Completion Report  
Completed Date: 12/10/1997  
Comments: The Dual Extraction System at the source area of the Sites 5 and 14 plume is in place and operational. The system addresses "Hot Spot" soil and groundwater contamination from leaking USTs.

Completed Area Name: MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 06/30/1997  
Comments: RA Site 7 & AOC 167. Beryllium soil contamination consolidated in an on-site waste management unit. Site is capped and revegetated and its

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location recorded in the Base Comprehensive Plan.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 16  
Completed Document Type: Removal Action Completion Report  
Completed Date: 06/30/1997  
Comments: SIT16 DES Removal Action Completion - Initial operation of the Dual Extraction System began on March 18, 1997. The system is considered to be fully operational for long term use. The DES is extracting soil vapor and groundwater contaminated with JP-4 from the Building 1820 JP-4 Fuel Spill.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: SIT45  
Completed Document Type: Removal Action Completion Report  
Completed Date: 05/22/1997  
Comments: Not reported

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: \*Action Memorandum (if >\$1M)  
Completed Date: 06/30/1997  
Comments: RAP, OU-2 Site 5/15 Source Area Action Memorandum. Dual Phase Extraction selected for VOC and Fuel contamination in soil and groundwater.

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: SIT18  
Completed Document Type: Remedial Action Plan  
Completed Date: 05/29/1997  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: SIT16  
Completed Document Type: Remedial Action Plan  
Completed Date: 09/30/1996  
Comments: Not reported

Completed Area Name: Sites With No Operable Unit  
Completed Sub Area Name: SIT45  
Completed Document Type: Remedial Action Plan  
Completed Date: 09/30/1996  
Comments: Not reported

Completed Area Name: MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan  
Completed Date: 09/30/1996  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Participation Plan / Community Relations Plan  
Completed Date: 05/31/1994  
Comments: PPP - DTSC approved a Public Participation Plan (revision) for Edwards Air Force Base.

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Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 16  
Completed Document Type: Removal Action Completion Report  
Completed Date: 01/30/1993  
Comments: Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 01/30/1993  
Comments: RA (OU1BV): Removal of JP-4 fuel in the vadose zone by injection of air underground to provide oxygen to native bacteria which feed on petroleum hydrocarbons. This process is being employed at Site 16 - Fuel Spill and at Site 21 - Jet Engine test cell facility. RA (OU1FP): Installation, development and activation of six scavenger pumps to remove free product from the groundwater surface at Site 16.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 01/30/1992  
Comments: RA (OU1PR): Construction of a new JP-4 jet fuel pipeline to replace existing pipeline from fuel tank farm to flight line (4.5 miles) with double-walled pipe and leak detectors. No contaminated soil was removed with this action.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Participation Plan / Community Relations Plan  
Completed Date: 04/30/1991  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Screening  
Completed Date: 02/10/1987  
Comments: Site Screening Done.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Proposed Plan  
Completed Date: 06/01/2005  
Comments: No significant public comments received.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Removal Action Workplan  
Completed Date: 03/25/2005  
Comments: This IRA Work plan includes additional characterization to delineate free product jet fuel and installation of a Vapor Extraction System to remediate soil and groundwater and removal of free product.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 06/23/2005  
Comments: Final approval letter sent.

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Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 11/09/2004  
Comments: Final RI Report

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site CWM-A  
Completed Document Type: Feasibility Study Report  
Completed Date: 09/14/2007  
Comments: Site 442 CWM concurrence letter sent 9/14/07.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site CWM-A  
Completed Document Type: Remedial Investigation Report  
Completed Date: 08/04/2006  
Comments: Final Report received 7/10/2006. Originally 27 sites/AOCs. RPMs agreed that 24 sites and 2 AOCs posed minimal risk to human health and environment due to CWM-related contamination and were either NFA or administratively closed under CERCLA in the Site Inspection phase. DTSC concurrence on Final document by email 8/4/2006. Two sites, Site 426 and Site 442, to be carried forward.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site CWM-A  
Completed Document Type: Proposed Plan  
Completed Date: 05/01/2008  
Comments: Final version received 5/1/2008. Public comment period ended 6/16/2008.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site CWM-A  
Completed Document Type: Record of Decision  
Completed Date: 09/25/2009  
Comments: This ROD is for the Chemical Warfare Materiel Operable Unit, where miscellaneous former chemical warfare materials were buried in several waste cells at Sites 442-1, -2, and -3. Chemical wastes are not thought to be present in these waste cells, but as a safety precaution, no invasive sampling was performed. Furthermore, the suspected materials are believed to have degraded since disposal. However, as a precaution, a protective remedy was selected. The selected remedy includes grading to redirect surface drainage to limit infiltration, an envirotranspiration surface cap, long term monitoring and land use controls. This ROD also selects "No Further Action" for Site 426 which was once thought to contain chemical warfare materials.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 10/22/2008  
Comments: DTSC concurrence on "Final" Operable Unit 5/10 RI Summary Report. 87 sites were identified within OU 5/10, the sites were classified into the following categories: 35 sites were removed from the CERCLA process as requiring No Further Investigation following the PA/SI phase; 15 sites were removed from the CERCLA process on the condition that contaminated soil or groundwater be addressed as part of

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remedial actions for Site 282 or 285; 23 sites were removed from the CERCLA process as petroleum only sites. Fourteen sites (Sites 1, 231, 233, 239, 240, 242, 274, 275, 278, 279[soil only], 282[groundwater only], 285, 287[groundwater only], and 422[groundwater only]) were evaluated in this document and will continue on through the FS.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Proposed Plan  
Completed Date: 06/28/2006  
Comments: DTSC concurred with the OU2 Proposed Plan concurrence letter. Air Force proposes the following remedies for groundwater at Sites 5, 14, 76, and 86; soil and debris at sites 29, 29, 69, 81, and 102; and NFA remedies at the last four sites, Sites 78, 79, 96, and Area of Concern (AOC) 417

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 10/25/2006  
Comments: DTSC concurrence with the OU-4/9 Soil and Debris Sites Feasibility Study Report. Preferred remedial alternatives include: Site 36 - Land Use Controls only (vehicle gate, warning signs, and land use restrictions. Site 312 - clean closure of the site to residential use standards, off-site disposal of excavated soil and concrete. Site 318 - Land Use Controls. Sites 6 and 113 - Expand existing LUCs and install additional fencing. Site 115 - expand existing LUCs and backfill silos with clean soil and cap with concrete.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Proposed Plan  
Completed Date: 03/28/2006  
Comments: EPA and DTSC concurred with final version of the OU-4 AFRL Proposed Plan.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Proposed Plan  
Completed Date: 08/03/2007  
Comments: Final document concurrence letter sent 8/3/07. No Further Action proposed for Sites 7, 26, 150, 153, 166, 172, 329, and 396, AOCs 170 and 171. Actions required for Sites 13, 36, 167, 312, 318, 6 and 113, and 115. Actions include continued groundwater monitoring, fencing, LUCs to prohibit residential uses and restrict industrial/construction uses.

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Record of Decision  
Completed Date: 09/04/2008  
Comments: Final ROD addresses the soil and debris media at 16 sites and two areas of concern (AOCs) located within OUs 4 and 9 and also the groundwater medium at Sites 6 and 113. Further Action required for the following sites: OU4 (Sites 13, 36, 167, 312, and 318), OU9 (Sites 6, 113, and 115). Interim remedial actions have reduced formerly high contaminant concentrations to levels acceptable for

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unrestricted use at Sites or AOCs 7, 26, 153, 166, 170, 171, 172, and 396. These sites will be Certified. No further action determinations were made for Sites 150 and 329 where contaminants were below unrestricted use levels.

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 01/15/2009  
Comments: This Focused Feasibility Study supports a technical impracticability (TI) evaluation and designation of a containment zone (CZ) for groundwater plumes at Sites 162 and 461 at the Air Force Research Lab, Edwards AFB. Chemicals of Concern are present in fractured bedrock at levels that pose an unacceptable risk to human health and the environment, however this FS concludes that it is impracticable to remove the COCs and recommends measures to prevent exposure to contaminated soil and groundwater.

Completed Area Name: 9 - Air Force Research Lab - East  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 02/08/2006  
Comments: DTSC concurrence with Final document, no letter sent. Of the 46 original sites in OU-9, 36 sites have been excluded from the CERCLA process and the 10 remaining sites are recommended for remedial action. 29 Sites were recommended for NFA in the Site Inspection Phase, 6 are managed under the UST program, and 1 site remains active. The 10 remaining sites include: Sites 6 and 113 (Abandoned Mine Shafts used for propellant waste disposal) contain waste left in place that is unsafe to investigate, and eight groundwater plumes at sites 27, 115, 116, 125, 127, 178, 321, and 325.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 06/07/2006  
Comments: DTSC concurred with RI Summary Report. Site Inspection phase eliminated nine sites from the CERCLA process as NFA. Eight sites are recommended for Feasibility Study.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 04/30/2008  
Comments: Concurrence on Final document delayed due to workload and higher priority document reviews by DTSC and Fish and Game.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 04/30/2008  
Comments: Concurrence on Final version of document delayed due to heavy workload and higher priority document reviews by DTSC and Fish and Game.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Document Type: Inventory Project Report (INPR)  
Completed Date: 06/05/1990  
Comments: Not reported

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Pilot Study/Treatability Workplan  
Completed Date: 11/20/2008  
Comments: This addendum to the OUs 4/9 Workplan provides a summary of information to-date and outlines additional work to be performed for the bioremediation pilot study for the cleanup of plumes in the Arroyos portion of the South AFRL at EAFB.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 282  
Completed Document Type: Treatability Study Workplan  
Completed Date: 01/06/2009  
Comments: Comments to Draft Workplan rec'd 8/20/08 were provided on 9/20/08. The Final workplan was received 11/6/08 and approved on 1/6/09.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 01/16/2009  
Comments: This document is the first phase ecological screening evaluation of the sites listed in the title. Site 233, and AOCs 284 and 287 have moved on to the next phase of evaluation while the remaining sites are considered no action for ecological issues.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 3  
Completed Document Type: Proposed Plan  
Completed Date: 01/25/2010  
Comments: This is the proposed plan for the Air Force's proposed remedy for Site 3 in OU 7. The Air Force proposes a remedy that includes consolidation of some of the landfill cells, capping the cells using an "evapotranspiration cover", and conducting monitored attenuation monitoring. Additionally, land use covenants will be applied to the site.

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Proposed Plan  
Completed Date: 09/23/2009  
Comments: Document summarizes the investigation/feasibility study, and proposes the clean up remedy of the TCE/perchlorate/other VOC groundwater contamination at the Arroyos which is in OUs 4/9 along the northwestern side of the Edwards Air Force Research Laboratory. The proposed remedy is to apply a "Containment Zone" of the contaminated aquifer and if applicable, in the distant future institute active remediation if/when the plume(s) reach the alluvial aquifer.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 3  
Completed Document Type: Well Installation Workplan  
Completed Date: 01/29/2009  
Comments: This document provides the details for addressing data gaps



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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

identified in the FS. Work to be performed includes the installation of downgradient monitoring wells, and landfill soil gas monitoring wells. Draft final and comment resolution handled electronically. DTSC concurred with the final changes; all comments have been addressed. No final concurrence letter needed or sent.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 16  
Completed Document Type: Well Decommissioning Workplan  
Completed Date: 02/04/2009  
Comments: Document presents the results of the 2007-2008 annual monitoring of the Site 16 (OU 1) SVE system. DTSC comments on the draft were adequately addressed. No concurrence letter on the final document needed or sent.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 19  
Completed Document Type: Treatability Study Report  
Completed Date: 01/02/2009  
Comments: Documents the status of the Site 19 Bioremediation Treatment Study.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 04/02/2009  
Comments: This document presents the ecological risk assessments for Sites 233 and 284. DTSC and DFG concurs.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 04/02/2009  
Comments: The ecological risk assessment for Site 233, AOC 284, and AOC 287 have been reviewed and accepted by DTSC and DFG. No formal concurrence letter needed or sent.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 02/02/2009  
Comments: Document provides the results of the 2007-2008 annual groundwater monitoring performed at the AFRL (OUs 4/9). All of DTSC comments on the draft document were addressed; no concurrence letter on the final needed or sent.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 01/21/2009  
Comments: This document presents the results of the 2007-2009 annual groundwater monitoring and groundwater extraction system performance for site 285 at Operable Units 5 and 10. DTSC has reviewed and concurs with the final document; no concurrence letter needed or sent.  
Not reported

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported

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Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Document Type: Monitoring Report  
Completed Date: 02/09/2009  
Comments: Report provides the results of the annual groundwater monitoring for Operable Units 5 & 10 at EAFB. No final concurrence letter required or sent.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 02/25/2009  
Comments: This document presents a sampling plan for data the Air Force will use for designing the planned remedial systems at OU 1. The AF recognizes that without a signed ROD, the remedies have not yet been selected.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 09/02/2009  
Comments: Documents the proposed installation of various monitoring wells at Sites 282, 285, and AOC 287 at OUs 5/10 at EAFB

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Monitoring Report  
Completed Date: 09/16/2009  
Comments: Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 16  
Completed Document Type: Pilot Study/Treatability Workplan  
Completed Date: 01/06/2010  
Comments: This workplan is for the study of in-situ bioremediation groundwater treatment at Site 16.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Monitoring Report  
Completed Date: 08/24/2009  
Comments: This report presents the results of the December 2007 through November 2008 monitoring of the Site 25 Groundwater and Extraction Treatment System. This includes the monitoring of the VOC groundwater plume.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 18  
Completed Document Type: Monitoring Report  
Completed Date: 06/09/2009  
Comments: Documents the results of the annual monitoring of the Site 18 Dual Phase Extraction System. DTSC concurs, no concurrence letter required. Not reported

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 172  
Completed Document Type: Monitoring Report  
Completed Date: 06/17/2009  
Comments: This report presents the results of the 2008 soil vapor monitoring at

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**EDWARDS AIR FORCE BASE (Continued)**

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Site 172

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 19  
Completed Document Type: Well Completion Report  
Completed Date: 06/10/2009  
Comments: Report was issued as final. DTSC provided input via comment letter.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 29  
Completed Document Type: Monitoring Report  
Completed Date: 09/10/2009  
Comments: Not reported

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Treatability Study Workplan  
Completed Date: 12/07/2009  
Comments: This document comprises the workplan to conduct a chem-ox treatability study at Site 25. Chemical oxidants will be leached into the subsurface via infiltration galleries in an attempt to assess the viability of using this method to reduce the amount of VOCs in groundwater. DTSC reviewed and concurred with the responses to DTSC comments on the draft document. There was no draft final issued; DTSC concurs with the final document.

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 10/08/2009  
Comments: This Remedial Action Work Plan (RAWP) focuses on implementation of the remedial actions selected in the Soil and Debris Sites ROD. This RAWP outlines soil excavation, confirmation soil sampling, and/or groundwater well installation at Sites 13, 36, 167, 312, and 318. This RAWP also includes standard operating procedures in a Sampling and Analysis Plan and a Quality Assurance Project Plan (QAPP).

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 05/18/2010  
Comments: This workplan outlines the installation of additional wells for the remedial action to clean up groundwater at Operable Unit 6.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 11/02/2009  
Comments: Not reported

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 11/03/2009  
Comments: Report presents the results of the second phase of the In-Situ Chem Oxidation Treatability Study and the 2008 groundwater monitoring program. Chem ox treatment is reducing VOC concentrations in

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**EDWARDS AIR FORCE BASE (Continued)**

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groundwater. More applications are forthcoming.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 08/30/2010  
Comments: Workplan for obtaining background levels for arsenic and nitrate

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 11/25/2009  
Comments: This is the comprehensive 2007 annual groundwater monitoring report for 2007. DTSC has concurred; no concurrence letter required.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 76  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 10/20/2010  
Comments: Not reported

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 3  
Completed Document Type: Feasibility Study Report  
Completed Date: 01/07/2010  
Comments: This documents the results of the data gaps investigation (additional monitoring wells and groundwater and soil gas (via previously installed permanent vapor wells)sampling to support the FS. Also included was an update to the VOC degradation study and a greater level of details on cleanup alternative cost estimates than was provided in the FS. At DTSC concurrence, no draft final was prepared and instead the Air Force worked with DTSC to address all of DTSC comments on the draft document.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 10/12/2009  
Comments: This report documents the installation and initial monitoring of wells for the South AFRL remedial action. DTSC has identified one potential issue (that of adequate downgradient control for Site 120) which will be addressed by the Air Force.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 11/12/2010  
Comments: Document presents the plan to perform the remedy (groundwater cleanup) at Site 86.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 231  
Completed Document Type: Engineering Evaluation / Cost Analysis - Time Critical  
Completed Date: 05/10/2010  
Comments: This EE/CA presents the case for conducting a Non-Time (subsequently changed to a "Time") Critical Removal Action for lead-contaminated soil at Site 231 in OU 5/10. It will be performed via a "scoop and

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Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

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haul" method with an Air Force goal of achieving a "no further action" designation for this site.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 242  
Completed Document Type: Engineering Evaluation / Cost Analysis - Time Critical  
Completed Date: 05/11/2010  
Comments: This EE/CA presents the case for conducting a Non-Time Critical Removal Action for PCB-contaminated soil at Site 242 in OU 5/10. It will be performed via a "scoop and haul" method with an Air Force goal of achieving a "no further action" designation for this site.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 231  
Completed Document Type: Other Report  
Completed Date: 09/20/2011  
Comments: This Action Memorandum provides the administratively required justification for completing the lead-impacted soil removal action at Site 231

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 04/28/2010  
Comments: This workplan provides for the installation of monitoring wells at the referenced sites to fill data gaps for the Air Force to proceed to the Feasibility Study.

Completed Area Name: 4/9 AFRL Misc. Documents  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 03/01/2010  
Comments: Report provides the results from the 2008 installation of monitoring wells for the AFRL Arroyos and Northeast AFRL plumes. Additional wells are needed and a workplan to install these additional wells is under DTSC review.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 02/18/2010  
Comments: Provides the Purpose, data quality objectives, and schedule for the next phase (referred to as the "Eco" phase) of wells to be installed at the South AFRL to monitor the plume extents and meet the ROD requirements.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 05/10/2010  
Comments: This workplan is for the installation of monitoring wells to address selected data gaps for the groundwater plumes in OU 1. In April 2010 DTSC participated in a technical workgroup meeting to resolve comments and select final well locations.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285

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Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Document Type: Monitoring Report  
Completed Date: 12/02/2009  
Comments: This report summarizes the annual (04/08-04/09) operations and monitoring for Site 285 at OUs 5/10. DTSC did not review.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/22/2009  
Comments: Report provides the results of the 2008 annual groundwater monitoring for the Arroyos, Northeast AFRL, and South AFRL at OUs 4/9

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 08/02/2010  
Comments: Develops background groundwater concentrations for Nitrate, selected anions, and TDS.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 10/06/2010  
Comments: Workplan to initiate in-situ chemical oxidation of VOCs in groundwater at Sites 5 and 14 in Operable Unit 2.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 01/19/2010  
Comments: Provides the results of the August 2008-April 2009 Groundwater Monitoring Program for combined Operable Units 5 and 10.

Completed Area Name: Multiple OUs - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 05/18/2010  
Comments: Workplan to install monitoring wells to address groundwater data gaps at the Northeast AFRL and a few of the Mars. Blvd. sites. Does not address all identified data gaps; there will be a future separate workplan for those data gaps.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 01/26/2011  
Comments: Workplan to assess the VIP at Sites 16 and 18.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 333A  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 10/01/2010  
Comments: Presents the results of the treatability study for groundwater at site 333. Injection of substrate resulted in degradation of primary contaminants to secondary contaminants (1,2-DCE) where degradation stalled even after bioaugmentation was applied. AF has agreed to continue monitoring to see if contaminant degradation continues.

Map ID  
Direction  
Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Monitoring Report  
Completed Date: 07/26/2010  
Comments: Provides the results of the Nov '08 through Oct '09 SVE operations.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 29  
Completed Document Type: Other Report  
Completed Date: 10/25/2010  
Comments: This document presents the results of the surface debris removal and subsurface investigation to delineate the extent of and identify the general contents of the buried debris at Site 29. It was meant to feed into the remedial design. However, the results show that only limited innocuous (generally concrete, bottles, cans, etc.) are present. As a result, the Air Force turned this document into an FS addendum and added an evaluation of removing the buried debris.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 18  
Completed Document Type: Monitoring Report  
Completed Date: 08/12/2010  
Comments: Annual monitoring report for the OU 1, Site 18 Dual-phase extraction system for the remediation of VOCs in soil and groundwater.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 3  
Completed Document Type: Record of Decision  
Completed Date: 09/21/2012  
Comments: After significant delay due to unacceptable changes made by the Air Force (AFCEE) in the draft final revision 1 and revision 2, and subsequent negotiation and modifications, the Federal Facility Agreement signatories agreed to finalize and sign the ROD in September 2012. This is a former municipal landfill that contains some (estimated to be small) amount of hazardous wastes that have resulted in a small VOC groundwater plume undergoing natural biodegradation. The remedy is to consolidate some of the more distant waste cells into a cell in the main portion of the landfill, apply land use controls restricting building on and in the vicinity of the landfill, conduct further studies of the bedrock aquifer, and monitor the continued degradation of the VOCs in groundwater.

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 05/15/2010  
Comments: This report is the equivalent of a Remedial Investigation for military munitions for areas where the Air Force has identified as "closed" and no longer will be used for range operations. DTSC has reviewed and generally concurred with the results. In an August 2009 meeting, DTSC identified the need for further action in four areas.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Quality Assurance Workplan  
Completed Date: 12/03/2010  
Comments: Presents the workplan to install an SVE system at OU 1 Site 58.

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 14  
Completed Document Type: Monitoring Report  
Completed Date: 08/30/2010  
Comments: DTSC reviewed the draft annual groundwater monitoring report, and no comments and concurred with finalization.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 06/21/2010  
Comments: This workplan describes the plan for collecting and analyzing soil samples in source areas at OU 1. The data will be used in developing potential remedial designs which will be finalized in the Record of Decision

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 282  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 09/22/2010  
Comments: Reports the status of the treatability study for groundwater at Site 282. DTSC disagrees with the conclusion that the process is not viable for treating groundwater at Site 282 and has conveyed this in a letter on the final document.

Completed Area Name: Multiple OUs - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Treatability Study Report  
Completed Date: 10/01/2010  
Comments: Presents the results of the Treatability Study for GW contamination at Sites 162, 177, and 325. Study shows that these processes are technically feasible for contaminant clean up and they will be evaluated in the FS as part of remedy option evaluations.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Not reported  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 11/10/2010  
Comments: Provides the remedial design for the remedy for Site 442.

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 08/09/2010  
Comments: Workplan to install wells to address data gaps and provide data to support proposed remedy in the draft Arroyos ROD.

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide  
Completed Sub Area Name: Not reported  
Completed Document Type: Engineering Evaluation / Cost Analysis - Time Critical  
Completed Date: 08/19/2010  
Comments: Finalized on 8/19/2010. Some sites will move to either an FS or will undergo removal actions via and Engineering Evaluation/Cost Analysis.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report



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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Date: 12/31/2010  
Comments: This is the annual GW monitoring report for the period listed in the title. DTSC has concurred w/the final.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 07/19/2010  
Comments: Work plan on strategy to determine basewide determination of nitrate, selected anions, and TDS. No new field work proposed; will comprise the analyses of existing data. DTSC did not review; deferred review to the other regulatory agencies.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 03/05/2011  
Comments: Documents the work to conduct an assessment of the presence of lead shot and skeet fragments at Sites 81 and 102

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 03/05/2011  
Comments: Presents the plan for conducting grid sieving of shallow soil to assess presence of skeet fragments and lead shot in soil at the two sites.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 29  
Completed Document Type: Removal Action Completion Report  
Completed Date: 07/27/2010  
Comments: This report documents the removal of 94,000 cubic yards of waste debris at Site 29 in Operable Unit 2. Wastes were segregated and either transported to recycling facilities or waste disposal facilities depending upon classification. Action will result in "clean closure" of this site.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 12/01/2010  
Comments: Provides the 4/09-4/10 final report for the Site 285 Groundwater Extraction system

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 231  
Completed Document Type: Site Characterization Workplan  
Completed Date: 09/13/2010  
Comments: Workplan to install collect shallow soil gas samples, soil samples, groundwater samples, and install wells for risk screening purposes and source characterization.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 02/02/2011

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Direction  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Comments: Annual monitoring report for OU 8 sites

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 02/04/2011  
Comments: Not reported

Completed Area Name: 4/9 AFRL Misc. Documents  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 03/14/2011  
Comments: Presents the 2009 annual groundwater monitoring results at various AFRL sites.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/07/2012  
Comments: Provides the results of the vapor intrusion sampling and assessment of the South AFRL. There is potential indication of low risk to selected buildings. Because of the transitory nature of soil vapor in the subsurface, the Air Force will conduct an additional monitoring round for the next South AFRL Five Year Review. There is an approximate 5x10<sup>-6</sup> risk to occupants of Building 8595. To mitigate, the Air Force has agreed to continue to operate the SVE system to "break" the vapor pathway to the building.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 02/18/2011  
Comments: Presents the strategy for sampling wells to identify nitrate sources at Edwards AFB

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 08/19/2011  
Comments: 2009 Annual Monitoring Results for OU 1

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 07/01/2011  
Comments: Provides the results of the remedial action for the OUs 4 & 9 Soil and Debris Sites ROD. Action is complete for Sites 36, 6, and 113, but per DTSC and EPA comments the AF has agreed that a ROD Amendment is needed for Site 312 as they were unable to remove all the PCB-impacted soil.

Completed Area Name: 4/9 - Northeast AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 04/08/2011  
Comments: Workplan to conduct an aquifer test in the Northeast AFRL for assessing aquifer parameters for future modeling updates.

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Distance  
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Completed Area Name: Military Munitions Response Program (MMRP) - Basewide  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 10/13/2010  
Comments: Provides the Phase II MMRP investigation of various areas of the base. Conclusions are that several areas will be designated as "No Further Action" while additional areas (AL504, AL505-2), and AL505-4) will undergo Feasibility Study (with required data gaps work) or a removal action via the EE/CA process.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 29  
Completed Document Type: Proposed Plan  
Completed Date: 01/18/2011  
Comments: Proposed plan to explain the change in the remedy for Site 29. Plan now is to excavate for clean closure.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 12/20/2010  
Comments: PERA for select OU 7 Sites at EAFB.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 339  
Completed Document Type: Site Characterization Workplan  
Completed Date: 12/20/2011  
Comments: Workplan to fill data gaps at Site 339 so the site can move to the ROD stage.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan  
Completed Date: 08/01/2011  
Comments: Site Characterization and Plume Delineation Work Plan to fill data gaps at OUs 5/10 Sites 231, 240/241, 275, 282, 285, and 422.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation / Feasibility Study  
Completed Date: 04/01/1996  
Comments: 1996 Operable Unit 1 RI Report. Note, there is a subsequent (2004) supplemental OU 1 RI report

Completed Area Name: 4/9 - Northeast AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 08/30/2014  
Comments: Rather than send a letter on the final report, DTSC will provide any needed input in comments on the Draft Northeast AFRL FS as this modeling report is incorporated into the FS

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 05/23/2011  
Comments: Provides the results of the final phase of the groundwater remedy

Map ID  
Direction  
Distance  
Elevation

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**EDWARDS AIR FORCE BASE (Continued)**

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treatment. Information will be used in the pending 5-year review of the OU 6 ROD remedy.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels

Completed Sub Area Name: Site 25

Completed Document Type: Well Installation Workplan

Completed Date: 08/01/2011

Comments: Well installation and geophysics survey to fill data gaps for Feasibility Study.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base

Completed Sub Area Name: Site 231

Completed Document Type: Removal Action Completion Report

Completed Date: 08/01/2011

Comments: Documents the results of the (mostly lead) soil contamination cleanup of Site 231 at OUs 5/10

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide

Completed Sub Area Name: Not reported

Completed Document Type: Removal Action Workplan

Completed Date: 02/10/2012

Comments: Workplan to conduct a surface clearance of military munitions for 2 offsite areas adjacent to the base and one-site area at EAFB.

Completed Area Name: 4/9 - Soil and Debris Sites

Completed Sub Area Name: Not reported

Completed Document Type: Technical Report

Completed Date: 06/01/1995

Comments: Presents the background levels for various inorganics in soil and bedrock at the AFRL area.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base - MULTIPLE SITES

Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Report

Completed Date: 12/30/2011

Comments: Results of the aquifer tests and associated model update for OU 5/10 sites

Completed Area Name: 4/9 - Northeast AFRL

Completed Sub Area Name: Not reported

Completed Document Type: Site Characterization Workplan

Completed Date: 08/22/2011

Comments: Workplan to assist in groundwater flow model projections

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base

Completed Sub Area Name: Not reported

Completed Document Type: Monitoring Report

Completed Date: 11/07/2011

Comments: Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline

Completed Sub Area Name: Site 58

Completed Document Type: Monitoring Report

Completed Date: 07/29/2011

Comments: Annual monitoring report for Site 58 SVE system

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide

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Direction  
Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 02/10/2012  
Comments: Action Memo justifying the reason for the non-time critical action for MMRP clearance at surface for 5 parcels.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Monitoring Report  
Completed Date: 01/10/2012  
Comments: Site 25 GETS Annual Groundwater Monitoring Report for 2010. Annual monitoring report for the Site 25 Groundwater Extraction Treatment System. DTSC has reiterated a request for the Air Force to restart the GETS system.

Completed Area Name: 4/9 - Northeast AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 05/24/2012  
Comments: Workplan to collect data and assess the vapor intrusion pathway at occupied buildings in the Northeast AFRL and Mars Blvd sites in OUs 4/9

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 12/19/2011  
Comments: Workplan to fill data gaps at Site 61, 299, and 301. FS will be updated pending receipt of the data acquired from this work.

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 04/13/2012  
Comments: Provides the workplan for collecting data and assessing the vapor intrusion pathway for occupied buildings at the Arroyos

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 16  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 01/24/2012  
Comments: Site 16 In Situ Bioremediation Study Status Report

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 14  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/13/2011  
Comments: Annual report documenting the status of the Site 14 groundwater extraction system. System is operating as planned; however sidegradient and downgradient extent of TCE plume is still undefined. AF is conducting a monitoring well installation program to define the extent of the plume.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 29  
Completed Document Type: Record of Decision - Amendment  
Completed Date: 10/16/2012

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Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

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Comments: Record of Decision Amendment to change the remedy to a "Clean Closure" from the prior remedy of capping and land use covenants.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan  
Completed Date: 10/28/2011  
Comments: Workplan to perform Tracer Test to assess bedrock aquifer fracture zone for modeling and groundwater monitoring.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 12/29/2011  
Comments: Characterization of the Vapor Intrusion Pathway at two selected buildings at Sites 16 and 18. Data indicate low risk to building occupants.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/09/2011  
Comments: OU 5/10 AGMR

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 01/30/2012  
Comments: Annual Monitoring Report for the Site 285 Groundwater Extraction System

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 18  
Completed Document Type: Monitoring Report  
Completed Date: 12/23/2011  
Comments: 2010 Annual report on the Site 18 Groundwater and vapor extraction system

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Pilot/Treatability Study Report  
Completed Date: 12/23/2011  
Comments: Final report for the ISCO treatability study at Site 25. Results are mixed; some trouble getting delivery of the chemical to the contaminated groundwater. Final decision is to continue to monitor to see if ISCO eventually makes it to the contaminated zone.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Quality Assurance Workplan  
Completed Date: 05/17/2012  
Comments: This is the revised Basewide QAPP which includes updated standard operating procedures for field and analytical work at Edwards AFB.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report

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Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Date: 01/30/2012  
Comments: AGMR for 2010 Groundwater Monitoring at the Arroyos, NE AFRL, and South AFRL.

Completed Area Name: 4/9 Mars Blvd Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 10/03/2012  
Comments: OU 4 & 9 Mars Blvd Sites 2009 & 2010 Annual GWM Reports and 2011 Sampling Plan. Originally, one document, subsequently broken into 3 documents when finalized.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 03/22/2012  
Comments: Provides the well installation information and initial sampling data for monitoring wells installed in 2010-2011 as part of the remedial design. Data will be used for the upcoming five-year review report.

Completed Area Name: Operable Unit 4/9  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 04/04/2012  
Comments: Presents the results of the installation of new monitoring wells at the AFRL Arroyos, Northeast AFRL, and Mars Blvd. Results in a revision to the Conceptual Site Model. The most significant change is at the Arroyos by moving the alluvium/bedrock aquifer transition several hundred feet closer to Leuhman Ridge.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 01/09/2012  
Comments: This document provides the over-arching basewide conceptual site model for environmental contamination (including geology and hydrology) at the base and the relationship of on-base environmental issues to potential off-base occupants and water users.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 06/01/2012  
Comments: Updated sampling plan for the OU 5/10 Groundwater Extraction Treatment System.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Operations and Maintenance Manual  
Completed Date: 06/01/2012  
Comments: Updated O&M manual for the Site 285 Groundwater Extraction and Treatment System.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 03/01/2003

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**EDWARDS AIR FORCE BASE (Continued)**

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Comments: OU 6 HHRA Report

Completed Area Name: 4/9 - South AFRL  
 Completed Sub Area Name: Not reported  
 Completed Document Type: 5 Year Review Reports  
 Completed Date: 09/19/2012  
 Comments: First Five Year Review for the South AFRL ROD. Air Force agrees to accelerate the groundwater monitoring program due to new predictions of plumes moving faster than thought during the ROD plus the need for further assessment of the Vapor Intrusion Pathway at Sites 37 and 133. Not reported

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Risk Assessment Report  
 Completed Date: 03/01/2006  
 Comments: Ecological risk assessment for Sites 25, 61, 257, and 301 at OU 8

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base - MULTIPLE SITES  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation Report  
 Completed Date: 04/24/2008  
 Comments: Presents the results of the Site 299 and 301 RI investigation addendum.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Technical Report  
 Completed Date: 01/28/2013  
 Comments: OU 1 2011 Groundwater Modeling Report: Although EAFB finalized this document, there remains significant disagreements in the conceptual site model and associated assumptions/inputs used for this model. EAFB felt that these issues would not be resolved and chose to close out their contract and issue a final document. Rather than outright reject or consider the document incomplete, DTSC will factor outstanding issues into future decision-making for OU 1.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Risk Assessment Report  
 Completed Date: 11/01/2008  
 Comments: HHRA Addendum for OU 2 Sites

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Risk Assessment Report  
 Completed Date: 06/01/2003  
 Comments: OU 2 HHRA

Completed Area Name: 4/9 - South AFRL  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 03/07/2012  
 Comments: Presents the status of the long-term monitoring of the South AFRL Remedy. Activities included LUC and groundwater monitoring, and SVE which was turned off in 2010. The shut-down of the SVE is compliant with the remedy which allows the Air Force to adjust systems as



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needed to optimize the remedy.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 06/21/2012  
Comments: 2012 groundwater monitoring plan for the OU 4/9 Northeast and South AFRL areas.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 04/02/2012  
Comments: Not reported

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Site Characterization Report  
Completed Date: 08/20/2012  
Comments: Workplan to conduct the vapor intrusion pathway assessment for the two occupied buildings down slope from Site 25, and overlying the Site 25 groundwater plume.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Monitoring Report  
Completed Date: 08/09/2012  
Comments: Annual monitoring report for the OU 1 Site 58 SVE system

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 06/12/2012  
Comments: Sampling plan (schedule) for June 2012 groundwater monitoring at the AFRL Arroyos.

Completed Area Name: 4/9 - Northeast AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 09/27/2012  
Comments: DTSC and Air Force remain in disagreement with certain elements of the Conceptual Site Model and resulting interpretation of the aquifer test. This needs to be considered when the Air Force conducts modeling and designs remedial systems for the Northeast AFRL

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Removal Action Workplan  
Completed Date: 06/25/2012  
Comments: Addendum to the workplan for Site 58 operations

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/25/2012  
Comments: 2011 AGMR and 2012 Sampling Plan for OU 8 Groundwater Program

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Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 09/26/2012  
Comments: Presents the status of the ISCO injection portion of the remedy to remediate the Site 5/14 Groundwater Contaminant Plume

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 10/05/2012  
Comments: Report that presents the results of the wells installed from 9/10-8/11  
Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 18  
Completed Document Type: Monitoring Report  
Completed Date: 10/01/2012  
Comments: Annual monitoring report for the Site 18 Dual Extraction System. No significant issues.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 11/13/2012  
Comments: Test to assess aquifer parameters in bedrock in the area where the Northeast AFRL plume is projected to migrate from bedrock to the alluvial aquifer.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 172  
Completed Document Type: Monitoring Report  
Completed Date: 08/31/2010  
Comments: Site 172 Soil Vapor Extraction System Annual Operations Report for 2009

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 04/15/2009  
Comments: Final Report

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 06/21/2007  
Comments: Final HHRA Addendum for OU8

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Monitoring Report  
Completed Date: 12/20/2010  
Comments: This is the 2009 Annual Groundwater Monitoring Report for Site 25.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan

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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Date: 10/16/2012  
Comments: In response to regulatory concerns, the Air Force has developed this Workplan to assess the vertical extent of skeet fragments and lead shot in gridded areas where vertical extent is undefined.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 04/08/2013  
Comments: This document presents the updated sampling plan for Sites 5/14, 76, and 86. Also included are changes to the standard operating procedures for sampling and analyses.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan  
Completed Date: 03/12/2013  
Comments: DTSC Comments on Draft Final OU6 VISP & RA WP submitted to Air Force

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 18  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 01/28/2013  
Comments: Workplan for the 2012-2013 operation of the DES system and the monitoring of groundwater contamination at Site 18.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Pilot Study/Treatability Workplan  
Completed Date: 10/18/2012  
Comments: Plan to conduct an enhanced in-situ biogeochemical transformation of VOCs pilot study at Site 19

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: 5 Year Review Reports  
Completed Date: 08/05/2013  
Comments: OU 4/9 Soils and Debris Sites Five Year Review Report

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Plan Amendment  
Completed Date: 04/10/2013  
Comments: OU6 Remedial Action Workplan has been finalized.

Completed Area Name: 4/9 Mars Blvd Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 11/19/2013  
Comments: 2011 Annual GWM Report OU 4/9 Mars Blvd Sites 6, 27, 39, 113, 115, 116, 118, 125, 127, 178, 321, 333, and 338

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Quality Assurance Workplan  
Completed Date: 02/29/2008  
Comments: Updated Basewide Quality Assurance Project Plan includes the Basewide

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**EDWARDS AIR FORCE BASE (Continued)**

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FSP and SAP

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 07/31/2007  
Comments: Data gaps sampling report to obtain additional data for selected sites to finalize the FS

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 05/17/2013  
Comments: OU 2 Site 5 Remedial Investigation Workplan to investigate the source of the carbon tetrachloride detected in groundwater downgradient from Site 5. Plan is to conduct a soil vapor survey and groundwater sampling of existing wells to locate the CT source.

Completed Area Name: 4/9 Mars Blvd Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 04/18/2013  
Comments: 2012 Annual Groundwater Monitoring Sampling QAPP Plan. Provides the plan for sampling groundwater in 2012 at the Mars Boulevard Sites.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 339  
Completed Document Type: Feasibility Study Report  
Completed Date: 06/20/2013  
Comments: Report finalized by AF, but DTSC has documented concerns to be addressed prior to ROD

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 14  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 12/26/2012  
Comments: This is a "letter" workplan addendum for relatively minor remediation system and monitoring modifications.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 03/06/2013  
Comments: Final 2012 GWMSPP Submitted. No further comments.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 10/16/2012  
Comments: This document provides the groundwater sampling plan for 2012 at OU 5/10

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 312  
Completed Document Type: Record of Decision w/ESD  
Completed Date: 07/16/2013  
Comments: This Explanation of Significant Difference from the (Soils and Debris

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Sites) ROD is to document the remedy change for Site 312, an active transformer station on Leuhman Ridge. Because of impacts to the EAFB "Mission", the transformer could be shut down for only a specific period of time for the soil excavation remedy. Air Force attempted "clean closure" but was unable to remove PCB contaminated soil from a small area below the concrete pad and a small area below the adjoining asphalt area. Concentrations of PCBs in soil remaining at the site are above residential cleanup levels necessitating a land use covenant restricting residential use and warning workers of the presence of potentially impacted covered soil.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 07/01/2004  
Comments: This is an update to the 1996 RI report. It incorporates new data acquired since the prior RI report was published.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 03/01/2013  
Comments: Not reported

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Well Installation Workplan  
Completed Date: 03/29/2013  
Comments: Not reported

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 08/02/2013  
Comments: RI/FS Addendum: Site Characterization and Plume Delineation Data Summary Report. Presents the results of data gaps by conducting soil vapor sampling and installing/sampling additional monitoring wells.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 09/26/2013  
Comments: Remedial Investigation Summary Report Addendum for Sites 61, 299, and 301. DTSC has reviewed and accepts the final document which details the data gaps investigation work at the three OU 8 groundwater plume sites.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 04/05/2013  
Comments: Site 285 Groundwater Extraction and Treatment System O&M Report for September 2011-September 2012. Presents the O&M activities (including extraction well sampling) for the GETS to remediate perchlorate in groundwater at Site 285.

Completed Area Name: 4A - AFRL Area

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Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 08/22/2013  
Comments: AFRL Arroyos, Northeast AFRL, and Mars Blvd Well Installation Report for 2011-2012

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: Design/Implementation Workplan  
Completed Date: 01/31/2014  
Comments: Soil Gas Sampling Workplan, OU 7, Chemical Warfare Material Site 442, Areas 1, 2, and 3. Sampling is needed pursuant to the ROD to ensure protectiveness of possible chemical release from these CWM landfills.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 06/14/2013  
Comments: Geophysical Surveys to Delineate the Spring Fault and GW Transition from Bedrock to Alluvial Aquifer, Arroyos and NE AFRL Areas

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Other Report  
Completed Date: 12/01/2012  
Comments: Revised/updated RAB Charter and Bylaws approved by the RAB in 2012. Primary changes made to meetings (reduced from four to two per year) and incorporation of social media (Facebook) for communications.

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Workplan  
Completed Date: 02/13/2013  
Comments: Meeting to Develop Workplan for Arroyos Data Gaps. This meeting was held on 2/13/13; DTSC (and other regulatory agencies) provided input and added ideas on the Air Force's plans to address Arroyos and Northeast AFRL data gaps.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 29  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 07/25/2013  
Comments: Site 29 Remedial Action Work Plan. Presents the workplan to remove the contaminated soil and debris at Site 29.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Monitoring Report  
Completed Date: 08/06/2013  
Comments: Site 25 GETS Biennial Groundwater Monitoring Report-January 2011 to December 2012. Air Force did not issue a draft final. DTSC identified problems with the final and on 8/6/13 issued a draft comment letter.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 07/16/2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Comments: Workplan for Vapor Intrusion Assessment at (high priority buildings at) OU's 1, 4/9, 5/10, and 8

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Engineering Evaluation / Cost Analysis - Time Critical  
Completed Date: 10/16/2014  
Comments: Sites 81 and 102 EE/CA for Removal of Lead Shot and Skeet Fragments. Selected "removal action" will actually be a cap consisting of crushed concrete and areas with soil/vegetation to allow for limited habitat restoration.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 09/13/2013  
Comments: OU 7 Chemical Warfare Material Site 442 O&M Plan for Cap

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 11/11/2013  
Comments: South AFRL 2013 Ground Water Sampling Workplan. DTSC disagrees with the number of wells to be sampled; however the Air Force is planning a more comprehensive sampling event in 2014 essentially deferring DTSC concerns.

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 06/24/2013  
Comments: Arroyos 2012 Groundwater Monitoring Report

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 08/12/2013  
Comments: OU 5/10 Annual Groundwater Monitoring Report for April-December 2012. Air Force did not address all of DTSC comments on the draft document. Issues will need to be tracked for future relevant documents.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 08/27/2013  
Comments: Site 442 Remedial Action Completion Report-Remedial Design and Construction. Air Force did not give DTSC adequate time to review the changes in the draft final and the response to comments on the draft report; however a review of the final shows that DTSC concerns on the draft report were addressed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Public Participation Plan / Community Relations Plan  
Completed Date: 03/21/2014  
Comments: Community Involvement Plan 2014 update to the Community Relations Plan  
Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Monitoring Plan  
Completed Date: 09/03/2013  
Comments: Site 58 Soil Vapor Extraction QAPP Letter Addendum No. 3

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 76  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/30/2013  
Comments: Replacement pages recieved from AF

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/30/2013  
Comments: Final Replacement Pages submitted by AF

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 09/23/2013  
Comments: Basewide Subsurface Nitrate Characterization QAPP (Workplan), OUs 1, 4/9, 7, and 8

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 02/18/2014  
Comments: OU 8 - 2012 Annual Groundwater Monitoring Report for Sites 61, 257, 299, and 301. DTSC reviewed the final and determined that all comments were adequately addressed.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Remedial Investigation Report  
Completed Date: 04/03/2014  
Comments: OU 8 Site 25 Remedial Investigation Report Addendum. Presents the results of additional geophysics and well installation to characterize the site.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 11/22/2013  
Comments: OU 4 & 9 2012 Annual Groundwater Monitoring Report for Northeast and South AFRL

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 06/29/2014  
Comments: Report of 2012 and 2013 Sampling to Evaluate Vapor Intrusion Pathway at the AFRL Arroyos. Outstanding issues were identified in DTSC's 6/30/14 Contingent Concurrence letter. DTSC will work with the Air Force to address outstanding issues. The Arroyos ROD will be the venue for addressing the issues



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Plan  
Completed Date: 12/26/2013  
Comments: OU 5/10 Site 285 GETS QAPP Addendum. Update to the Site 285 groundwater treatment plant sampling/monitoring program.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 04/05/2014  
Comments: Basewide Groundwater Monitoring SAP, Vol 1-Long Term Monitoring Optimization Work Plan.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Quality Assurance Workplan  
Completed Date: 03/06/2014  
Comments: Electronic copy recieved 28 March 2014

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 10/31/2013  
Comments: DTSC Provided email stating no further comments

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 05/31/2013  
Comments: Soils and Debris Sites 2013 Land Use Control Inspection Report

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 09/16/2013  
Comments: Sites 61, 299, and 301 Well Installation Letter Workplan Addendum to the RI Workplan Addendum. Workplan to install additional wells at the three sites to address identified data gaps.

Completed Area Name: 9 - Air Force Research Lab - East  
Completed Sub Area Name: Site 125  
Completed Document Type: Site Characterization Report  
Completed Date: 08/22/2013  
Comments: Site 125 Results of 2013 Well Installation Letter Report. This "addendum" to the OU 4/9 2011-2012 Well Installation Report (WIR) was finalized as an appendix to the WIR.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 06/23/2014  
Comments: Well Installation Workplan-OU 4 Arroyos & South AFRL. Air Force and regulators collaboratively selected well locations. Note however, DTSC has informed the Air Force that these wells may not be sufficient for providing adequate South AFRL and Arroyos plume control  
Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Monitoring Report  
Completed Date: 01/23/2014  
Comments: Site 58 Annual Monitoring Report for the Soil Vapor Extraction System Nov '11 through Oct '12.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: 5 Year Review Reports  
Completed Date: 12/20/2014  
Comments: Chemical Warfare Material First Five-Year Review Report. DTSC concurred with (via signing the signature page of) the final Report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Enforceable Schedule  
Completed Date: 10/10/2013  
Comments: 2013 Update to the FFA Schedule

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 312  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 01/23/2014  
Comments: Site 312 Addendum to the Soil and Debris Sites Remedial Action Completion Report. This report documents the remedy for the Site 312 ESD which changed the remedy from "clean closure" to Land Use Controls to protect potential receptors from a small amount of PCB-contaminated soil below the asphalt near the Site 312 transformer. Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 18  
Completed Document Type: Monitoring Report  
Completed Date: 02/21/2014  
Comments: OU 1 Site 18 Annual Monitoring Report November 2011 through October 2012

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 14  
Completed Document Type: Operations and Maintenance Manual  
Completed Date: 04/14/2014  
Comments: OU2, Site 14 GETS O&M Manual

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Operations and Maintenance Manual  
Completed Date: 04/14/2014  
Comments: OU2, Site 86 O&M Manual

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 02/17/2014  
Comments: OU 4 Arroyos Phase 2 Geophysical Survey Work Plan to Delineate Bedrock Topography and Transition to Alluvial Aquifer. DTSC believes that a reflection survey rather than the proposed refraction survey

MAP FINDINGS

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

would be better at identifying the transition zone. AF cited budgetary reasons, but also attempted to make a technical case that the goals will be attained using the proposed refraction survey.

- Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 06/24/2014  
 Comments: Final OU2 Sites 5/14 Annual RASR received on 24 June 2014
  
- Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
 Completed Sub Area Name: Site 25  
 Completed Document Type: Remedial Investigation Workplan  
 Completed Date: 06/23/2012  
 Comments: Letter Addendum to the Site 25 RI/FS Work Plan Addendum. Workplan to install 7 additional monitoring wells.
  
- Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
 Completed Sub Area Name: Site 442  
 Completed Document Type: Operations and Maintenance Report  
 Completed Date: 06/16/2014  
 Comments: Site 442 Annual Remedial Action Status Report March 2013 to October 2013
  
- Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
 Completed Sub Area Name: Site 25  
 Completed Document Type: Remedial Investigation Report  
 Completed Date: 08/01/2014  
 Comments: Site 25 VIP Investigation Summary Report, Buildings 4824 and 4870. Air Force finalized this document on 8/1/14 without resolving selected critical issues. DTSC will carry these issues forward into the FS
  
- Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
 Completed Sub Area Name: Site 58  
 Completed Document Type: Removal Action Workplan Amendment  
 Completed Date: 06/23/2014  
 Comments: Site 58 Letter Addendum No. 4 to the QAPP
  
- Completed Area Name: PROJECT WIDE  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Remedial Investigation Report  
 Completed Date: 05/28/2016  
 Comments: Vapor Intrusion Assessment for 11 Selected Buildings at OUs 1, 5/10, and 8, Round 1 Sampling.
  
- Completed Area Name: 4/9 Mars Blvd Sites  
 Completed Sub Area Name: Not reported  
 Completed Document Type: Monitoring Report  
 Completed Date: 10/02/2014  
 Comments: 2012 Annual Groundwater Monitoring Report for "Mars Blvd" Sites 6, 27, 39, 113, 115, 116, 118, 125, 127, 178, 321, 333, AND 338
  
- Completed Area Name: 9 - Air Force Research Lab - East  
 Completed Sub Area Name: Site 125  
 Completed Document Type: Remedial Investigation Workplan  
 Completed Date: 06/02/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Comments: 2014 Letter Addendum to the 2010 Well Installation Work Plan For Sites in the Northeast AFRL and Mars Blvd. This addendum, although officially part of the 2010 Well Installation Workplan, is tied directly to the 2013 Letter Addendum to the 2010 Well Installation Workplan. This 2013 addendum was inserted as Appendix F.1 to the 2010 Workplan. The conclusion of the 2014 Letter Addendum is there was no need to install well 125-MW27, contrary to the original purpose of this addendum which was to install 125-MW27. However groundwater sampling conducted subsequent to the draft of this Workplan Addendum showed that 125-MW27 is not needed (at this time).

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 3  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 08/27/2014  
Comments: Geophysical Survey WP to Assess Site 3 Potential Preferential Pathways Affecting GW Flow and Contaminant Transport

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Remedial Investigation Report  
Completed Date: 11/03/2014  
Comments: OU2, Site 5, Remedial Investigation Report will be completed by June 30.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 76  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 08/12/2014  
Comments: Report title changed to Remedial Action Construction Progress Report

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 08/11/2014  
Comments: Report Completed

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 01/20/2015  
Comments: Basewide 2014 Groundwater Monitoring Plan-OU1/8, OU4/9, OU5/10 and Site 25

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 10/16/2014  
Comments: Site 285 GETS Annual Operation and Maintenance (10/12-9/13) Report

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 18  
Completed Document Type: Monitoring Report  
Completed Date: 08/14/2014  
Comments: OU 1 Site 18 Annual O&M Report November 2012 through October 2013

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

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EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 09/08/2014  
Comments: Final OU2, Sites 5/14, 76 and 86 RAWP Addendum, Update 1

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 05/27/2016  
Comments: See previous note regarding replacement of this document with Vapor Intrusion Investigation Report Addendum dated May 2016.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 08/12/2014  
Comments: Report of 2012 and 2013 Sampling to Evaluate VIP at the Northeast AFRL and Mars Blvd Sites. On 8/12/14 DTSC provided a draft letter to the Air Force outlining outstanding issues for this report; issues that will be carried through to the FS.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 538  
Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)  
Completed Date: 02/17/2015  
Comments: OU 3 Site 538 Preliminary Assessment/Site Inspection Report (PA/SI). DTSC has determined that further evaluation on the source of TCE in monitoring well 13-MW33 (Site 538) is warranted. Air Force agrees and this will be part of the South AFRL Remedial Action Workplan Version 2 scheduled for late 2015.

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 07/01/2014  
Comments: OU 4/9 Arroyos Phase 2 Geophysical Survey Report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 10/04/2014  
Comments: Non-Time Critical Removal Action MMRP Surface Clearance, Munitions Sites AL504, AL505-2, and AL505-4. This document was issued only as a final report; it comprises a summary of activities and field documentation of the surface clearance actions for the above listed munitions sites.

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 08/12/2014  
Comments: AFRL Soil and Debris Sites Annual LUC Inspection and Maintenance Report Addendum May-December 2013. DTSC has reviewed and concurs with the document. No letter is required for this document issued as final.  
Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline

Map ID  
Direction  
Distance  
Elevation

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 02/17/2015  
Comments: OU 1 GWM and Sampling Report for 2012

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Soil Vapor Extraction Monitoring Report  
Completed Date: 09/05/2012  
Comments: OU 4&9 Site 37 Building 8595 SVE System Reactivation and Sampling Memorandum

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 08/14/2015  
Comments: Remedial Investigation Workplan for Munitions Response Sites AL501A, AL504, AL505-2, and AL505-4. This document is the plan for conducting subsurface reconnaissance of areas of potential buried munitions.

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide  
Completed Sub Area Name: Not reported  
Completed Document Type: Quality Assurance Workplan  
Completed Date: 08/14/2015  
Comments: MMRP Site Insepection QAPP: Supplemental Comprehensive Site Evaluation Phase II for Munitions Response Sites AL505-3 and AL505-5

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/01/2015  
Comments: South AFRL 2013 Annual Groundwater Monitoring Report

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/15/2015  
Comments: OU 8 Sites 61, 299, and 301 Annual Groundwater Monitoring Report for 2013

Completed Area Name: Military Munitions Response Program (MMRP) - Basewide  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Completion Report  
Completed Date: 10/06/2014  
Comments: MMRP After Action Report Non-time Critical Removal Action-surface Clearance MRS's AL 504, AL 505-2, and AL 505-4. This document is a compilation of field and laboratory forms documenting the surface clearance removal performed in 2014.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 02/05/2015  
Comments: Final Version of OU2 Site 86 ARASR

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

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EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Document Type: Feasibility Study Workplan  
Completed Date: 07/20/2015  
Comments: OU 5/10 Feasibility Study Workplan. This Workplan documents addition work to be completed to address data gaps at selected OU 5/10 sites. Not being addressed are additional data gaps identified previously by the regulators in comments on the draft and draft final Feasibility Study. The Air Force intends to address these regulator-identified data gaps in a future workplan.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Monitoring Report  
Completed Date: 03/31/2015  
Comments: Site 58 Annual Monitoring Report for the Soil Vapor Extraction System Nov '12 through Oct '13

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 76  
Completed Document Type: Monitoring Report  
Completed Date: 03/04/2015  
Comments: Final Site 76 RASR Submitted by AF

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 3  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 04/16/2016  
Comments: Site 3 Remedial Action Workplan Volumes I and II

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 02/09/2015  
Comments: Sites 81 and 102 Action Memorandum, Non-time Critical Removal Action. DTSC concurs with the proposed action

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 06/17/2015  
Comments: Final RAWP Addendum for OU2 Sites 76, 86 and 5/14

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 07/10/2015  
Comments: Addendum to Workplan for Vapor Intrusion Assessment at (high priority buildings at) OU's 1, 4/9, 5/10, and 8. DTSC is on record disagreeing with the workplan not including subsurface vapor sampling.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 3  
Completed Document Type: Monitoring Plan  
Completed Date: 09/11/2015  
Comments: Site 3 Pre-Design Groundwater and Landfill Gas 2015 Sampling Plan. This "plan" is actually a one-page memorandum describing sampling strategy for the Site 3 Landfill Gas.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 10/12/2015  
Comments: AFRL Arroyos 2013 GWM Report. DTSC reviewed and finds the final report acceptable.

Completed Area Name: 4/9 - Northeast AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/22/2015  
Comments: OU 4/9 Northeast AFRL 2013 GWM Report

Completed Area Name: 7 - Operable Unit 7, Basewide Misc. - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 09/01/2015  
Comments: Final document issued by AF on 9/1/2015

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/28/2015  
Comments: Final document received by DTSC.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Technical Report  
Completed Date: 06/01/2015  
Comments: Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 18  
Completed Document Type: Monitoring Report  
Completed Date: 05/11/2015  
Comments: Site 18 DES Annual O&M Report November 2013-October 2014. DTSC has expressed concern about the system being shut down for a lengthy period of time (the AF shut it down in 2013 to conduct nearby soil vapor sampling as part of a vapor intrusion investigation). The AF has responded that they restart the system monthly as part of routine O&M activities.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Site Characterization Workplan  
Completed Date: 08/19/2015  
Comments: Change pages from DF to Final received from Air Force.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 06/24/2015  
Comments: Site 285 GETS Annual Operation and Maintenance (10/13-9/14) Report

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 37  
Completed Document Type: Operations and Maintenance Report



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Date: 08/03/2015  
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2013. Note that DTSC disagrees with conclusions regarding VI screening numbers and the recommendation to no longer sample subslab VI wells

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 12/16/2015  
Comments: Long-term Monitoring Optimization Volume II-Operable Units 1/8 GWM Sampling and Analysis Plan. There remain some important issues that will need to be resolved as part of the joint Air force-Regulator working group that will evaluate the 2015 groundwater monitoring data and make recommendations for future monitoring needs.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/08/2015  
Comments: Site 442 Annual (Nov 2013 to Oct 2014) Remedial Action Status Report

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 05/28/2015  
Comments: Final Version of Site 86 ARASR - 11/12-9/14 Submitted by AF on May 28, 2015.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 06/04/2015  
Comments: AF submitted Interim Draft Final & RTCs. Comments minor. AF approved to finalize document.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 06/22/2015  
Comments: Final document received on 06/22/2015

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 58  
Completed Document Type: Monitoring Report  
Completed Date: 06/26/2015  
Comments: Annual SVE Report, DTSC expressed a desire for the SVE system (currently shut-down) to remain available for being turned on at a future a date if needed.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Risk Assessment Report  
Completed Date: 02/28/2016  
Comments: OU 1, 4/9, 7, and 8 Subsurface Nitrate Characterization Report. Outstanding issue remain; DTSC is relying on the RWQCB to continue to work these issues with the Air Force

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 08/18/2015  
Comments: OU 1/8 Well Installation Workplan

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 07/30/2016  
Comments: South AFRL Remedial Action Workplan Version 2.0

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 76  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 07/20/2015  
Comments: Not reported

Completed Area Name: 4/9 AFRL Misc. Documents  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 07/02/2015  
Comments: South & NE AFRL and Mars Blvd Sites Well Installation Report. DTSC had no comments on the draft report.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Well Completion Report  
Completed Date: 01/19/2016  
Comments: Site 25 Remedial Investigation Report Addendum No. 2

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 08/21/2015  
Comments: Final document received by DTSC.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Monitoring Plan  
Completed Date: 10/30/2015  
Comments: Site 25 Letter Addendum to the Basewide GW Monitoring UFP-QAPP, 2015 Interim GW Monitoring Plan

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 3  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 10/08/2016  
Comments: Site 3 Remedial Action Workplan Volume III. This provides the long term monitoring program for the Site 3 Landfill remedy.

Completed Area Name: 4/9 AFRL Misc. Documents  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 07/23/2015  
Comments: OU 4/9 Interim Groundwater Monitoring Plan for 2015-Letter Addendum to the Basewide GWM Plan

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 03/01/2016  
Comments: OU 5/10 Annual Groundwater Monitoring Report for 2014

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 37  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/30/2016  
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2014. DTSC has reviewed the final report; there remain outstanding disagreements described in the Responses to Comments table in Appendix E. No letter issued on the final, but DTSC will ensure raised issues are factored into the review of the subsequent 2015 monitoring report.

Completed Area Name: 4A - AFRL Arroyos  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/15/2016  
Comments: AFRL Arroyos 2014 GWM Report

Completed Area Name: 4/9 Mars Blvd Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/06/2016  
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2014

Completed Area Name: 4/9 Mars Blvd Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 08/23/2016  
Comments: Mars Blvd Sites 2014 GWM Report. DTSC identified a laboratory QA/QC issue where PCE concentrations appeared "depressed" compared to historical results.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Monitoring Report  
Completed Date: 07/19/2016  
Comments: Site 25 Biennial Groundwater Monitoring Report 2013-2014

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 13  
Completed Document Type: Operations and Maintenance Plan  
Completed Date: 11/09/2015  
Comments: Site 13 Landfill 2015 Post Closure Maintenance and Monitoring Plan. This site is undergoing post-closure monitoring under the Kern County Health Department; DTSC will review the status as part of the South AFRL Five Year Reviews.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 03/11/2014  
Comments: US Fish and Wildlife 03/11/14 Biological Opinion

Map ID  
Direction  
Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/30/2016  
Comments: South AFRL 2014 Annual Groundwater Monitoring Report

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan  
Completed Date: 06/06/2016  
Comments: Sites 81 and 102 Supplemental Workplan

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/16/2016  
Comments: Site 442 Annual Remedial Action Status Report November 2014 - September 2015

Completed Area Name: 4/9 - Northeast AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/21/2016  
Comments: OU 4/9 Northeast AFRL 2014 GWM Report

Completed Area Name: Multiple OUs - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 12/09/2016  
Comments: OB/OD Sites 39 and 270 Remedial Investigation Workplan

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 76  
Completed Document Type: Monitoring Report  
Completed Date: 07/20/2016  
Comments: Completed

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 05/16/2016  
Comments: Soil and Debris Sites RAWP Addendum 1 (Site 13 Vapor Monitoring)

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Monitoring Report  
Completed Date: 07/15/2016  
Comments: Not reported

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 02/27/2016  
Comments: OU 4/9 Soil and Debris Sites Land Use Controls Inspection/Maintenance Report for 2015. Document issued as final. DTSC reviewed; no comment letter required or distributed by DTSC.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: 9 - Air Force Research Lab - East - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/18/2016  
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2015

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 09/16/2016  
Comments: Completed

Completed Area Name: 4/9 Mars Blvd Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/07/2017  
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2016

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 04/12/2017  
Comments: Site 442 Annual Remedial Action Status Report October 2015 - September 2016

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Monitoring Report  
Completed Date: 06/30/2017  
Comments: Final OU2, Site 86 ARASR issued on June 30, 2017 but DTSC did not receive a copy until 1/12/2018.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/17/2017  
Comments: OU 4/9 South AFRL 2015 Annual Groundwater Monitoring Report

Completed Area Name: 4/9 - Northeast AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/17/2017  
Comments: OU 4/9 Northeast AFRL 2015 GWM Report

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 76  
Completed Document Type: Monitoring Report  
Completed Date: 08/18/2017  
Comments: Final OU2 Site 76 ARASR, Oct 2015 - Sept 2016

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/26/2017  
Comments: OU 1/8 GWM and Sampling Report for 2015

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels

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Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Sub Area Name: Site 25  
Completed Document Type: Monitoring Plan  
Completed Date: 04/30/2018  
Comments: Basewide GWM Sampling and Analysis Plan-Volume V, Site 25 Long-Term Monitoring Optimization Plan

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 03/14/2017  
Comments: Soil and Debris Sites 2016 Land Use Controls Inspection and Maintenance Report

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 02/15/2017  
Comments: South AFRL 2016 Land Use Controls Inspection and Maintenance Report. DTSC has reviewed and has no comments.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 06/28/2017  
Comments: Site 285 O&M Report for the Period 10/16 through 09/17

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 37  
Completed Document Type: Monitoring Report  
Completed Date: 11/09/2017  
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2016

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Technical Report  
Completed Date: 12/24/2019  
Comments: Site 25 Nitrate/Mineral Source Area Evaluation Tech Memo

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 37  
Completed Document Type: Monitoring Report  
Completed Date: 01/03/2020  
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2018

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan  
Completed Date: 12/26/2019  
Comments: Expanded Site Inspection of Aqueous Film Forming Foam Usage Workplan

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 07/24/2019  
Comments: Soil Gas Sampling Workplan Addendum, OU 7, Chemical Warfare Material

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Site 442, Areas 1, 2, and 3

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 03/30/2018  
Comments: Letter Addendum to the 2016 South AFRL Well Installation Report, Well 13-MW52

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 3  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 02/11/2019  
Comments: Site 3 Annual Remedial Action Status Report, October 2016 through September 2017

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 08/03/2018  
Comments: Site 25 USGS Long-Screen Wells Evaluation Workplan. Although this document wasn't provided in final form until August 3, 2018, it was actually finalized by the USGS in late April or early May 2018. DTSC input was informal and provided via a very accelerated review schedule.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Action Implementation Workplan  
Completed Date: 04/20/2018  
Comments: Document has been finalized.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Removal Action Workplan  
Completed Date: 01/29/2019  
Comments: Sites 81 and 102 Removal Action Workplan

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 10/08/2019  
Comments: Basewide GWM SAP Volume IV Long-Term Monitoring Optimization

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/21/2018  
Comments: Final OU2 Sites 5/14 Annual Remedial Action Status Report submitted by Air Force on 9/21/18.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/24/2018  
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2017

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 07/16/2018  
Comments: Soil and Debris Sites 2017 LUC Inspection and Maintenance Report.  
DTSC reviewed and had no comments.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Completion Report  
Completed Date: 06/15/2018  
Comments: Letter Report Abandonment and Replacement of OU 1 Wells. DTSC  
reviewed and had no comments.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 06/21/2018  
Comments: OU 6 NASA Annual 2017 Land Use Control Report

Completed Area Name: 4/9 Mars Blvd Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 07/20/2018  
Comments: Mars Blvd Sites 2016 Groundwater Monitoring Report

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 05/31/2019  
Comments: Final OU6 NASA Land Use Restriction Report

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Monitoring Report  
Completed Date: 12/24/2019  
Comments: No Final DTSC letter needed.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Technical Workplan  
Completed Date: 08/16/2019  
Comments: Site 25 Tracer Injection Workplan

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: 5 Year Review Workplan  
Completed Date: 07/24/2019  
Comments: 2019 Soil Gas Sampling Workplan for Site 442

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 01/03/2020  
Comments: Site 285 Groundwater Monitoring Report for 2018

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline



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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Sub Area Name: Site 18  
Completed Document Type: Monitoring Report  
Completed Date: 04/08/2019  
Comments: Final Report

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 06/25/2019  
Comments: Site 442 Annual Remedial Action Status Report, October 2017 - September 2018

Completed Area Name: 4/9 Mars Blvd Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 05/17/2019  
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2018

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Enforceable Schedule  
Completed Date: 01/15/2019  
Comments: Based on RPM discussions in the November 2018 RPM meeting, the 1st Qtr Update to the FFA schedule was finalized on 1/15/19

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Not reported  
Completed Document Type: Well Installation Workplan  
Completed Date: 07/09/2019  
Comments: Technical Memorandum for Site 25 Leading Edge Well Installation

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Well Completion Report  
Completed Date: 03/29/2019  
Comments: Document issued only as Final by Air Force

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/18/2019  
Comments: Final version of document submitted by Air Force on 12/18/2019.

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction Monitoring Report  
Completed Date: 05/29/2019  
Comments: Soil and Debris Sites 2018 Land Use Controls Inspection and Maintenance Report. DTSC has reviewed and concurs with the report.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 04/17/2018  
Comments: Site 285 Groundwater Monitoring Report for 2017

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Sub Area Name: Site 3  
Completed Document Type: Remedial Action Completion Report  
Completed Date: 01/31/2019  
Comments: Site 3 Interim Remedial Action Completion Report, Landfill Cap Construction

Completed Area Name: 7 - Operable Unit 7, Basewide Misc.  
Completed Sub Area Name: Site 442  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 07/23/2018  
Comments: Site 442 Annual Remedial Action Status Report, October 2016 - September 2017

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Removal Action Workplan Amendment  
Completed Date: 04/20/2018  
Comments: Document completed.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 18  
Completed Document Type: Monitoring Report  
Completed Date: 05/10/2018  
Comments: Site 18 DES Annual O&M Report November 2016-October 2017

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 76  
Completed Document Type: Monitoring Report  
Completed Date: 08/06/2018  
Comments: Final OU2 Site 76 ARASR. Laboratory reports (Appendix D.2, PDF 3/3) not uploaded due to size limitation.

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/13/2018  
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2017

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 04/02/2019  
Comments: Final OU6 Groundwater SAP received by DTSC on 2 April 2019.

Completed Area Name: 4/9 - Soil and Debris Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: 5 Year Review Reports  
Completed Date: 05/09/2019  
Comments: Not reported

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Site Characterization Report  
Completed Date: 09/26/2018  
Comments: Site 25 Updated Cross Sections and 2016 Groundwater Level Contour Maps Technical Memorandum

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**EDWARDS AIR FORCE BASE (Continued)**

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Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Site Characterization Workplan  
Completed Date: 06/22/2018  
Comments: Site 25 Phase II Geophysical Survey Work Plan.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Well Installation Workplan  
Completed Date: 04/06/2017  
Comments: Site 25 Plume Leading Edge Monitoring Well Installation Letter Workplan. To install wells to define the leading edge of the Site 25 TCE plume.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 18  
Completed Document Type: Monitoring Report  
Completed Date: 09/26/2017  
Comments: Site 18 DES Annual O&M Report November 2014-October 2016

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 06/02/2017  
Comments: Final Letter Workplan for OU6 Groundwater Plume Delineation received on 6/1/2017.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc. - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Feasibility Study Report  
Completed Date: 11/07/2018  
Comments: Final FS Report Addendum, OU7 Sites 272, 280, 293 and 339 received on 2 October 2018.

Completed Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 12/14/2017  
Comments: Final OU2 Sites 5/14 Groundwater Contaminant Plume, ARASR, Oct 2015 through Sept 2016 received on 12/14/17.

Completed Area Name: 4/9 - South AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 03/01/2018  
Comments: Final OU4/9 South AFRL Annual Groundwater Monitoring Report

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Site Characterization Workplan  
Completed Date: 06/30/2017  
Comments: Site 25 Source Area Soil Gas Sampling Workplan. Workplan to collect soil vapor from the well casings above source area groundwater monitoring wells to obtain recent soil vapor information from the Site 25 source area.

Completed Area Name: 4A - AFRL Arroyos

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 03/01/2018  
Comments: AFRL Arroyos 2016 Groundwater Monitoring Report

Completed Area Name: 4/9 Mars Blvd Sites  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 04/12/2018  
Comments: Sites 6 and 113 Groundwater Monitoring Report for 2017

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Site Characterization Workplan  
Completed Date: 08/10/2017  
Comments: Letter Workplan for Indoor Air Sampling at NASA Buildings 4857 and 4876. DTSC had minor comments on the draft which were addressed by the Air Force in the final report.

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Removal Action Workplan  
Completed Date: 07/19/2017  
Comments: Decision Rule updated for use in future Site 86 documents.

Completed Area Name: 7 - Operable Unit 7, Basewide Misc. - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation / Feasibility Study  
Completed Date: 03/15/2019  
Comments: Final Supplemental RI/FS Report, OU7 Sites 267, 269 and 294.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Site Characterization Workplan  
Completed Date: 10/12/2017  
Comments: Site 25 Additional GW Sampling for Nitrate/Minerals and Source Area Evaluation Letter Workplan

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 11/07/2017  
Comments: Completed

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/28/2017  
Comments: Document completed

Completed Area Name: Multiple OUs - MULTIPLE SITES  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation / Feasibility Study  
Completed Date: 11/01/2019  
Comments: While the Air Force titled this document a Remedial Investigation Report, they now are considering it a Site Inspection Report. DTSC has concluded that risks for Site 39 are below action levels and

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

concur with a No Further Action for this site. For Site 270, the site qualifies for NFA for chemical contamination; however the Air Force never completed a subsurface investigation for MEC that may have been derived from Site 270 activities because the site is in the active PIRA bombing range. The Air Force will maintain active range health protections (restricting on-site access) and will conduct a munitions investigation should the site ever become deactivated from the range operations.

Completed Area Name: 4/9 - Northeast AFRL  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 09/27/2018  
Comments: OU 4/9 Northeast AFRL 2016 GWM Report

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 05/25/2018  
Comments: Site Inspection for Aqueous Film Forming Foam (PFAS/PFOA) Potential Release Areas

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Monitoring Report  
Completed Date: 10/19/2018  
Comments: Site 25 Groundwater Monitoring Report for 2016

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 07/23/2018  
Comments: Groundwater Monitoring Well Installation Report, Sites 17, 19, and 66 (for GW plume extent characterization)

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Report  
Completed Date: 03/14/2018  
Comments: Site 25 Letter Report Indoor Air Sampling Buildings 4857 and 4876

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 86  
Completed Document Type: Monitoring Report  
Completed Date: 08/06/2018  
Comments: Final OU2 Site 86 ARASR. All documents uploaded except Apdx C.2, Laboratory Reports.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 04/02/2018  
Comments: Site 285 GETS Annual Operation and Maintenance (10/16-9/17) Report

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Site Characterization Workplan

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Direction  
Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Date: 03/18/2018  
Comments: Site 25 Soil Gas Sampling Results Summary and Permeability Test Letter Work Plan

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Remedial Investigation Report  
Completed Date: 09/13/2018  
Comments: Report completed.

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Treatability Study Workplan  
Completed Date: 11/06/2018  
Comments: Site 25 Source Area Subsurface Permeability and SVE Treatability Study Letter Workplan

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Enforceable Schedule  
Completed Date: 10/12/2018  
Comments: 2018 Update to the FFA Schedule

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Site Characterization Workplan  
Completed Date: 04/22/2019  
Comments: Work Plan for Vapor Intrusion Assessment at Buildings 1808, 1810, 1820, 1830, 3500, and 4221

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 10/12/2018  
Comments: OU 1/8 2018 Interim GWM Sampling and Analysis Plan

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 11/01/2017  
Comments: Site 25 Slug Test Technical Memorandum, issued as a final document (no draft version distributed)

Completed Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Completed Sub Area Name: Site 25  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 06/27/2019  
Comments: Site 25 Integrated Workplan Memorandum for High-Resolution Characterization

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 5  
Completed Document Type: Technical Report  
Completed Date: 03/29/2019  
Comments: Final Version included as Attachment 1 to Site 5 CT Plume Delineation Well Construction Completion Report (29 March 2019).

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Enforceable Schedule  
Completed Date: 10/10/2019  
Comments: 2019 Update to the FFA Schedule

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 11/23/2019  
Comments: Evaluation of Long-Screen Wells influence on water level (potentiometric surface) contouring. DTSC provided input in comments on the 2017 OU 1/8 GMR.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 10/19/2006  
Comments: OU-6 ROD included Land Use Controls to prevent exposure to groundwater during cleanup. Extraction of groundwater for use other than monitoring is prohibited.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Not reported  
Completed Document Type: Land Use Restriction  
Completed Date: 09/26/2007  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Federal Facility Agreement  
Completed Date: 10/31/1990  
Comments: Not reported

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: \* Discovery  
Completed Date: 08/24/1981  
Comments: Facility Identified: EPA Superfund Notification List.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Federal Facility Agreement  
Completed Date: 09/25/1990  
Comments: Not reported

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Site 21  
Completed Document Type: Correspondence  
Completed Date: 05/18/2017  
Comments: Because of the evidence of a CERCLA hazardous substances release, ty agreement between the RPMs, Site 21 has been transferred from the Air Force's Compliance Restoration Program ("Fuels Program") back to the CERCLA program.

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Completed Document Type: Preliminary Assessment/Site Inspection Report (PA/SI)  
Completed Date: 06/01/2016  
Comments: Preliminary Assessment Report for Perfluorinated Compounds at EAFB. This report was issued as a final and provided to DTSC only electronically. The Air Force verbalized a request for DTSC input to prepare for the Site Inspection/Investigation scheduled for 2016

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Workplan  
Completed Date: 01/15/2010  
Comments: Pre-Design Investigation Work Plan, sites 226, 257, and 299. DTSC concurred with the work; however some of our comments may not have been adequately addressed. These includes questions regarding the background value being used for arsenic, the location of the proposed upgradient well at Site 257 and vertical contaminant groundwater control at Site 299.

Completed Area Name: 5/10 - Operable Units 5 and 10, North Base  
Completed Sub Area Name: Site 285  
Completed Document Type: Monitoring Report  
Completed Date: 08/26/2016  
Comments: Site 285 GETS Annual Operation and Maintenance (10/14-9/15) Report

Completed Area Name: 4/9 AFRL Misc. Documents  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Plan  
Completed Date: 12/12/2016  
Comments: Groundwater Sampling and Analyses Plan Volume III, OU 4/9 Long-Term Monitoring Optimization

Completed Area Name: 2 - Operable Unit 2, South Base  
Completed Sub Area Name: Site 76  
Completed Document Type: Removal Action Workplan  
Completed Date: 10/14/2016  
Comments: Completed

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Monitoring Report  
Completed Date: 06/30/2016  
Comments: This document was submitted as a Final in accordance with agreement with AF made in 2011. There are not Draft or Draft Final versions associated with this document.

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: Remedial Investigation Report  
Completed Date: 09/21/2016  
Comments: Completed. Included in OU6 Second Five-Year Review Report.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 06/22/2016  
Comments: 2010 Well Installation Technical Memorandum for Sites 226, 257, and 299. Because of DTSC's limited resources, this report was not



Map ID  
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MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

reviewed. However, it is a low priority document essentially just documenting the results of the well installation activities and therefor not requiring review.

Completed Area Name: 8 - Operable Unit 8, Northwest Main Base  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 06/12/2017  
Comments: 2013 Well Installation Technical Memorandum for Sites 61, 299, and 301. Provides the details of data gaps wells that were installed in 2013.

Completed Area Name: 4A - AFRL Area  
Completed Sub Area Name: Site 37  
Completed Document Type: Operations and Maintenance Report  
Completed Date: 10/20/2016  
Comments: Site 37 SVE O&M and Building 8595 Vapor Intrusion Monitoring Report for 2015

Completed Area Name: 6 - Operable Unit 6, NASA Dryden  
Completed Sub Area Name: Not reported  
Completed Document Type: 5 Year Review Reports  
Completed Date: 09/22/2016  
Comments: EPA submitted concurrence letter.

Completed Area Name: 1 - Operable Unit 1, Main Base Flightline  
Completed Sub Area Name: Not reported  
Completed Document Type: Technical Report  
Completed Date: 10/11/2016  
Comments: Operable Units 1/8 2016 Groundwater Monitoring Schedule

Future Area Name: 5/10 - Operable Units 5 and 10, North Base  
Future Sub Area Name: Not reported  
Future Document Type: Record of Decision  
Future Due Date: 2024  
Future Area Name: 4A - AFRL Arroyos  
Future Sub Area Name: Not reported  
Future Document Type: Record of Decision  
Future Due Date: 2021  
Future Area Name: 5/10 - Operable Units 5 and 10, North Base  
Future Sub Area Name: Not reported  
Future Document Type: Proposed Plan  
Future Due Date: 2023  
Future Area Name: 4/9 - Northeast AFRL  
Future Sub Area Name: Not reported  
Future Document Type: Proposed Plan  
Future Due Date: 2023  
Future Area Name: 4/9 - Northeast AFRL  
Future Sub Area Name: Not reported  
Future Document Type: Feasibility Study Report  
Future Due Date: 2023  
Future Area Name: 4/9 Mars Blvd Sites  
Future Sub Area Name: Not reported  
Future Document Type: Feasibility Study Report  
Future Due Date: 2023  
Future Area Name: 7 - Operable Unit 7, Basewide Misc.  
Future Sub Area Name: Not reported

Map ID  
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Distance  
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MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Future Document Type: Proposed Plan  
Future Due Date: 2024  
Future Area Name: 2 - Operable Unit 2, South Base  
Future Sub Area Name: Site 5  
Future Document Type: Feasibility Study Report  
Future Due Date: 2020  
Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Site Characterization Report  
Future Due Date: 2021  
Future Area Name: 1 - Operable Unit 1, Main Base Flightline  
Future Sub Area Name: Not reported  
Future Document Type: Feasibility Study Report  
Future Due Date: 2021  
Future Area Name: 8 - 25 Operable Unit - 8 - Site 25 Exotic Fuels  
Future Sub Area Name: Site 25  
Future Document Type: Feasibility Study Report  
Future Due Date: 2020  
Future Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Future Sub Area Name: Not reported  
Future Document Type: Record of Decision  
Future Due Date: 2021  
Future Area Name: 6 - Operable Unit 6, NASA Dryden  
Future Sub Area Name: Not reported  
Future Document Type: 5 Year Review Reports  
Future Due Date: 2021  
Future Area Name: 6 - Operable Unit 6, NASA Dryden  
Future Sub Area Name: Not reported  
Future Document Type: Design/Implementation Workplan  
Future Due Date: 2022  
Future Area Name: 4/9 - South AFRL  
Future Sub Area Name: Not reported  
Future Document Type: Record of Decision w/ESD  
Future Due Date: 2020  
Future Area Name: PROJECT WIDE  
Future Sub Area Name: Not reported  
Future Document Type: Certification  
Future Due Date: 2025  
Schedule Area Name: 7 - Operable Unit 7, Basewide Misc.  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Record of Decision  
Schedule Due Date: 12/31/2019  
Schedule Revised Date: 08/03/2025  
Schedule Area Name: 2 - Operable Unit 2, South Base  
Schedule Sub Area Name: Site 5  
Schedule Document Type: Proposed Plan  
Schedule Due Date: 08/15/2018  
Schedule Revised Date: 11/02/2021  
Schedule Area Name: 4/9 - South AFRL  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Record of Decision w/ESD  
Schedule Due Date: 03/30/2019  
Schedule Revised Date: 09/14/2020  
Schedule Area Name: PROJECT WIDE  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Site Characterization Report  
Schedule Due Date: 07/01/2017

Map ID  
Direction  
Distance  
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MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Schedule Revised Date: Not reported  
Schedule Area Name: Military Munitions Response Program (MMRP) - Basewide  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Site Characterization Report  
Schedule Due Date: 03/31/2018  
Schedule Revised Date: 02/28/2020  
Schedule Area Name: 4/9 - South AFRL  
Schedule Sub Area Name: Not reported  
Schedule Document Type: 5 Year Review Reports  
Schedule Due Date: 11/30/2018  
Schedule Revised Date: Not reported  
Schedule Area Name: PROJECT WIDE  
Schedule Sub Area Name: Not reported  
Schedule Document Type: 5 Year Review Reports  
Schedule Due Date: 10/24/2019  
Schedule Revised Date: 01/29/2020  
Schedule Area Name: 1 - Operable Unit 1, Main Base Flightline  
Schedule Sub Area Name: Site 16  
Schedule Document Type: Site Characterization Report  
Schedule Due Date: 06/12/2019  
Schedule Revised Date: 05/28/2020  
Schedule Area Name: 7 - Operable Unit 7, Basewide Misc.  
Schedule Sub Area Name: Site 3  
Schedule Document Type: Operations and Maintenance Report  
Schedule Due Date: 12/20/2019  
Schedule Revised Date: Not reported  
Schedule Area Name: 2 - Operable Unit 2, South Base  
Schedule Sub Area Name: Site 29  
Schedule Document Type: Record of Decision w/ESD  
Schedule Due Date: 12/30/2018  
Schedule Revised Date: 01/30/2020  
Schedule Area Name: Military Munitions Response Program (MMRP) - Basewide  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Remedial Investigation / Feasibility Study  
Schedule Due Date: 05/30/2019  
Schedule Revised Date: 03/15/2020  
Schedule Area Name: 2 - Operable Unit 2, South Base - MULTIPLE SITES  
Schedule Sub Area Name: Not reported  
Schedule Document Type: Operations and Maintenance Plan  
Schedule Due Date: 06/29/2020  
Schedule Revised Date: Not reported

**Calsite:**

Name: EDWARDS AIR FORCE BASE  
Address: 470 SQ MI; 60 MI NE OF LOS ANGELES, CA  
City: EDWARDS  
Region: SACRAMENTO  
Facility ID: 15970001  
Facility Type: OPEN  
Type: OPEN MILITARY BASE  
Branch: NO  
Branch Name: OMF-NORTHERN CALIF  
File Name: Not reported  
State Senate District: 05011986  
Status: ANNUAL WORKPLAN (AWP) - ACTIVE SITE  
Status Name: ANNUAL WORKPLAN - ACTIVE SITE  
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: JOKANE  
Supervisor Responsible for Site: Not reported  
Region Water Control Board: LN  
Region Water Control Board Name: LAHONTAN  
Lat/Long Direction: Not reported  
Lat/Long (dms): 0 0 0 / 0 0 0  
Lat/long Method: Not reported  
Lat/Long Description: MEASURED FROM CENTER POINT OF RUNWAY  
State Assembly District Code: 34  
State Senate District Code: 18  
Facility ID: 15970001  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: OU10  
Proposed Budget: 0  
AWP Completion Date: 07012007  
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: 15970001  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: OU9  
Proposed Budget: 0  
AWP Completion Date: 07012007  
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

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: 15970001  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: OU9  
Proposed Budget: 0  
AWP Completion Date: 07012006  
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: 15970001  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: OU8  
Proposed Budget: 0  
AWP Completion Date: 07012007  
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

Map ID  
Direction  
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Database(s)

EDR ID Number  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Facility ID: 15970001  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: OU8  
Proposed Budget: 0  
AWP Completion Date: 07012006  
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: 15970001  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: OU7  
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: 15970001  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: OU5  
Proposed Budget: 0  
AWP Completion Date: 07012007  
Revised Due Date: Not reported  
Comments Date: Not reported  
Est Person-Yrs to complete: 0

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU5
Proposed Budget:	0
AWP Completion Date:	07012006
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:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU4
Proposed Budget:	0
AWP Completion Date:	06302006
Revised Due Date:	08302005
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

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: S426  
Proposed Budget: 0  
AWP Completion Date: 08062004  
Revised Due Date: Not reported  
Comments Date: 08062004  
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: 15970001  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY  
AWP Code: OU1  
Proposed Budget: 0  
AWP Completion Date: 12012005  
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: 15970001  
Activity: RIFS  
Activity Name: REMEDIAL INVESTIGATION / FEASIBILITY STUDY



Map ID  
Direction  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

AWP Code: OU6  
Proposed Budget: 0  
AWP Completion Date: 09302004  
Revised Due Date: Not reported  
Comments Date: 10152004  
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: 15970001  
Activity: OM  
Activity Name: OPERATION & MAINTENANCE  
AWP Code: S172  
Proposed Budget: 0  
AWP Completion Date: 06302003  
Revised Due Date: Not reported  
Comments Date: 06302003  
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: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: S133  
Proposed Budget: 0  
AWP Completion Date: 06272003  
Revised Due Date: Not reported  
Comments Date: 06272003  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP

Map ID  
Direction  
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MAP FINDINGS

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EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

1000155217

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:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	STE25
Proposed Budget:	0
AWP Completion Date:	05132003
Revised Due Date:	Not reported
Comments Date:	05132003
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:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL32
Proposed Budget:	0
AWP Completion Date:	06282002
Revised Due Date:	Not reported
Comments Date:	06282002
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL31  
Proposed Budget: 0  
AWP Completion Date: 06282002  
Revised Due Date: Not reported  
Comments Date: 06282002  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL30  
Proposed Budget: 0  
AWP Completion Date: 06282002  
Revised Due Date: Not reported  
Comments Date: 06282002  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL29  
Proposed Budget: 0  
AWP Completion Date: 03292002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Revised Due Date:	Not reported
Comments Date:	03292002
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:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL28
Proposed Budget:	0
AWP Completion Date:	03292002
Revised Due Date:	Not reported
Comments Date:	03292002
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:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL27
Proposed Budget:	0
AWP Completion Date:	03292002
Revised Due Date:	Not reported
Comments Date:	03292002
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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:	15970001
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	S426
Proposed Budget:	0
AWP Completion Date:	10112001
Revised Due Date:	Not reported
Comments Date:	10112001
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:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL26
Proposed Budget:	0
AWP Completion Date:	12132001
Revised Due Date:	Not reported
Comments Date:	12132001
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Facility ID: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL25  
Proposed Budget: 0  
AWP Completion Date: 12132001  
Revised Due Date: Not reported  
Comments Date: 12132001  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL24  
Proposed Budget: 0  
AWP Completion Date: 12132001  
Revised Due Date: Not reported  
Comments Date: 12132001  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL23  
Proposed Budget: 0  
AWP Completion Date: 09172001  
Revised Due Date: Not reported  
Comments Date: 09172001  
Est Person-Yrs to complete: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL22  
Proposed Budget: 0  
AWP Completion Date: 09172001  
Revised Due Date: Not reported  
Comments Date: 09172001  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL21  
Proposed Budget: 0  
AWP Completion Date: 09172001  
Revised Due Date: Not reported  
Comments Date: 09172001  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL20  
Proposed Budget: 0  
AWP Completion Date: 06112001  
Revised Due Date: Not reported  
Comments Date: 06112001  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL19  
Proposed Budget: 0  
AWP Completion Date: 06082001  
Revised Due Date: Not reported  
Comments Date: 06082001  
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: 15970001  
Activity: RAW  
Activity Name: REMOVAL ACTION WORKPLAN



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

AWP Code: STE25  
Proposed Budget: 0  
AWP Completion Date: 12042000  
Revised Due Date: Not reported  
Comments Date: 12042000  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL18  
Proposed Budget: 0  
AWP Completion Date: 03152001  
Revised Due Date: Not reported  
Comments Date: 03152001  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL17  
Proposed Budget: 0  
AWP Completion Date: 03152001  
Revised Due Date: Not reported  
Comments Date: 03152001  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported  
Activity Status: AWP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

1000155217

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:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL16
Proposed Budget:	0
AWP Completion Date:	03152001
Revised Due Date:	Not reported
Comments Date:	03152001
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:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL15
Proposed Budget:	0
AWP Completion Date:	02072001
Revised Due Date:	Not reported
Comments Date:	02072001
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL14  
Proposed Budget: 0  
AWP Completion Date: 02072001  
Revised Due Date: Not reported  
Comments Date: 02072001  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL13  
Proposed Budget: 0  
AWP Completion Date: 02082001  
Revised Due Date: Not reported  
Comments Date: 02082001  
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: 15970001  
Activity: DES  
Activity Name: DESIGN  
AWP Code: STE18  
Proposed Budget: 0  
AWP Completion Date: 08021999

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

1000155217

Revised Due Date:	Not reported
Comments Date:	08021999
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:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL12
Proposed Budget:	0
AWP Completion Date:	04212000
Revised Due Date:	Not reported
Comments Date:	04212000
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:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	PRL11
Proposed Budget:	0
AWP Completion Date:	01052000
Revised Due Date:	Not reported
Comments Date:	01052000
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL10  
Proposed Budget: 0  
AWP Completion Date: 01052000  
Revised Due Date: Not reported  
Comments Date: 01052000  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL9  
Proposed Budget: 0  
AWP Completion Date: 09291999  
Revised Due Date: Not reported  
Comments Date: 09291999  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Facility ID: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL8  
Proposed Budget: 0  
AWP Completion Date: 09291999  
Revised Due Date: Not reported  
Comments Date: 09291999  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL7  
Proposed Budget: 0  
AWP Completion Date: 02261999  
Revised Due Date: Not reported  
Comments Date: 02261999  
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: 15970001  
Activity: DES  
Activity Name: DESIGN  
AWP Code: S223  
Proposed Budget: 0  
AWP Completion Date: 02021999  
Revised Due Date: Not reported  
Comments Date: 02021999  
Est Person-Yrs to complete: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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:	15970001
Activity:	DES
Activity Name:	DESIGN
AWP Code:	SIT14
Proposed Budget:	0
AWP Completion Date:	02011999
Revised Due Date:	Not reported
Comments Date:	02011999
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:	15970001
Activity:	PEA
Activity Name:	PRELIMINARY ENDANGERMENT ASSESSMENT
AWP Code:	B8595
Proposed Budget:	0
AWP Completion Date:	01281999
Revised Due Date:	Not reported
Comments Date:	01281999
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL6  
Proposed Budget: 0  
AWP Completion Date: 10011998  
Revised Due Date: Not reported  
Comments Date: 10011998  
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: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: SRAM  
Proposed Budget: 0  
AWP Completion Date: 08031998  
Revised Due Date: Not reported  
Comments Date: 08031998  
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: REMOVAL ACTION CONSISTED OF DESTRUCTION OF SHORT RANGE ATTACK MISSLE MOTOR.  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: OM



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Name: OPERATION & MAINTENANCE  
AWP Code: OU-6  
Proposed Budget: 0  
AWP Completion Date: 04271999  
Revised Due Date: Not reported  
Comments Date: 04271999  
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: 15970001  
Activity: RAW  
Activity Name: REMOVAL ACTION WORKPLAN  
AWP Code: S133  
Proposed Budget: 0  
AWP Completion Date: 10172000  
Revised Due Date: Not reported  
Comments Date: 10172000  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL5  
Proposed Budget: 0  
AWP Completion Date: 10011998  
Revised Due Date: Not reported  
Comments Date: 10011998  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported  
Request to Delete Activity: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL4  
Proposed Budget: 0  
AWP Completion Date: 07291998  
Revised Due Date: Not reported  
Comments Date: 07291998  
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: 15970001  
Activity: PEA  
Activity Name: PRELIMINARY ENDANGERMENT ASSESSMENT  
AWP Code: PRL1  
Proposed Budget: 0  
AWP Completion Date: 12121996  
Revised Due Date: Not reported  
Comments Date: 12121996  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: S223  
Proposed Budget: 0  
AWP Completion Date: 06011999  
Revised Due Date: Not reported  
Comments Date: 06011999  
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: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: SIT14  
Proposed Budget: 0  
AWP Completion Date: 06111999  
Revised Due Date: Not reported  
Comments Date: 06111999  
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: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: SIT29  
Proposed Budget: 0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

AWP Completion Date: 06041998  
Revised Due Date: Not reported  
Comments Date: 06041998  
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: X  
Removal Action Certification: N  
Activity Comments: REMOVAL ACTION CONSISTED OF FENCING THE SITE FOR ACCESS RESTRICTION AND CONDUCTING LONG-TERM GROUNDWATER MONITORING.  
  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: RAW  
Activity Name: REMOVAL ACTION WORKPLAN  
AWP Code: S223  
Proposed Budget: 0  
AWP Completion Date: 05071998  
Revised Due Date: Not reported  
Comments Date: 05071998  
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: 15970001  
Activity: RAW  
Activity Name: REMOVAL ACTION WORKPLAN  
AWP Code: SIT14  
Proposed Budget: 0  
AWP Completion Date: 05071998  
Revised Due Date: Not reported  
Comments Date: 05071998  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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:	15970001
Activity:	RAW
Activity Name:	REMOVAL ACTION WORKPLAN
AWP Code:	SIT29
Proposed Budget:	0
AWP Completion Date:	05071998
Revised Due Date:	Not reported
Comments Date:	05071998
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:	15970001
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	OU2
Proposed Budget:	0
AWP Completion Date:	11302005
Revised Due Date:	04302005
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	X
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: 5&15  
Proposed Budget: 0  
AWP Completion Date: 12101997  
Revised Due Date: Not reported  
Comments Date: 12101997  
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: INITIAL OPERATION OF THE DUAL EXTRACTION SYSTEM TO REMEDIATE VOC CONTAMINATION COMMENCED ON 4/10/97. AMOUNTS SHOWN ARE FOR THE INITIAL 3 MONTHS OF OPERATION.

For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: 7&167  
Proposed Budget: 0  
AWP Completion Date: 06301997  
Revised Due Date: Not reported  
Comments Date: 06301997  
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): 8482  
Liquids Treated (Gals): 8482  
Action Included Capping: X  
Well Decommissioned: Not reported  
Action Included Fencing: X  
Removal Action Certification: N  
Activity Comments: BERYLLIUM CONTAMINATED SOILS WERE EXCAVATED AND DEPOSITED ON-SITE UNDER THE DTSC CAMU REGULATIONS AND IN ACCORDANCE WITH THE ARARS CONTAINED IN 23 CCR, CHAPTER 15.

For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

AWP Code: SIT16  
Proposed Budget: 0  
AWP Completion Date: 06301997  
Revised Due Date: Not reported  
Comments Date: 06301997  
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: INITIAL OPERATION OF THE DULA EXTRACTION SYSTEM BEGAN ON MARCH 18. BASED ON BIMONTHLY MONITORING REPORTS, THE SYSTEM APPEARS TO BE OPERATING PROPERLY. CONTINUED OPERATION WILL BE CONDUCTED UNDER OM.

For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: SIT45  
Proposed Budget: 0  
AWP Completion Date: 05221997  
Revised Due Date: Not reported  
Comments Date: 05221997  
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: THE SITE 45 RA CONSISTS OF DTSC'S APPROVAL THAT THE DUAL VAPOR/ GROUNDWATER EXTRACTION SYSTEM IS OPERATING SATISFACTORILY AND THAT THE SYSTEM IS NOW CONSIDERED TO BE IN AN OPERATION AND MAINTENANCE MODE.

For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: 5&15  
Proposed Budget: 0  
AWP Completion Date: 06301997  
Revised Due Date: Not reported  
Comments Date: 06301997

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: 15970001  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: SIT18  
Proposed Budget: 0  
AWP Completion Date: 05291997  
Revised Due Date: Not reported  
Comments Date: 05291997  
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: 15970001  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: SIT16  
Proposed Budget: 0  
AWP Completion Date: 09301996  
Revised Due Date: Not reported  
Comments Date: 09301996  
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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: 15970001  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: SIT45  
Proposed Budget: 0  
AWP Completion Date: 09301996  
Revised Due Date: Not reported  
Comments Date: 09301996  
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: 15970001  
Activity: RAP  
Activity Name: REMEDIAL ACTION PLAN / RECORD OF DECISION  
AWP Code: 7&167  
Proposed Budget: 0  
AWP Completion Date: 09301996  
Revised Due Date: Not reported  
Comments Date: 09301996  
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: 15970001  
Activity: PPP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Name: PUBLIC PARTICIPATION PLAN  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: 05311994  
Revised Due Date: Not reported  
Comments Date: 05311994  
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: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: OU1FP  
Proposed Budget: 0  
AWP Completion Date: 01301993  
Revised Due Date: Not reported  
Comments Date: 01301993  
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: INSTALLATION, DEVELOPMENT AND ACTIVATION OF SIX SCAVENGER PUMPS TO REMOVE FREE JP-4 FUEL PRODUCT FROM THE GROUNDWATER SURFACE AT SITE 16.  
For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: OU1BV  
Proposed Budget: 0  
AWP Completion Date: 01301993  
Revised Due Date: Not reported  
Comments Date: 01301993  
Est Person-Yrs to complete: 0  
Estimated Size: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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: REMOVAL OF JP-4 FUEL IN THE VADOSE ZONE BY INJECTION OF AIR UNDER-GROUND TO PROVIDE OXYGEN TO NATIVE BACTERIA WHICH FEED ON PETROLEUM HYDROCARBONS.

For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: RA  
Activity Name: REMOVAL ACTION  
AWP Code: OU1PR  
Proposed Budget: 0  
AWP Completion Date: 01301992  
Revised Due Date: Not reported  
Comments Date: 01301992  
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: CONSTRUCTION OF A NEW JP-4 JET FUEL PIPELINE TO REPLACE EXISTING PIPE-LINE FROM FUEL TANK FARM TO FLIGHT LINE WITH DOUBLE-WALLED PIPE WITHLEAK DETECTORS.

For Commercial Reuse: 0  
For Industrial Reuse: 0  
For Residential Reuse: 0  
Unknown Type: 0  
Facility ID: 15970001  
Activity: PPP  
Activity Name: PUBLIC PARTICIPATION PLAN  
AWP Code: Not reported  
Proposed Budget: 0  
AWP Completion Date: 04301991  
Revised Due Date: Not reported  
Comments Date: 04301991  
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

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

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:	15970001
Activity:	SS
Activity Name:	SITE SCREENING
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	02101987
Revised Due Date:	Not reported
Comments Date:	02101987
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:	15970001
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	BASWD
Proposed Budget:	0
AWP Completion Date:	12312010
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

Map ID  
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MAP FINDINGS

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Facility ID: 15970001  
Activity: ORDER  
Activity Name: I/SE, IORSE, FFA, FFSRA, VCA, EA  
AWP Code: FFA  
Proposed Budget: 0  
AWP Completion Date: Not reported  
Revised Due Date: Not reported  
Comments Date: 10311990  
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  
Alternate Address: SOUTH OF HIGHWAY 58  
Alternate City,St,Zip: MOJAVE, CA 93501  
Alternate Address: 470 SQ MI; 60 MI NE OF LOS ANGELES, CA  
Alternate City,St,Zip: EDWARDS, CA 93523  
Alternate Address: 6510 ABG/CC  
Alternate City,St,Zip: EDWARDS, CA 93523  
Alternate Address: AFFTC EDWARDS AFB  
Alternate City,St,Zip: EDWARDS, CA 93523  
Alternate Address: NE OF THE CITY OF LANCASTER  
Alternate City,St,Zip: MOJAVE, CA 93501  
Background Info: Edwards Air Force Base is an Air Force Command Test Center. The primary function of Edwards is to test new and existing air-craft and integrate them into the present Air Force inventory. The land area occupied by the base is 470 square miles. Within this land area there are 3 separate Air Force Bases, complete with runways and infrastructure; the NASA Dryden Flight Test and Space Shuttle Recovery facilities; the 50+ square mile Phillips Laboratory rocket test facility; the Precision Impact Range Area; and the Rogers and Rosamond Dry Lake Beds. In the past, the base was the home of the U.S. Army Helicopter Flight Test Center and the NASA Jet Propulsion Laboratory. During World War II, the base trained P-38 fighter pilots and B-24 bomber crews. After World War II, the base became a flight test center. The 469 discovered contaminated sites are divided into 10 Operable Units (OU): OU-1, Main Base Flightline; OU-2, South Base; OU-3, Basewide Water Wells; OU-4, Phillips Laboratory; OU-5, NASA/Jet Propulsion Laboratory; OU-6, NASA/Dryden; OU-7, Basewide Miscellaneous; OU-8, NW Main Base Flightline; OU-9, Phillips Laboratory (East); and OU-10, North Base. There is an extensive Archival Research Program underway to locate information leading to the identification of potential past chemical weapon activity on the base (40 + or - sites suspected). There is also an Under-ground Storage Tank removal program (700 USTs removed). In the summer of 1989, EPA listed Edwards on

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

the National Priority List. A Federal Facility Agreement (FFA) between Edwards, EPA, RWQCB, and DTSC was negotiated and became effective in October 1990.

Comments Date: 01052000  
Comments: PEA - PRL10 -- Concurrence provided on PEA equivalent documents for  
Comments Date: 01052000  
Comments: or OU-4, areas of concern 122, 141, 170, and 171. PEA - PRL11 --  
Comments Date: 01052000  
Comments: Concurrence provided on PEA equivalent document for OU-5, area of  
Comments Date: 01052000  
Comments: concern 233.  
Comments Date: 01281999  
Comments: PEA - B8595 -- Investigation and closure of AOC's 170-172 in Building  
Comments Date: 01281999  
Comments: ding 8595 in OU-4.  
Comments Date: 01301992  
Comments: RA (OU1PR): Construction of a new JP-4 jet fuel pipeline to replace  
Comments Date: 01301992  
Comments: ce existing pipeline from fuel tank farm to flight line (4.5 miles)  
Comments Date: 01301992  
Comments: s) with double-walled pipe and leak detectors. No contaminated soil  
Comments Date: 01301992  
Comments: il was removed with this action.  
Comments Date: 01301993  
Comments: RA (OU1BV): Removal of JP-4 fuel in the vadose zone by injection  
Comments Date: 01301993  
Comments: of air underground to provide oxygen to native bacteria which feed  
Comments Date: 01301993  
Comments: d on petroleum hydrocarbons. This process is being employed at Site  
Comments Date: 01301993  
Comments: Site 16 - Fuel Spill and at Site 21 - Jet Engine test cell facility  
Comments Date: 01301993  
Comments: y. RA (OU1FP): Installation, development and activation of six scavenger  
Comments Date: 01301993  
Comments: pumps to remove free product from the groundwater surface  
Comments Date: 01301993  
Comments: e at Site 16.  
Comments Date: 02011999  
Comments: DES - SIT14 -- Design for installing, operating, and evaluating the  
Comments Date: 02011999  
Comments: he groundwater extraction and treatment system at Site 14 in OU-2  
Comments Date: 02011999  
Comments: .  
Comments Date: 02021999  
Comments: DES - S223 -- Design for installing, operating and evaluating the  
Comments Date: 02021999  
Comments: SVE and air sparging systems at Site 223 in OU-2.  
Comments Date: 02072001  
Comments: PEA - PRL14 -- Concurrence provided on PEA equivalent documents for  
Comments Date: 02072001  
Comments: or Operable Unit #10, Area of Concern 243. PEA - PRL15 -- Concurrence  
Comments Date: 02072001  
Comments: rrence provided on PEA equivalent documents for Operable Unit #1,  
Comments Date: 02072001  
Comments: Sites 46, 55 and 366.  
Comments Date: 02081983  
Comments: Records Search: HWMB/Enforcement actively involved.

Map ID  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Comments Date: 02082001  
Comments: PEA - PRL13 -- Concurrence provided on PEA equivalent documents f  
Comments Date: 02082001  
Comments: or Operable Unit #4, Site 12 and Areas of Concern 121, 155 and 16  
Comments Date: 02082001  
Comments: 4.  
Comments Date: 02101987  
Comments: Site Screening Done.  
Comments Date: 02261999  
Comments: PEA - PRL7 -- Concurrence provided on PEA - equivalent documents  
Comments Date: 02261999  
Comments: for OU-10 sites 228, 232, and 256.  
Comments Date: 03152001  
Comments: PEA - PRL16 -- Concurrence provided on PEA equivalent documents f  
Comments Date: 03152001  
Comments: or Operable Unit #4, Site 150 and Area of Concern 168. PEA - PR  
Comments Date: 03152001  
Comments: L17 -- Concurrence provided on PEA equivalent documents for Opera  
Comments Date: 03152001  
Comments: ble Unit #7 Sites 4 and 34 and Areas of Concern 388 and 394. PE  
Comments Date: 03152001  
Comments: A - PRL18 -- Concurrence provided on PEA equivalent documents for  
Comments Date: 03152001  
Comments: Operable Unit #8, Site 2.  
Comments Date: 03292002  
Comments: PEA - PRL27 -- No Further Investigation (NFI) documents signed by  
Comments Date: 03292002  
Comments: the Edwards Air Force Base Remedial Project Manager for Operable  
Comments Date: 03292002  
Comments: Unit 4- Air Force Research Laboratory Site Number 146 and for Op  
Comments Date: 03292002  
Comments: erable Unit 9 - East Air Force Research Laboratory Site Number 37  
Comments Date: 03292002  
Comments: 6. The NFI determination for these site-specific actions means t  
Comments Date: 03292002  
Comments: hat these Sites have been adequately investigated and that the re  
Comments Date: 03292002  
Comments: sults justify the determination. PEA - PRL28 -- No Further Inve  
Comments Date: 03292002  
Comments: stigation (NFI) documents signed by the Edwards Air Force Base Re  
Comments Date: 03292002  
Comments: medial Project Manager for Operable Unit 7 - Basewide Miscellaneo  
Comments Date: 03292002  
Comments: us Site Number 353 and Area of Concern (AOC) Numbers 268,368 and  
Comments Date: 03292002  
Comments: 371. The NFI determination for these site-specific actions means  
Comments Date: 03292002  
Comments: that these Sites/AOCs have been adequately investigated and that  
Comments Date: 03292002  
Comments: the results justify the determination. PEA - PRL29 -- No Furth  
Comments Date: 06302003  
Comments: apor from seven wells. The cumulative mass of contaminants remov  
Comments Date: 06302003  
Comments: ed during the reporting period was 472 pounds. Vapor flow rates  
Comments Date: 06302003  
Comments: averaged approximately 42 standard cubic feet per minute (scfm) d  
Comments Date: 06302003

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Comments: uring January to August 2002, and 84 scfm during September to Dec  
Comments Date: 06302003  
Comments: ember 2002 following expansion of the well field from three to se  
Comments Date: 06302003  
Comments: ven wells. The SVE operating cost for the year 2002, excluding l  
Comments Date: 06302003  
Comments: abor, was \$95,172.  
Comments Date: 07291998  
Comments: PEA - PRL4 -- Edwards AFB has adequately investigated the OU-2 OI  
Comments Date: 07291998  
Comments: d South Base PRL sites 72, 73, 78, 79, 84, 87, 98, 100, 101, 104,  
Comments Date: 07291998  
Comments: 290, 291 and 417 (collectively, PRL4) DTSC finds that the docume  
Comments Date: 07291998  
Comments: nts are equivalent to a PEA document.  
Comments Date: 08021999  
Comments: DES - STE18 -- Approval of dual extraction system design for inte  
Comments Date: 08021999  
Comments: rim removal action to treat TCE contaminated soil and groundwater  
Comments Date: 08021999  
Comments: .  
Comments Date: 08031998  
Comments: RA - SRAM -- Time critical removal action taken to destroy short  
Comments Date: 08031998  
Comments: range attack missile motor.  
Comments Date: 08062004  
Comments: RA - S426 -- No Further Action recommendation following the compl  
Comments Date: 08062004  
Comments: etion of a removal action at Site 426 in OU-7, documented in the  
Comments Date: 08062004  
Comments: Site Interim Removal Action Report, March 2004. Site 426 is an h  
Comments Date: 08062004  
Comments: istic WWII Chemical Warfare Material Storage Yard near dormitor  
Comments Date: 08062004  
Comments: ies where investigation delineated frou possible "trenches." An  
Comments Date: 08062004  
Comments: excavation removal action conducted in 2002 identified no hazardo  
Comments Date: 08062004  
Comments: us contaminants, only four sets of concrete "rails" which were re  
Comments Date: 08062004  
Comments: moved.  
Comments Date: 08241981  
Comments: Facility Identified: EPA Superfund Notification List.  
Comments Date: 09172001  
Comments: PEA - PRL21 -- Concurrence provided on PEA equivalent document fo  
Comments Date: 09172001  
Comments: r OU7, AOCs 261, 262, 263, 264, and 265. PEA - PRL22 -- Concurr  
Comments Date: 09172001  
Comments: ence provided on PEA equivalent document for OU10, Site 279. PE  
Comments Date: 09172001  
Comments: A - PRL23 -- Concurrence provided on PEA equivalent document for  
Comments Date: 09172001  
Comments: OU2, AOCs 458, 459, and 460.  
Comments Date: 09281999  
Comments: PEA - PRL8 -- Concurrence provided on PEA equivalent documents  
Comments Date: 09281999  
Comments: for OU-3, Sites 409, 410, 411, and 416.



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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Comments Date: 09281999  
Comments: PEA - PRL9 -- Concurrence provided on PEA equivalent documents  
Comments Date: 09281999  
Comments: for OU-2, Sites 105, 109, 111, and 364.  
Comments Date: 10011998  
Comments: PEA - PRL5 -- EAFB has adequately investigated the OU-5 NASA Jet  
Comments Date: 10011998  
Comments: Propulsion laboratory PRL Sites 195, 200, 201, 243, 289 and 350 (  
Comments Date: 10011998  
Comments: collectively, PRL5). DTSC finds that the documents are equivalen  
Comments Date: 10011998  
Comments: t to a PEA document. PEA - PRL6 -- EAFB has adequately investig  
Comments Date: 10011998  
Comments: ated the OU-2 Old South Base PRL Sites 75, 77, 89, 95, 97 and 99  
Comments Date: 10011998  
Comments: (collectively, PRL6). DTSC finds that the documents are equivalen  
Comments Date: 10011998  
Comments: t to a PEA document.  
Comments Date: 10112001  
Comments: RAW - S426 -- RAP of Edwards Air Force Base operable unit 7, site  
Comments Date: 10112001  
Comments: 426, includes both the Engineering Evaluation/Cost Analysis and  
Comments Date: 10112001  
Comments: Action Memorandum. The selected remedy for the chemical warfare  
Comments Date: 10112001  
Comments: site is containment excavation.  
Comments Date: 10152004  
Comments: This FS summarizes the backgrounds, plume characteristics, and re  
Comments Date: 10152004  
Comments: medial action alternatives evaluated for sites recommended for re  
Comments Date: 10152004  
Comments: medial action within Operable Unit 6 (OU-6). The report includes  
Comments Date: 10152004  
Comments: preliminary cleanup goals, technical approach comparisons, and c  
Comments Date: 10152004  
Comments: ost comparisons of applicable remedial alternatives. Sites in OU  
Comments Date: 10152004  
Comments: -6 are not currently used for residential purposes, nor is such u  
Comments Date: 10152004  
Comments: se anticipated; therefore, the FS focuses on industrial use consi  
Comments Date: 10152004  
Comments: derations. The preferred alternative recommended for the Proposed  
Comments Date: 10152004  
Comments: Plan is Source Control and Hydrologic Control with Groundwater M  
Comments Date: 10152004  
Comments: onitoring.  
Comments Date: 10172000  
Comments: RAW - S133 -- The proposed Interim Removal Action consists of the  
Comments Date: 10172000  
Comments: extraction of groundwater contaminated with solvents, primarily  
Comments Date: 10172000  
Comments: trichloroethylene, and treatment by liquid phase granular activat  
Comments Date: 10172000  
Comments: ed carbon. Treated effluent will be discharged to the Base's san  
Comments Date: 10172000  
Comments: itary sewer system. A total of 43,200 gallons per day of groundw  
Comments Date: 10172000

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Comments: ater will be extracted and treated.  
Comments Date: 12042000  
Comments: RAW - STE25 -- Concurrence on the proposed interim removal action  
Comments Date: 12042000  
Comments: to treat groundwater contaminated with telchloroethylene and N-N  
Comments Date: 12042000  
Comments: iprosodimethylamine. Extracted groundwater will be treated by ca  
Comments Date: 12042000  
Comments: rbon absorption and discharged to EAFB's sanitary sewer.  
Comments Date: 12132001  
Comments: PEA - PRL24 - Preliminary Endangerment Assessment (PEA) of Edward  
Comments Date: 12132001  
Comments: s Air Force Base, Operable Unit 4, sites 7 and 174 and area of co  
Comments Date: 12132001  
Comments: ncern 167, determined that these sites and of concern pose no env  
Comments Date: 12132001  
Comments: ronmental or Human Health Threat. This document administratively  
Comments Date: 12132001  
Comments: removes these sites from further investigation. PEA - PRL25 --  
Comments Date: 12132001  
Comments: Preliminary Endangerment Assessment (PEA) Edwards Air Force Base  
Comments Date: 12132001  
Comments: , Operable Unit 7, Sites 295, 434, 435, 436 441 and area of conce  
Comments Date: 12132001  
Comments: rn 457, determined that these sites and area of concern pose no E  
Comments Date: 12132001  
Comments: nvironmental or Human Health Threat. This document administrative  
Comments Date: 12132001  
Comments: ly removes these sites from further investigation. PEA - PRL26  
Comments Date: 12132001  
Comments: -- Preliminary Endangerment Assessment (PEA) Edwards Air Force Ba  
Comments Date: 12132001  
Comments: se, Operable Unit 9, Site 179, determined that this site poses no  
Comments Date: 12132001  
Comments: environmental or Human Health Threat. This document administrati  
Comments Date: 12132001  
Comments: vely removes this site from further investigation.  
Comments Date: 03292002  
Comments: er Investigation (NFI) documents signed by the Edwards Air Force  
Comments Date: 03292002  
Comments: Base Remedial Project Manager for Operable Unit 4 - Air Force Res  
Comments Date: 03292002  
Comments: earch Laboratory Site Number 7 and 146, and Area of Concern (AOC)  
Comments Date: 03292002  
Comments: Number 167 and 174. The NFI determination for these site-specif  
Comments Date: 03292002  
Comments: ic actions means that these Sites/AOCs have been adequately inves  
Comments Date: 03292002  
Comments: tigated and that the results justify the determination.  
Comments Date: 04212000  
Comments: PEA -- Concurrence provided on PEA equivalent documents for OU-3,  
Comments Date: 04212000  
Comments: sites 30,412,413,414, and 415.  
Comments Date: 04271999  
Comments: OM - OU-6 -- APPROVAL OF THE O&M PLAN FOR OU-6 SITES, N2, N3 AND  
Comments Date: 04271999  
Comments: N7.

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Comments Date: 05011986  
Comments: Records Search: Military air force base. Contaminants  
Comments Date: 05011986  
Comments: include JP-4, benzene, toluene, xylene, TCE, & PCE.  
Comments Date: 05071998  
Comments: RAW - SIT9 -- The South Base abandoned landfill has been fenced a  
Comments Date: 05071998  
Comments: nd will be monitored. RAW - SIT14 -- Groundwater at Site 14 con  
Comments Date: 05071998  
Comments: taminated with petroleum hydrocarbon, volatile organics, and semi  
Comments Date: 05071998  
Comments: -volatile organics will be treated via extraction and treatment b  
Comments Date: 05071998  
Comments: y liquid-phase granular activated carbon adsorption, then reinject  
Comments Date: 05071998  
Comments: ed into the groundwater aquifer. RAW - S223 -- Petroleum hydroc  
Comments Date: 05071998  
Comments: arbon contamination in soil and groundwater will be treated using  
Comments Date: 05071998  
Comments: soil vapor extraction/vapor treatment for soils and air sparging  
Comments Date: 05071998  
Comments: for groundwater. Monitoring of the system will also be required.  
Comments Date: 05132003  
Comments: RA - STE25 -- This report summarizes the operational maintenance  
Comments Date: 05132003  
Comments: and system sampling data collected during the period from Decembe  
Comments Date: 05132003  
Comments: r 28, 2001 through July 1, 2002 for the Site 25 Groundwater Extra  
Comments Date: 05132003  
Comments: ction and Treatment System (GETS), in Operable Unit No. 8. Durin  
Comments Date: 05132003  
Comments: g the reporting period, approximately 4,483,000 gallons of ground  
Comments Date: 05132003  
Comments: water were extracted and treated by the Site 25 GETS at an averag  
Comments Date: 05132003  
Comments: e flowrate of 19.9 gallons per minute. 20.5 pounds (lbs.) of tri  
Comments Date: 05132003  
Comments: chloroethene (TCE) were removed from treated groundwater. As of  
Comments Date: 05132003  
Comments: July 1, 2002, the GETS removed a cumulative total of 28.7. lbs.  
Comments Date: 05132003  
Comments: of TCE from treated groundwater. The treatment system effluent i  
Comments Date: 05132003  
Comments: s discharged to the base sanitary sewer under an industrial waste  
Comments Date: 05132003  
Comments: water discharge permit issued by Edwards Air Force Base (AFB).  
Comments Date: 05311994  
Comments: PPP - DTSC approved a Public Participation Plan (revision) for Ed  
Comments Date: 05311994  
Comments: wards Air Force Base.  
Comments Date: 06011999  
Comments: RA - S223 -- Implementation of a SVE/Air sparging system to remed  
Comments Date: 06011999  
Comments: iate fuel contaminated soil and groundwater.  
Comments Date: 06041998  
Comments: RA - SIT29-- Removal action consisted of fencing the site for acc  
Comments Date: 06041998

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Comments: ess restriction and conducting long - term groundwater monitoring  
Comments Date: 06041998  
Comments: .  
Comments Date: 06082001  
Comments: PEA - PRL19 -- concurrence provided on PEA equivalent document fo  
Comments Date: 06082001  
Comments: r OU4, Site 186.  
Comments Date: 06111999  
Comments: RA - SIT14 -- Implementation of a GW extraction/treatment system  
Comments Date: 06111999  
Comments: to remediate TCE contaminated GW. System implemented consists of  
Comments Date: 06111999  
Comments: 4 extraction wells and an above ground treatment system using ca  
Comments Date: 06111999  
Comments: rbon adsorption.  
Comments Date: 06112001  
Comments: PEA - PRL20 -- Concurrence provided on PEA equivalent documents f  
Comments Date: 06112001  
Comments: or OU-5 sites 229, 235, 236, 238, 348, and 349 and AOCs 187, 190-  
Comments Date: 06112001  
Comments: 192, 230, 246, 251, 253, 281, 283, 287, 288, 403, 420 423.  
Comments Date: 06272003  
Comments: RA - S133 -- Construction of the Groundwater Extrraction Treatmen  
Comments Date: 06272003  
Comments: t System was completed between 01/09 and 04/18/2001 with testing  
Comments Date: 06272003  
Comments: of the system during the week of 04/23/2001 and startup on 04/30/  
Comments Date: 06272003  
Comments: 2001. The system includes three groundwater extraction wells and  
Comments Date: 06272003  
Comments: an aboveground treatment system that uses liquid-phase granular  
Comments Date: 06272003  
Comments: activated carbon to remove volatile organic compounds (VOCs) in t  
Comments Date: 06272003  
Comments: he extracted groundwater prior to discharge to the Air Force Rese  
Comments Date: 06272003  
Comments: arch Laboratory (AFRL) sewage treatment plant. The system is des  
Comments Date: 06272003  
Comments: igned for a maximum capacity of 50 gallons per minute (gpm); howe  
Comments Date: 06272003  
Comments: ver, the volume of water extracted is limited by a discharge perm  
Comments Date: 06272003  
Comments: it to 20 gpm.  
Comments Date: 06282002  
Comments: PEA - PRL30 -- No Further Investigation (NFI) documents signed by  
Comments Date: 06282002  
Comments: the Edwards Air Force Base Remedial Project Managers for Operabl  
Comments Date: 06282002  
Comments: e Unit 7 - Basewide Miscellaneous Area of Concern (AOC) Number 40  
Comments Date: 06282002  
Comments: 0. The NFI determination for this site-specific action means tha  
Comments Date: 06282002  
Comments: t the AOC has been adequately investigated and that the results j  
Comments Date: 06282002  
Comments: ustify the determination. PEA - PRL31 -- No Futher Investigatio  
Comments Date: 06282002  
Comments: n (NFI) documents signed by the Edwards Air Force Base Remedial P

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Comments Date: 06282002  
Comments: roject Managers for Operable Unit 1 - Main Base Flight Line Site  
Comments Date: 06282002  
Comments: Number 65. The NFI determination for this site-specific action m  
Comments Date: 06282002  
Comments: eans that the Site has been adequately investigated and that the  
Comments Date: 06282002  
Comments: results justify the determination. PEA - PRL32 -- No Further In  
Comments Date: 06282002  
Comments: vestigation (NFI) documents signed by the Edwards Air Force Base  
Comments Date: 06282002  
Comments: Remedial Project Managers for Operable Unit 2 - Ould South Base S  
Comments Date: 06282002  
Comments: ite Number 96. The NFI determination for this site-specific acti  
Comments Date: 06282002  
Comments: on means that this Site has been adequately investigated and that  
Comments Date: 06282002  
Comments: the results justify the determination.  
Comments Date: 06302003  
Comments: OM - S172 -- In January 2000, the Air Force implemented an interi  
Comments Date: 06302003  
Comments: m removal action (IRA) consisting of soil vapor extraction (SVE)  
Comments Date: 06302003  
Comments: at Site 172, the outdoor waste sump at Building 8595 in Operable  
Comments Date: 06302003  
Comments: Uit 4, Air Force Research Laboratory. The primary objective of th  
Comments Date: 06302003  
Comments: e IRA at Site 172 is to remove contaminant mass and reduce the fu  
Comments Date: 06302003  
Comments: rther migration of volatile organic compounds (VOCs) from contami  
Comments Date: 06302003  
Comments: nated soil into the Site 37 groundwater plume. The SVE system op  
Comments Date: 06302003  
Comments: erated with one well initially; two more wells were added in Augu  
Comments Date: 06302003  
Comments: st 2000. Four additional extraction wells were connected to the s  
Comments Date: 06302003  
Comments: ystem, which was brought on line September 12, 2002, extracting v  
ID Name: EPA IDENTIFICATION NUMBER  
ID Value: CA1570024504  
ID Name: BEP DATABASE PCODE  
ID Value: P12020  
Alternate Name: EDWARDS AFB  
Alternate Name: EDWARDS AIR FORCE BASE  
Alternate Name: Not reported  
Special Programs Code: DSMOA  
Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT

**DEED:**

Name: EDWARDS AIR FORCE BASE - IR/MMRP  
Address: 470 SQ MI; 60 MI NE OF LOS ANGELES, CA  
City,State,Zip: EDWARDS, CA 93523  
Envirostor ID: 15970001  
Area: 4A - AFRL AREA  
Sub Area: Not reported  
Site Type: FEDERAL SUPERFUND  
Status: ACTIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): Not reported  
File Name: Envirostor Land Use Restrictions

Name: EDWARDS AIR FORCE BASE - IR/MMRP  
Address: 470 SQ MI; 60 MI NE OF LOS ANGELES, CA  
City,State,Zip: EDWARDS, CA 93523  
Envirostor ID: 15970001  
Area: 6 - OPERABLE UNIT 6, NASA DRYDEN  
Sub Area: Not reported  
Site Type: FEDERAL SUPERFUND  
Status: ACTIVE  
Agency: Not reported  
Covenant Uploaded: Not reported  
Deed Date(s): Not reported  
File Name: Envirostor Land Use Restrictions

**ROD:**

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
RG: 9  
Site ID: 902725  
Action: FF ESD  
Operable Unit Number: AFRL SOIL & DEBRIS (OU 4&9)  
SEQ ID: 1  
Action Completion: 2013-06-28 00:00:00  
NPL Status: Final  
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
RG: 9  
Site ID: 902725  
Action: FF ROD (RCRA Statement of Basis/RTC)  
Operable Unit Number: SOUTH BASE  
SEQ ID: 1  
Action Completion: 2009-06-24 00:00:00  
NPL Status: Final  
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
RG: 9  
Site ID: 902725  
Action: FF ROD (RCRA Statement of Basis/RTC)  
Operable Unit Number: BASEWIDE WELLS (HOMESTEAD)  
SEQ ID: 2  
Action Completion: 2003-09-30 00:00:00  
NPL Status: Final  
Non NPL Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
RG: 9  
Site ID: 902725  
Action: FF ROD (RCRA Statement of Basis/RTC)  
Operable Unit Number: SOUTH AFRL GROUNDWATER  
SEQ ID: 3  
Action Completion: 2007-09-24 00:00:00  
NPL Status: Final  
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
RG: 9  
Site ID: 902725  
Action: FF ROD (RCRA Statement of Basis/RTC)  
Operable Unit Number: NASA DRYDEN / ARMSTRONG  
SEQ ID: 4  
Action Completion: 2006-09-28 00:00:00  
NPL Status: Final  
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
RG: 9  
Site ID: 902725  
Action: FF ROD (RCRA Statement of Basis/RTC)  
Operable Unit Number: CHEMICAL WEAPONS MATERIEL  
SEQ ID: 5  
Action Completion: 2009-09-16 00:00:00  
NPL Status: Final  
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
RG: 9  
Site ID: 902725  
Action: FF ROD (RCRA Statement of Basis/RTC)  
Operable Unit Number: AFRL SOIL & DEBRIS (OU 4&9)  
SEQ ID: 12  
Action Completion: 2008-08-04 00:00:00  
NPL Status: Final  
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
RG: 9

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Site ID: 902725  
Action: FF ROD (RCRA Statement of Basis/RTC)  
Operable Unit Number: SITE 3 LANDFILL  
SEQ ID: 15  
Action Completion: 2012-09-21 00:00:00  
NPL Status: Final  
Non NPL Status: Not reported

Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB 5 EAST POPSON AVE, BLDG 2650A  
City,State,Zip: EDWARDS AFB, CA 93524  
EPA ID: CA1570024504  
RG: 9  
Site ID: 902725  
Action: FF ROD Amendment  
Operable Unit Number: SOUTH BASE  
SEQ ID: 1  
Action Completion: 2012-09-27 00:00:00  
NPL Status: Final  
Non NPL Status: Not reported

**RAATS:**

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 1 265.13(A)(3)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: .00  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 5 265.15(B)(2)  
Total No Cited: Not reported  
Reg Type: CFR



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 6 265.16(A)(3)(V)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 7 265.16(D)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Viol No Cited: 8 265.16(E)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 9 265.32(A)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 10 265.32(B)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 11 265.32(D)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 12 265.33  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 13 265.34(A)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 14 265.35  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 15 265.51(A)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 16 265.73(B)(2)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 17 265.73(B)(3)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 18 265.72(B)(6)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 19 265.75  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 20 265.112(B)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 21 265.118(A)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 22 265.173  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 23 265.173(B)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 24 268.7  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 25 262.34(A)(2)  
Total No Cited: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 2 265.13(B)(4)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance  
Violation No: Not reported  
Viol No Cited: 3 265.14(C)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

Entry No: 1  
Facility ID: CA1570024504  
Type: Not reported  
Docket No: RCRA 09-89-0003  
Region: 09  
Issue Date: 06/09/1989  
Final Date: 02/09/1989  
Status: Federal Facility Compliance Agreement  
Additional: Not reported  
Action ID: 461  
Action: Notice of Non-Compliance



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Violation No: Not reported  
Viol No Cited: 4 265.15(B)(1)  
Total No Cited: Not reported  
Reg Type: CFR  
Prop. Penalty: \*  
Final Penalty: .00  
Total Prop. Penalty: .00  
Comments: FEDERAL FACILITY COMPLIANCE AGREEMENT SIGNED 6/9/89.

PRP:

EPAID: CA1570024504  
Site ID: 0902725  
Name: EDWARDS AIR FORCE BASE  
Address: AFFTC EDWARDS AFB  
City,State,Zip: EDWARDS AFB, CA 93524  
NPL Status: Currently on the Final NPL  
NPL Status Short Name: Not reported  
PRP Name: STATE OF CALIFORNIA/DEPT. OF HEALTH SERVICES  
PRP Address: 10151 CROYDON WAY  
PRP City: SACRAMENTO,  
PRP State: CA  
PRP Zip: 95827  
Data Type: GENERAL NOTICE  
Action Date: 3/30/1990  
Settlement Code: NJ-1  
Settlement: Not Ltrs

PRP Name: STATE OF CALIFORNIA/DEPT. OF WATER QUALITY  
PRP Address: P.O. BOX 100  
PRP City: SACRAMENTO,  
PRP State: CA  
PRP Zip: 95801  
Data Type: GENERAL NOTICE  
Action Date: 3/30/1990  
Settlement Code: NJ-1  
Settlement: Not Ltrs

PRP Name: STATE OF CALIFORNIA/DEPT. OF WATER QUALITY  
PRP Address: 15428 CIVIC DR., SUITE 100  
PRP City: VICTORVILLE,  
PRP State: CA  
PRP Zip: 92392  
Data Type: GENERAL NOTICE  
Action Date: 3/30/1990  
Settlement Code: NJ-1  
Settlement: Not Ltrs

PRP Name: STATE OF CALIFORNIA/DEPT. OF HEALTH SERVICES  
PRP Address: 400 P ST., RM 4480  
PRP City: SACRAMENTO,  
PRP State: CA  
PRP Zip: 95814  
Data Type: GENERAL NOTICE  
Action Date: 3/30/1990  
Settlement Code: NJ-1  
Settlement: Not Ltrs

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

PRP Name: U.S. AIR FORCE  
PRP Address: AFRCE-WD/ROV 630 SANSOME ST., RM 1316  
PRP City: SAN FRANCISCO  
PRP State: CA  
PRP Zip: 94111  
Data Type: GENERAL NOTICE  
Action Date: 3/30/1990  
Settlement Code: NJ-1  
Settlement: Not Ltrs

PRP Name: U.S. AIR FORCE  
PRP Address: 6500 ABW/CC  
PRP City: EDWARDS AFB  
PRP State: CA  
PRP Zip: 93523  
Data Type: GENERAL NOTICE  
Action Date: 3/30/1990  
Settlement Code: NJ-1  
Settlement: Not Ltrs

PRP Name: U.S. EPA  
PRP Address: 401 M. ST., S.W.  
PRP City: WASHINGTON,  
PRP State: DC  
PRP Zip: 20460  
Data Type: GENERAL NOTICE  
Action Date: 3/30/1990  
Settlement Code: NJ-1  
Settlement: Not Ltrs

**ICIS:**

Enforcement Action ID: CAKCAA200135770  
FRS ID: 110000908466  
Action Name: MSO for NOV# 101515  
Facility Name: USAF - FTC EDWARDS  
Facility Address: ALL FACILITIES (BEGIN)  
EDWARDS, CA 93523

Enforcement Action Type: Administrative Order  
Facility County: KERN  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Formal  
EA Type Code: SCAAO  
Facility SIC Code: 9661  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 34.94943  
Longitude in Decimal Degrees: -117.8857  
Permit Type Desc: Not reported  
Program System Acronym: CAKCA0000602900531  
Facility NAICS Code: 927110  
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA200135768  
FRS ID: 110000908466  
Action Name: NOV# 101515  
Facility Name: USAF - FTC EDWARDS  
Facility Address: ALL FACILITIES (BEGIN)  
EDWARDS, CA 93523

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Enforcement Action Type: Notice of Violation  
Facility County: KERN  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Informal  
EA Type Code: NOV  
Facility SIC Code: 9661  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 34.94943  
Longitude in Decimal Degrees: -117.8857  
Permit Type Desc: Not reported  
Program System Acronym: CAKCA0000602900531  
Facility NAICS Code: 927110  
Tribal Land Code: Not reported

Enforcement Action ID: CAKCAA0000060290053100035  
FRS ID: 110000908466  
Action Name: USAF - FTC EDWARDS 060290053100035  
Facility Name: USAF - FTC EDWARDS  
Facility Address: ALL FACILITIES (BEGIN)  
EDWARDS, CA 93523

Enforcement Action Type: Notice of Violation  
Facility County: KERN  
Program System Acronym: AIR  
Enforcement Action Forum Desc: Administrative - Informal  
EA Type Code: NOV  
Facility SIC Code: 9661  
Federal Facility ID: Not reported  
Latitude in Decimal Degrees: 34.94943  
Longitude in Decimal Degrees: -117.8857  
Permit Type Desc: Not reported  
Program System Acronym: CAKCA0000602900531  
Facility NAICS Code: 927110  
Tribal Land Code: Not reported

US AIRS (AFS):  
Envid: 1000155217  
Region Code: 09  
County Code: CA029  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
D and B Number: Not reported  
Facility Site Name: USAF - FTC EDWARDS  
Primary SIC Code: 9661  
NAICS Code: 927110  
Default Air Classification Code: MAJ  
Facility Type of Ownership Code: FDF  
Air CMS Category Code: TVM  
HPV Status: Not reported

US AIRS (AFS):  
Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 2008-08-21 00:00:00  
Activity Status Date: 2008-09-23 17:19:32  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 18:59:04  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:00:43  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:02:28  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2004-06-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2004-08-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2005-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2005-12-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2006-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2006-10-12 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2007-04-25 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2007-10-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2008-04-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2008-11-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: MACT Standards (40 CFR Part 63)  
Activity Date: 2009-05-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type: Inspection/Evaluation  
Activity Status: Not reported  
  
Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 18:59:04  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:00:43  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:02:28  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1987-06-08 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 1988-06-16 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1988-06-22 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1989-07-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1990-09-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1993-07-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1993-08-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1994-08-09 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1995-06-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1996-05-16 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1996-10-15 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1997-10-17 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1998-05-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1999-03-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1999-03-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1999-03-09 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type: Inspection/Evaluation  
Activity Status: Not reported  
  
Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 1999-04-15 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2000-08-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2000-10-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2000-10-19 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 2000-10-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2002-02-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2004-06-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2004-08-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2005-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2005-12-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2006-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2006-10-12 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2007-04-25 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2007-10-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2008-04-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2008-08-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2008-11-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)  
Activity Date: 2009-05-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2015-10-02 00:00:00  
Activity Status Date: 2016-04-14 19:06:28  
Activity Group: Case File

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type: Case File  
Activity Status: Resolved  
  
Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 18:59:04  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:00:43  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:02:28  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1988-05-25 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards

Map ID  
Direction  
Distance  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 1990-09-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1991-11-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1993-08-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1994-08-09 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1995-06-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466



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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1996-05-16 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1996-10-15 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1997-10-17 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1998-05-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1999-03-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1999-03-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1999-03-09 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 1999-04-15 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2000-08-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2000-10-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type: Inspection/Evaluation  
Activity Status: Not reported  
  
Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2000-10-19 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2000-10-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2002-02-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2004-06-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 2004-08-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2005-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2005-12-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2006-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2006-10-12 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2007-04-25 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2007-10-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2008-04-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2008-11-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2009-05-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Performance Standards  
Activity Date: 2016-06-02 00:00:00  
Activity Status Date: 2016-06-02 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Formal  
Activity Status: Resolved

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 18:59:04  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:00:43  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:02:28  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2004-06-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
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Distance  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type: Inspection/Evaluation  
Activity Status: Not reported  
  
Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2004-08-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2005-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2005-12-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2006-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements

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EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 2006-10-12 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2007-04-25 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2007-10-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2008-04-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2008-11-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466



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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: 2009-05-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: New Source Review Permit Requirements  
Activity Date: Not reported  
Activity Status Date: 2015-10-15 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Informal  
Activity Status: Achieved

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: Not reported  
Activity Status Date: 1995-12-14 00:00:00  
Activity Group: Case File  
Activity Type: Case File  
Activity Status: Resolved

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-06-06 00:00:00  
Activity Status Date: 2015-06-09 13:46:14  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 18:59:04  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:00:43  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:02:28  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2015-06-23 00:00:00  
Activity Status Date: 2015-09-02 13:17:42  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1976-02-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1978-08-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1979-07-16 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1979-08-17 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1980-06-13 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1981-07-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 1982-01-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1982-07-01 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1983-06-13 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1984-08-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1985-08-14 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1986-05-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1987-06-08 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1988-06-16 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1989-07-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1989-09-09 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1990-09-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1991-11-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1993-08-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1994-08-09 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1995-06-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1996-05-16 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1996-10-15 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1997-10-17 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1998-05-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 1999-03-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1999-03-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1999-03-09 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1999-04-15 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2000-08-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466



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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2000-10-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2000-10-19 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2000-10-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2002-02-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2004-06-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2004-08-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2005-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2005-12-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2006-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2006-10-12 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-04-25 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2007-10-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-04-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2008-11-18 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 2009-05-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2009-12-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2010-05-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2010-05-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2010-05-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2010-10-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-03-22 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-06-22 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-06-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2011-09-15 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-03-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-06-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-07-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-09-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2012-10-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-03-08 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-06-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-06-26 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	2013-06-28 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 2013-10-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-02-12 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-02-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-05-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-05-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466



Map ID  
Direction  
Distance  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-06-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-06-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 2014-06-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards  
Activity Date: 1995-08-09 00:00:00  
Activity Status Date: 1995-08-09 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Informal  
Activity Status: Achieved

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-10-02 00:00:00  
Activity Status Date: 2016-04-14 19:06:28  
Activity Group: Case File  
Activity Type: Case File  
Activity Status: Resolved

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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-06-06 00:00:00  
Activity Status Date: 2015-06-09 13:46:14  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-02-19 00:00:00  
Activity Status Date: 2015-07-03 15:48:16  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-02-19 00:00:00  
Activity Status Date: 2016-07-25 18:30:49  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 18:59:04  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:00:43  
Activity Group: Compliance Monitoring

Map ID  
Direction  
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Database(s)

EDR ID Number  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-05-21 00:00:00  
Activity Status Date: 2016-05-12 19:02:28  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2015-06-23 00:00:00  
Activity Status Date: 2015-09-02 13:17:42  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Active

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 1997-10-17 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 1998-05-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits

Map ID  
Direction  
Distance  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 1999-03-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 1999-03-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 1999-03-09 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 1999-04-15 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2000-08-03 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466

Map ID  
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MAP FINDINGS

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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2000-10-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2000-10-19 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2000-10-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2000-12-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2001-11-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

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Database(s)

EDR ID Number  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2002-02-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2002-05-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2002-06-09 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2002-07-17 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2002-09-16 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
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Elevation

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Database(s)

EDR ID Number  
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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2003-01-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2003-02-19 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2003-02-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2003-03-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits

Map ID  
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Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 2003-04-08 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2003-04-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2003-05-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2003-06-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2003-06-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466



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**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2003-07-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2003-12-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2004-05-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2004-05-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2004-06-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2004-08-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2005-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2005-05-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2005-12-02 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2006-04-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2006-10-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-04-25 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2007-10-30 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits
Activity Date:	2008-04-23 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	09
Programmatic ID:	AIR CAKCA0000602900531
Facility Registry ID:	110000908466
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Title V Permits

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 2008-11-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-05-31 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2009-12-10 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2010-05-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2010-05-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2010-05-27 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2010-10-05 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2011-03-22 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2011-06-22 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2011-06-23 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2011-09-15 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-03-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-06-18 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-07-30 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-09-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2012-10-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2013-03-08 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2013-06-24 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2013-06-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Activity Date: 2013-06-28 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2013-10-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-02-12 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-02-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-05-21 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-05-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-06-06 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-06-26 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2014-06-29 00:00:00  
Activity Status Date: Not reported  
Activity Group: Compliance Monitoring  
Activity Type: Inspection/Evaluation  
Activity Status: Not reported

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: 2016-06-02 00:00:00  
Activity Status Date: 2016-06-02 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Formal  
Activity Status: Resolved

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Region Code: 09  
Programmatic ID: AIR CAKCA0000602900531  
Facility Registry ID: 110000908466  
Air Operating Status Code: OPR  
Default Air Classification Code: MAJ  
Air Program: Title V Permits  
Activity Date: Not reported  
Activity Status Date: 2015-10-15 00:00:00  
Activity Group: Enforcement Action  
Activity Type: Administrative - Informal  
Activity Status: Achieved

**DOCKET HWC:**

Agency: AIR FORCE  
Facility ID: CA1570024504  
Reporting Mechanism: RCRA 3005  
Status: On MDL

**ICE:**

Envirostor ID: 3000601  
Name: EDWARDS AIR FORCE BASE  
Address: 5 E POPSON AVE  
City,State,Zip: EDWARDS, CA 93524  
EPA ID: CA1570024504  
Site Type: INSPECTION  
Facility Status: Out of Compliance

**Inspection:**

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 12/03/2019  
Violation Class: Minor  
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 11/26/2018  
Violation Class: Minor  
RTC Date: 12/04/2018

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 11/18/2014  
Violation Class: Class 2  
RTC Date: 11/20/2014

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 12/20/2016  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 11/14/2017  
Violation Class: Class 2, Minor  
RTC Date: 12/15/2017

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 06/14/2016  
Violation Class: No Violations

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	12/10/2013
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	04/16/2013
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	04/02/2012
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	02/07/2007
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	09/30/2009
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	09/14/2004
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	02/16/1999
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	06/27/2000
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	04/12/2011
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	11/19/2008
Violation Class:	No Violations
RTC Date:	Not reported
Action Type:	Compliance Evaluation Inspection - Treatment, Storage and Disposal
Action Date:	03/04/2008
Violation Class:	No Violations
RTC Date:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**EDWARDS AIR FORCE BASE (Continued)**

**1000155217**

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 11/19/2003  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 11/06/2001  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 12/12/2005  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 06/13/2001  
Violation Class: No Violations  
RTC Date: Not reported

Action Type: Compliance Evaluation Inspection - Treatment, Storage and Disposal  
Action Date: 11/20/2002  
Violation Class: No Violations  
RTC Date: Not reported

**PFAS:**

Name: EDWARDS AIR FORCE BASE - IR/MMRP  
Address: 470 SQ MI; 60 MI NE OF LOS ANGELES  
City,State,Zip: EDWARDS, CA 93523  
Envirostor ID: 15970001  
Program Type: FEDERAL SUPERFUND - LISTED  
Status: ACTIVE - LAND USE RESTRICTIONS  
Status Date: 05/01/1986  
Enviroscreen Score: 46-50%  
Site Code: 100052  
Global ID: Not reported  
Facility Region: Not reported  
Lead Agency: Not reported  
Case worker: Not reported  
Local Agency: Not reported  
Location Case Number: Not reported  
File Location: Not reported  
Potential Contaminants of Concern: Not reported  
Potential Media Affected: Not reported  
Site History: Not reported

Begin Date: Not reported  
RB Case Number: Not reported  
source\_type: Envirostor  
Latitude: 34.906044444  
Longitude: -117.88250833  
Geo Tracker URL: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**1**            **FEDERAL PRISON CAMP**  
**NNE**        **HWY 395**  
**1/4-1/2**     **BORON, CA 93516**  
**0.287 mi.**  
**1514 ft.**

**LUST**    **1000214127**  
**HIST UST**    **N/A**  
**Cortese**  
**HIST CORTESE**

**Actual:**  
**2478 ft.**

**Focus Map:**  
**7**

LUST Region 6V:  
Name: FEDERAL PRISON CAMP  
Address: HWY 395  
City: BORON  
Region: 6V  
Case Number: 6B1500139T  
Leak Record: 1/11/1990  
Report Date: 10/27/1989  
Reported By Address: Not reported  
Responsible Party: FEDERAL PRISON CAMP  
Operator: FED GOVT  
Cross Street: 6 MI NORTH OF HWY 58  
Local Agency: 15000L  
Regional Board: 6V  
Chemical: Regular Gasoline  
Case Type: Soil only  
Funding: Not reported  
Enforce Type: SEL  
How Found: Tank Closure  
How Stopped: Not reported  
Cause of Leak: UNK  
Leak Source: UNK  
Global ID: T0602900834  
Stop Date: 9/29/1989  
Leak Confirm: 1/11/1990  
Submit Workplan: Not reported  
Prelim Assess: Not reported  
Pollution Char: Not reported  
Remed Plan: Not reported  
Remed Action: Not reported  
Monitoring: Not reported  
Close Date: Not reported  
Discovered: 9/29/1989  
Enforce Date: Not reported  
Review Date: 1/11/1990  
GW Qualifier: Not reported  
Soil Qualifier: Not reported  
MTBE class: \*  
Max MTBE Grnd Wtr: Not reported  
Max MTBE Soil: Not reported  
MTBE Counts: 0  
MTBE Fuel: 1  
MTBE Tested: NT  
Organization Name: Not reported  
Status: Leak being confirmed  
Contact: Not reported  
Interim Action: Not reported  
Pilot Program: LOP  
Lat/Long: 35 / -117.6589265  
Staff Initials: GDC  
Local Agency Staff: SBC  
Lead Agency: Local Agency  
Summary: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDERAL PRISON CAMP (Continued)**

**1000214127**

Basin Number: ANTELOPE VALLEY (6-4)  
Beneficial: Not reported  
Priority: Not reported  
UST Cleanup Fund ID: Not reported  
Suspended: Not reported  
Local Case Number: Not reported  
Amount: Not reported  
Abate Method: Not reported  
Water System: Not reported  
Well Name: Not reported  
Distance: 12685.89837  
Wst Disch Reqrmt Global ID: Not reported  
Wst Disch Reqrmt Name: Not reported

**HIST UST:**

Name: FEDERAL PRISON CAMP  
Address: PO BOX 500  
City,State,Zip: BORON, CA 93516  
File Number: 00029A84  
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00029A84.pdf>  
Region: STATE  
Facility ID: 0000068870  
Facility Type: Other  
Other Type: FEDERAL PRISON CAMP  
Contact Name: STEVE BRECKENRIDGE  
Telephone: 6197625161  
Owner Name: BUREAU OF PRISONS, FEDERAL PRI  
Owner Address: P.O. BOX 500  
Owner City,St,Zip: BORON, CA 93516-500  
Total Tanks: 0002

Tank Num: 001  
Container Num: 1  
Year Installed: Not reported  
Tank Capacity: 00003000  
Tank Used for: WASTE  
Type of Fuel: 1  
Container Construction Thickness: X  
Leak Detection: Stock Inventor

Tank Num: 002  
Container Num: 101  
Year Installed: 1951  
Tank Capacity: 00010000  
Tank Used for: PRODUCT  
Type of Fuel: Not reported  
Container Construction Thickness: Not reported  
Leak Detection: Visual, Stock Inventor

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

**CORTESE:**

Name: FEDERAL PRISON CAMP  
Address: HWY 395  
City,State,Zip: BORON, CA 93516  
Region: CORTESE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDERAL PRISON CAMP (Continued)**

1000214127

Envirostor Id: Not reported  
Global ID: T0602900834  
Site/Facility Type: LUST CLEANUP SITE  
Cleanup Status: COMPLETED - CASE CLOSED  
Status Date: Not reported  
Site Code: Not reported  
Latitude: Not reported  
Longitude: Not reported  
Owner: Not reported  
Enf Type: Not reported  
Swat R: Not reported  
Flag: active  
Order No: Not reported  
Waste Discharge System No: Not reported  
Effective Date: Not reported  
Region 2: Not reported  
WID Id: Not reported  
Solid Waste Id No: Not reported  
Waste Management Uit Name: Not reported  
File Name: Active Open

**HIST CORTESE:**

edr\_fname: FEDERAL PRISON CAMP  
edr\_fadd1: HWY 395  
City,State,Zip: BORON, CA 93516  
Region: CORTESE  
Facility County Code: 15  
Reg By: LTNKA  
Reg Id: 6B1500139T

**2**  
**NNE**  
**1/4-1/2**  
**0.298 mi.**  
**1572 ft.**

**FOUR CORNERS UNOCAL**  
**HWY 395 & HWY 58**  
**KRAMER JCT, CA 93516**

**HIST CORTESE** **S105024313**  
**N/A**

**Actual:**  
**2477 ft.**  
**Focus Map:**  
**7**

**HIST CORTESE:**  
edr\_fname: FOUR CORNERS UNOCAL  
edr\_fadd1: HWY 395 & HWY 58  
City,State,Zip: KRAMER JCT, CA 93516  
Region: CORTESE  
Facility County Code: 36  
Reg By: LTNKA  
Reg Id: 6B3600205T

**3**  
**NNE**  
**1/4-1/2**  
**0.356 mi.**  
**1878 ft.**

**CALTRANS BEECHERS MAINTENANCE STATION**  
**40400 JCT US 395**  
**BORON, CA**

**SWF/LF** **S111290842**  
**CERS** **N/A**

**Actual:**  
**2475 ft.**  
**Focus Map:**  
**7**

**SWF/LF (SWIS):**  
Name: CALTRANS BEECHERS MAINTENANCE STATION  
Address: 40400 JCT US 395  
City,State,Zip: BORON, CA  
Facility ID: 36-AA-0468

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CALTRANS BEECHERS MAINTENANCE STATION (Continued)**

**S111290842**

Lat/Long: 34.9926 / -117.54209  
Owner Name: Caltrans North District 8  
Owner Telephone: 9093834268  
Owner Address: Not reported  
Owner Address2: 175 W. Cluster St.  
Owner City,St,Zip: San Bernardino, CA 92408  
Operational Status: Active  
Operator: Beechers Maintenance Crew 08-614  
Operator Phone: 7607625258  
Operator Address: Not reported  
Operator Address2: 40400 Jct US 395  
Operator City,St,Zip: Boron, CA 93516  
Permit Date: 09/01/2011  
Permit Status: Notification  
Permitted Acreage: \$7.20  
Activity: Limited Volume Transfer Operation  
Regulation Status: Notification  
Landuse Name: Not reported  
GIS Source: Map  
Category: Transfer/Processing  
Unit Number: 01  
Inspection Frequency: Quarterly  
Accepted Waste: Mixed municipal,Tires  
Closure Date: Not reported  
Closure Type: Not reported  
Disposal Acreage: Not reported  
SWIS Num: 36-AA-0468  
Waste Discharge Requirement Num: Not reported  
Program Type: Not reported  
Permitted Throughput with Units: 60  
Actual Throughput with Units: Cu Yards/day  
Permitted Capacity with Units: 15600  
Remaining Capacity: Not reported  
Remaining Capacity with Units: Cu Yards/year  
Lat/Long: 34.9926 / -117.54209

**CERS:**

Name: CALTRANS BEECHERS MAINTENANCE STATION  
Address: 40400 JCT US 395  
City,State,Zip: BORON, CA  
Site ID: 507394  
CERS ID: 36-AA-0468  
CERS Description: Solid Waste and Recycle Sites

**Affiliation:**

Affiliation Type Desc: Legal Operator  
Entity Name: Beechers Maintenance Crew 08-614  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Boron  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 93516  
Affiliation Phone: 7607625258

Affiliation Type Desc: Legal Owner  
Entity Name: Caltrans North District 8



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CALTRANS BEECHERS MAINTENANCE STATION (Continued)**

**S111290842**

Entity Title: Not reported  
 Affiliation Address: Not reported  
 Affiliation City: San Bernardino  
 Affiliation State: CA  
 Affiliation Country: Not reported  
 Affiliation Zip: 92408  
 Affiliation Phone: 9093834268

**4**  
**North**  
**1/4-1/2**  
**0.456 mi.**  
**2408 ft.**  
  
**Actual:**  
**2506 ft.**  
**Focus Map:**  
**3**

**BORON CLASS III LANDFILL**  
**5 MI SO OF BORON**  
**BORON, CA 93516**

**WMUDS/SWAT**  
**LDS**  
**ENF**  
**WDS**  
**CIWQS**  
**CERS**

**S101612513**  
**N/A**

WMUDS/SWAT:  
 Edit Date: Not reported  
 Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.  
  
 Primary Waste: SLDWST  
 Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).  
  
 Secondary Waste: Not reported  
 Secondary Waste Type: Not reported  
 Base Meridian: SB  
 NPID: Not reported  
 Tonnage: 32  
 Regional Board ID: Not reported  
 Municipal Solid Waste: True  
 Superorder: True  
 Open To Public: False  
 Waste List: True  
 Agency Type: County  
 Agency Name: KERN CO DPW  
 Agency Department: Not reported  
 Agency Address: 2700 M ST STE 500  
 Agency City,St,Zip: BAKERSFIELD CA 93301  
 Agency Contact: DAWN HANSEN  
 Agency Telephone: 8058625105  
 Land Owner Name: KERN COUNTY  
 Land Owner Address: 2601 "O" ST.  
 Land Owner City,St,Zip: BAKERSFIELD, CA 93301  
 Land Owner Contact: Not reported  
 Land Owner Phone: 8058612621  
 Region: 6V  
 Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.  
 Facility Description: Not reported  
 Facility Telephone: Not reported  
 SWAT Facility Name: BORON SANITARY LANDFILL  
 Primary SIC: 4953  
 Secondary SIC: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Comments: Not reported  
Last Facility Editors: Not reported  
Waste Discharge System: True  
Solid Waste Assessment Test Program: True  
Toxic Pits Cleanup Act Program: False  
Resource Conservation Recovery Act: False  
Department of Defence: False  
Solid Waste Assessment Test Program: KERN COUNTY PUBLIC WORKS DEPT.  
Threat to Water Quality: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.  
Sub Chapter 15: True  
Regional Board Project Officer: Not reported  
Number of WMUDS at Facility: 1  
Section Range: 10N07W05  
RCRA Facility: No  
Waste Discharge Requirements: A  
Self-Monitoring Rept. Frequency: Semiannual Submittal  
Waste Discharge System ID: 6B150303003  
Solid Waste Information ID: 15-AA-0045

**LDS:**

Name: BORON CLASS III LANDFILL  
Address: 5 MI SO OF BORON  
City,State,Zip: BORON, CA 93516  
Global Id: L10004638786  
Latitude: 34.99048  
Longitude: -117.6483  
Case Type: Land Disposal Site  
Status: Open - Operating  
Status Date: 05/11/1984  
Lead Agency: LAHONTAN RWQCB (REGION 6V)  
Caseworker: AL  
Local Agency: Not reported  
RB Case Number: 6B150303003  
LOC Case Number: Not reported  
File Location: Regional Board  
Potential Media Affect: Not reported  
EDR Link ID: L10004638786  
Potential Contaminants of Concern: Not reported  
Site History: Not reported

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

**ENF:**

Name: BORON CLASS III LANDFILL  
Address: 5 MI SO OF BORON  
City,State,Zip: BORON, CA 93516  
Region: Not reported  
Facility Id: 210078  
Agency Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	Not reported
# Of Agencies:	Not reported
Place Latitude:	34.99028
Place Longitude:	-117.6475
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Enf Action
Design Flow:	Not reported
Threat To Water Quality:	Not reported
Complexity:	Not reported
Pretreatment:	Not reported
Facility Waste Type:	Not reported
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	Not reported
Program Category1:	Not reported
Program Category2:	LNDISP
# Of Programs:	Not reported
WDID:	Not reported
Reg Measure Id:	Not reported
Reg Measure Type:	Not reported
Region:	Not reported
Order #:	Not reported
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	Not reported
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Not reported
Status Date:	Not reported
Effective Date:	Not reported
Expiration/Review Date:	Not reported
Termination Date:	Not reported
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Individual/General:	Not reported
Fee Code:	Not reported
Direction/Voice:	Not reported
Enforcement Id(EID):	403552
Region:	Not reported
Order / Resolution Number:	Not reported
Enforcement Action Type:	Oral Communication
Effective Date:	11/03/2015
Adoption/Issuance Date:	11/03/2015
Achieve Date:	Not reported
Termination Date:	11/04/2015
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Oral Com 11/03/2015 for Kern Cnty Waste Management Dept
Description:	Discharger was contacted 11/4/2015 and requested to include time series plots and tabulated water quality and soil gas monitoring data in all future monitoring reports. See attached email.
Program:	LFOPER
Latest Milestone Completion Date:	Not reported
# Of Programs1:	1
Total Assessment Amount:	0
Initial Assessed Amount:	0
Liability \$ Amount:	0
Project \$ Amount:	0
Liability \$ Paid:	0
Project \$ Completed:	0
Total \$ Paid/Completed Amount:	0
Name:	BORON CLASS III LANDFILL
Address:	5 MI SO OF BORON
City,State,Zip:	BORON, CA 93516
Region:	Not reported
Facility Id:	210078
Agency Name:	Kern County Public Works Department
Place Type:	Waste Management Unit
Place Subtype:	Land fill
Facility Type:	Solid Waste Class III - nonhazardous solid wastes
Agency Type:	County Agency
# Of Agencies:	1
Place Latitude:	34.99028
Place Longitude:	-117.6475
SIC Code 1:	4953
SIC Desc 1:	Refuse Systems
SIC Code 2:	Not reported
SIC Desc 2:	Not reported
SIC Code 3:	Not reported
SIC Desc 3:	Not reported
NAICS Code 1:	Not reported
NAICS Desc 1:	Not reported
NAICS Code 2:	Not reported
NAICS Desc 2:	Not reported
NAICS Code 3:	Not reported
NAICS Desc 3:	Not reported
# Of Places:	1
Source Of Facility:	Reg Meas

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Design Flow:	0
Threat To Water Quality:	3
Complexity:	B
Pretreatment:	X - Facility is not a POTW
Facility Waste Type:	Solid wastes, NEC
Facility Waste Type 2:	Not reported
Facility Waste Type 3:	Not reported
Facility Waste Type 4:	Not reported
Program:	LFOPER
Program Category1:	LNDISP
Program Category2:	LNDISP
# Of Programs:	1
WDID:	6B150303003
Reg Measure Id:	132048
Reg Measure Type:	WDR
Region:	Not reported
Order #:	R6V-2002-052
Npdes# CA#:	Not reported
Major-Minor:	Not reported
Npdes Type:	Not reported
Reclamation:	N - No
Dredge Fill Fee:	Not reported
301H:	Not reported
Application Fee Amt Received:	Not reported
Status:	Historical
Status Date:	05/05/2016
Effective Date:	09/11/2002
Expiration/Review Date:	Not reported
Termination Date:	02/10/2016
WDR Review - Amend:	Not reported
WDR Review - Revise/Renew:	Not reported
WDR Review - Rescind:	Not reported
WDR Review - No Action Required:	Not reported
WDR Review - Pending:	Not reported
WDR Review - Planned:	Not reported
Status Enrollee:	N
Individual/General:	I
Fee Code:	50 - Land Disposal Site paying tipping fee
Direction/Voice:	Passive
Enforcement Id(EID):	256931
Region:	Not reported
Order / Resolution Number:	UNKNOWN
Enforcement Action Type:	13267 Letter
Effective Date:	09/06/2002
Adoption/Issuance Date:	Not reported
Achieve Date:	Not reported
Termination Date:	01/06/2003
ACL Issuance Date:	Not reported
EPL Issuance Date:	Not reported
Status:	Historical
Title:	Enforcement - 6B150303003
Description:	Directed discharger to sample and analyze ground water from monitoring wells for radioactive constituents. Discharger to submit report of findings to Regional Board by 1-3-03 pursuant to 9-6-02, 13267 letter. No further action is required. *Status changed to Historical 09/10/2014 (j mz); per information contained in Project file, compliance was

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Program: achieved 01/06/2003  
Latest Milestone Completion Date: LFOPER  
# Of Programs1: 1  
Total Assessment Amount: 0  
Initial Assessed Amount: 0  
Liability \$ Amount: 0  
Project \$ Amount: 0  
Liability \$ Paid: 0  
Project \$ Completed: 0  
Total \$ Paid/Completed Amount: 0

**WDS:**

Name: BORON CLASS III LANDFILL  
Address: 5 MI SO OF BORON  
City: BORON  
Facility ID: South Lahontan 150303003  
Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.  
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.  
NPDES Number: Not reported  
Subregion: 0  
Facility Telephone: 6618628900  
Facility Contact: DAVE PALMER  
Agency Name: KERN CO DPW  
Agency Address: 2700 M ST STE 500  
Agency City,St,Zip: BAKERSFIELD 93301  
Agency Contact: ERIC GREENWOOD  
Agency Telephone: 6618628918  
Agency Type: County  
SIC Code: 4953  
SIC Code 2: Not reported  
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).  
Primary Waste: SLDWST  
Waste Type2: Not reported  
Waste2: Solid Wastes  
Primary Waste Type: Nonhazardous Solid Wastes/Influent or Solid Wastes that contain nonhazardous putrescible and non putrescible solid, semisolid, and liquid wastes (E.G., garbage, trash, refuse, paper, demolition and construction wastes, manure, vegetable or animal solid and semisolid waste).  
Secondary Waste: Not reported  
Secondary Waste Type: Not reported  
Design Flow: 0  
Baseline Flow: 0  
Reclamation: No reclamation requirements associated with this facility.  
POTW: The facility is not a POTW.  
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.

Name: BORON CLASS III LANDFILL  
Address: 5 MI SO OF BORON  
City: BORON  
Facility ID: South Lahontan 15I013466  
Facility Type: Solid Waste Site-Class III - Landfills for non hazardous solid wastes.  
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.

NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board

Subregion: 0  
Facility Telephone: 6618628900  
Facility Contact: DAVE PALMER  
Agency Name: KERN CO DPW  
Agency Address: 2700 M ST STE 500  
Agency City,St,Zip: BAKERSFIELD 93301  
Agency Contact: ERIC GREENWOOD  
Agency Telephone: 6618628918  
Agency Type: County  
SIC Code: 4953  
SIC Code 2: Not reported  
Primary Waste Type: Not reported  
Primary Waste: Not reported  
Waste Type2: Not reported  
Waste2: Not reported  
Primary Waste Type: Not reported  
Secondary Waste: Not reported  
Secondary Waste Type: Not reported  
Design Flow: 0  
Baseline Flow: 0  
Reclamation: Not reported  
POTW: Not reported  
Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.

Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

CIWQS:  
Name: BORON CLASS III LANDFILL  
Address: 5 MI SO OF BORON  
City,State,Zip: BORON, CA 93516  
Agency: Kern County Public Works Department  
Agency Address: 2700 M Street 500, Bakersfield, CA 93301-2372  
Place/Project Type: Land fill

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

SIC/NAICS: 4953  
Region: 6V  
Program: LFOPER, LNDISP  
Regulatory Measure Status: Active  
Regulatory Measure Type: WDR  
Order Number: R6V-2016-0004  
WDID: 6B150303003  
NPDES Number: Not reported  
Adoption Date: 02/11/2016  
Effective Date: 02/11/2016  
Termination Date: Not reported  
Expiration/Review Date: 02/11/2031  
Design Flow: 0  
Major/Minor: Not reported  
Complexity: B  
TTWQ: 3  
Enforcement Actions within 5 years: 1  
Violations within 5 years: 12  
Latitude: 34.99028  
Longitude: -117.6475

Name: BORON CLASS III LANDFILL  
Address: 5 MI SO OF BORON  
City,State,Zip: BORON, CA 93516  
Agency: Kern County Public Works Department  
Agency Address: 2700 M St Ste 500, Bakersfield, CA 93301  
Place/Project Type: Industrial - Refuse Systems  
SIC/NAICS: 4953  
Region: 6V  
Program: INDSTW  
Regulatory Measure Status: Terminated  
Regulatory Measure Type: Storm water industrial  
Order Number: 2014-0057-DWQ  
WDID: 6B151013466  
NPDES Number: CAS000001  
Adoption Date: Not reported  
Effective Date: 10/15/1997  
Termination Date: 05/22/2013  
Expiration/Review Date: Not reported  
Design Flow: Not reported  
Major/Minor: Not reported  
Complexity: Not reported  
TTWQ: Not reported  
Enforcement Actions within 5 years: 0  
Violations within 5 years: 0  
Latitude: 34.99942  
Longitude: -117.64978

CERS:  
Name: BORON CLASS III LANDFILL  
Address: 5 MI SO OF BORON  
City,State,Zip: BORON, CA 93516  
Site ID: 99657  
CERS ID: L10004638786  
CERS Description: Land Disposal Site

Violations:



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-11-2014  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to sample from lysimeter B01-02. Violated Board Order 6-02-0052 (MRP II.B.2)  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-10-1999  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: REPORT WAS LATE DUE 90 DAYS AFTER THE END OF THE LAST QUARTER OF THE YEAR  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 01-31-2007  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 01/30/2007  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-10-1999  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: REPORT WAS SUBMITTED LATE, DUE BY THE 45TH DAY FOLLOWING THE END OF THE QUARTER  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 04-25-2002  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Threatened discharge of radioactive constituents from landfilled waste.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 07-31-2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 07/30/2006  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-11-2014  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Sulfate concentration exceeded WQPS in ground water well B01-08.  
Violated Board Order 6-02-0052 (MRP II.C.1.c)  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 11-05-2009  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Chloride Well BO1-07 WQPS: 176.6mg/L, Reading: 190mg/L. Chloride Well BO1-10 WQPS: 183.4mg/L, Reading: 190mg/L. Sulfate Well BO1-06 WQPS: 226mg/L, Reading: 230mg/L. Sulfate Well BO1-07 WQPS: 231.7mg/L, Reading: 240mg/L. TDS Well BO1-07 WQPS: 980mg/L, Reading: 1100mg/L. TDS Well BO1-08 WQPS: 891mg/L, Reading: 1000mg/L. TDS Well BO1-10 WQPS  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-11-2014  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Chloroform detected above PQL in sample pulled from unsaturated zone lysimeter B01-05. Violated Board Order 6-02-0052 (MRP II.C.2.c)  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 07-06-2010  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded Chloride (176.7 mg/L) in BO1-07 and Dichlorodifluoromethane (0.5 ug/L) in BO1-06 WQPS limits, violates Board Order R6V-2002-052 MRP I. A. 1. b.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Violation Date: 08-19-2015  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to provide results for parameters related to the Corrective Action Monitoring Program. Violates Board Order R6V-2002-052, WDR section IV.C. 1 and MRP section IV.A.1.a.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 05-19-2006  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 04/30/2006  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 08-24-1994  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: DID NOT SUBMIT PHOTOS OF LANDFILL, VIOLATIO OF DISPOSAL AREA USED % OF TOTAL VOLUME USED FOR WASTE DISPOSAL IN 2ND QUARTER 1994 SMR  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-26-2019  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Vacuum was not applied on the system pressure line for each lysimeter to 70-80 centibars for at least 24 hours.. Violates Board Order R6V-2016-0004, MRP section II.A.2.c.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 12-28-2009  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: (1) Exceeded Chloride WQPS (176.7 mg/L) in BO1-07. (2) Exceeded TDS WQPS (891 mg/L) in BO1-08. (3) Exceeded dichlorodifluoromethane WQPS (0.5 ug/L) in BO1-06. Violates board order R6V-2002-052 (1) WDR I. A. 4., (2) WDR I. A. 2, (3) WDR II. A. 9.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Site Name: Boron Class III Landfill  
Violation Date: 09-14-2012  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: bis-(2-Ethylhexyl)phthalate (WQPS 4 ug/L) was found in a concentration that exceeds the WQPS limits. Violates Board Order WDR I.A.2.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 08-20-2019  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: (1) Exceeded MDL of Trichlorofluoromethane during the 1st half semi-annual monitoring period. Violates Board Order R6V-2016-0004 MRP I.C.2 (2) Exceeded WQPS of Chloride, Sulfate, and TDS during the 1st half semi-annual monitoring period. Violates Board Order R6V-2016-0004 WDR III.D.2  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 10-31-2006  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 10/30/2006  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-10-1999  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: REPORT WAS LATE, DUE 45 DAYS FOLLOWING END OF QUARTER  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 03-04-2014  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded WQPS concentration limits establish in 2001 for TDS. Violated Board Order 2002-052 (MRP II.C.1.c)  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Violation Date: 03-26-2009  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Well BO1-07 slightly exceeded the WQPS limit (176.7 mg/L) with a measurement of 180 mg/L.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 08-20-2019  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Vacuum was not applied on the system pressure line for each lysimeter to 70-80 centibars for at least 24 hours. Violates Board Order R6V-2016-0004 MRP II.A.2.c.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-02-2011  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded WQPS for chloride, TDS, dichlorodifluoromethane and tetrachloroethene, violates board order 6-02-0052 WDR I. A. 2.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 04-09-2019  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: (1) Exceeded MDL for Trichlorofluoromethane during Semi-annual 2H 2018 monitoring period. Violates R6V-2016-0004, MRP I.C.2 (2) Exceeded WQPS for Chloride, Sulfate, and Total Dissolved Solids during Semi-annual 2H 2018 monitoring period. Violates R6V-2016-0004, WDR III.D.2  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-26-2019  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded the Water Quality Protection Standard for chloride (220 mg/L), sulfate (230 mg/L) in one well (B01-06), and total dissolved solids (955, 891, and 910 mg/L) in three wells (B01-06, B01-08, B01-10) during the second semi-annual 2018 monitoring period. Violates Board Order R6V-2016-0004, WDR section III.D.2.  
Violation Division: Water Boards  
Violation Program: LFOPER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 11-01-2018  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded the Water Quality Protection Standard for chloride (220 mg/L), sulfate (230 mg/L), and total dissolved solids (955 mg/L) in one well (B01-06) during the first semi-annual 2018 monitoring period. Violates Board Order R6V-2016-0004, WDR section III.D.2.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 05-19-2006  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 07/30/2005  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-10-1999  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: REPORT WAS LATE, DUE BY THE 45TH DAY AFTER THE END OF THE QUARTER  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 03-08-2013  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Chloride WQPS: 176.7mg/L; MCL: 250mg/L. BO1-07: 180mg/L.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 04-14-2011  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded WQPS for dichlorodifluoromethane (0.099 ug/L), tetrachloroethene (0.13 ug/L) and trichlorofluoromethane (0.13 ug/L), violates board order 6-02-0052 WDR I. A. 2.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-17-2009  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded primary groundwater MCLs for chloride and sulfate in multiple wells. Board Order No. R6V-2002-052 Req. I. A. 2.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-20-2005  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: SUBMITTED LATE, WDR 45 DAYS PAST END OF QUARTER  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-14-1999  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: FIRST QUARTER 99 MONITORING REPORT WAS LATE, DUE 45 DAYS FOLLOWING END QUARTER.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 05-19-2006  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 02/14/2006  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-25-2008  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: 3/17/08 Well BO 1-07 slightly exceed the WQPS limit of 177 mg/L for chloride with a chloride concentration of 180 mg/L.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 08-23-2010  
Citation: California Water Code

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Violation Description: Not reported  
Violation Notes: Exceeded WQPS for chloride (176.7 mg/L for B01-07) and dichlorodifluoromethane (0.5 ug/L in B01-06), violates board order 6-02-0052 WDR I. A. 2.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 03-20-1996  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: PONDING OF RAINWATER IN SOME AREAS. EROSION OF COVER AND EXPOSURE OF WASTE ON NORTH FACE.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-03-2010  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-17-2017  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-22-2014  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-24-2018  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Other/Unknown



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Eval Date:	02-08-2001
Violations Found:	No
Eval Type:	Miscellaneous Inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-02-2000
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-21-2003
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Sampling Inspection
Eval Date:	11-13-2007
Violations Found:	No
Eval Type:	RWQCB Type A compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	01-29-2009
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	02-24-1995
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-31-1999
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-02-2013
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-04-1997
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-09-1998
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-21-1994
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Sampling Inspection
Eval Date:	11-06-2001
Violations Found:	No
Eval Type:	RWQCB Type A compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-20-1996
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Eval Source: CIWQS  
  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-24-2012  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-12-2015  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection  
Eval Date: 11-05-1996  
Violations Found: No  
Eval Type: RWQCB Type A compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Enforcement Action:  
Site ID: 99657  
Site Name: Boron Class III Landfill  
Site Address: 5 MI SO OF BORON  
Site City: BORON  
Site Zip: 93516  
Enf Action Date: 09-06-2002  
Enf Action Type: Enforcement Letter (Formal)  
Enf Action Description: Enforcement Letter Citing Violations and with Required Actions (Formal)  
Enf Action Notes: Not reported  
Enf Action Division: Water Boards  
Enf Action Program: LFOPER  
Enf Action Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Site Address: 5 MI SO OF BORON  
Site City: BORON  
Site Zip: 93516  
Enf Action Date: 11-03-2015  
Enf Action Type: Oral Communication  
Enf Action Description: Oral Communication  
Enf Action Notes: Not reported  
Enf Action Division: Water Boards  
Enf Action Program: LFOPER  
Enf Action Source: CIWQS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Affiliation:

Affiliation Type Desc: Regional Board Caseworker  
Entity Name: TIFFANY STEINERT - LAHONTAN RWQCB (REGION 6V)  
Entity Title: Not reported  
Affiliation Address: 15095 Amargosa Road, Building 2, Suite 210  
Affiliation City: Victorville  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7602417305

Affiliation Type Desc: Operator  
Entity Name: Kern County Public Works Department  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Name: BORON CLASS III LANDFILL  
Address: 5 MI SO OF BORON  
City,State,Zip: BORON, CA 93516  
Site ID: 99657  
CERS ID: 210078  
CERS Description: Land Disposal

Violations:

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-11-2014  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to sample from lysimeter B01-02. Violated Board Order 6-02-0052 (MRP II.B.2)  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-10-1999  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: REPORT WAS LATE DUE 90 DAYS AFTER THE END OF THE LAST QUARTER OF THE YEAR  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 01-31-2007  
Citation: California Water Code  
Violation Description: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Violation Notes: Failed to submit report by 01/30/2007  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-10-1999  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: REPORT WAS SUBMITTED LATE, DUE BY THE 45TH DAY FOLLOWING THE END OF THE QUARTER  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 04-25-2002  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Threatened discharge of radioactive constituents from landfilled waste.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 07-31-2006  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 07/30/2006  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-11-2014  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Sulfate concentration exceeded WQPS in ground water well B01-08. Violated Board Order 6-02-0052 (MRP II.C.1.c)  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 11-05-2009  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Chloride Well B01-07 WQPS: 176.6mg/L, Reading: 190mg/L. Chloride Well B01-10 WQPS: 183.4mg/L, Reading: 190mg/L. Sulfate Well B01-06 WQPS: 226mg/L, Reading: 230mg/L. Sulfate Well B01-07 WQPS: 231.7mg/L, Reading: 240mg/L. TDS Well B01-07 WQPS: 980mg/L, Reading: 1100mg/L.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

TDS Well BO1-08 WQPS: 891mg/L, Reading: 1000mg/L. TDS Well BO1-10 WQPS

Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-11-2014  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Chloroform detected above PQL in sample pulled from unsaturated zone lysimeter B01-05. Violated Board Order 6-02-0052 (MRP II.C.2.c)

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 07-06-2010  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded Chloride (176.7 mg/L) in BO1-07 and Dichlorodifluoromethane (0.5 ug/L) in BO1-06 WQPS limits, violates Board Order R6V-2002-052 MRP I. A. 1. b.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 08-19-2015  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to provide results for parameters related to the Corrective Action Monitoring Program. Violates Board Order R6V-2002-052, WDR section IV.C. 1 and MRP section IV.A.1.a.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 05-19-2006  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 04/30/2006

Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 08-24-1994  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: DID NOT SUBMIT PHOTOS OF LANDFILL, VIOLATIO OF DISPOSAL AREA USED % OF TOTAL VOLUME USED FOR WASTE DISPOSAL IN 2ND QUARTER 1994 SMR

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-26-2019  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Vacuum was not applied on the system pressure line for each lysimeter to 70-80 centibars for at least 24 hours.. Violates Board Order R6V-2016-0004, MRP section II.A.2.c.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 12-28-2009  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: (1) Exceeded Chloride WQPS (176.7 mg/L) in BO1-07. (2) Exceeded TDS WQPS (891 mg/L) in BO1-08. (3) Exceeded dichlorodifluoromethane WQPS (0.5 ug/L) in BO1-06. Violates board order R6V-2002-052 (1) WDR I. A. 4., (2) WDR I. A. 2, (3) WDR II. A. 9.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 09-14-2012  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: bis-(2-Ethylhexyl)phthalate (WQPS 4 ug/L) was found in a concentration that exceeds the WQPS limits. Violates Board Order WDR I.A.2.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 08-20-2019  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: (1) Exceeded MDL of Trichlorofluoromethane during the 1st half semi-annual monitoring period. Violates Board Order R6V-2016-0004 MRP I.C.2 (2) Exceeded WQPS of Chloride, Sulfate, and TDS during the 1st half semi-annual monitoring period. Violates Board Order R6V-2016-0004 WDR III.D.2

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 10-31-2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 10/30/2006  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-10-1999  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: REPORT WAS LATE, DUE 45 DAYS FOLLOWING END OF QUARTER  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 03-04-2014  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded WQPS concentration limits establish in 2001 for TDS. Violated Board Order 2002-052 (MRP II.C.1.c)  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 03-26-2009  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Well BO1-07 slightly exceeded the WQPS limit (176.7 mg/L) with a measurement of 180 mg/L.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 08-20-2019  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Vacuum was not applied on the system pressure line for each lysimeter to 70-80 centibars for at least 24 hours. Violates Board Order R6V-2016-0004 MRP II.A.2.c.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-02-2011  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded WQPS for chloride, TDS, dichlorodifluoromethane and



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

tetrachloroethene, violates board order 6-02-0052 WDR I. A. 2.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 04-09-2019  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: (1) Exceeded MDL for Trichlorofluoromethane during Semi-annual 2H 2018 monitoring period. Violates R6V-2016-0004, MRP I.C.2 (2) Exceeded WQPS for Chloride, Sulfate, and Total Dissolved Solids during Semi-annual 2H 2018 monitoring period. Violates R6V-2016-0004, WDR III.D.2

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 02-26-2019  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded the Water Quality Protection Standard for chloride (220 mg/L), sulfate (230 mg/L) in one well (B01-06), and total dissolved solids (955, 891, and 910 mg/L) in three wells (B01-06, B01-08, B01-10) during the second semi-annual 2018 monitoring period. Violates Board Order R6V-2016-0004, WDR section III.D.2.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 11-01-2018  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded the Water Quality Protection Standard for chloride (220 mg/L), sulfate (230 mg/L), and total dissolved solids (955 mg/L) in one well (B01-06) during the first semi-annual 2018 monitoring period. Violates Board Order R6V-2016-0004, WDR section III.D.2.

Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 05-19-2006  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 07/30/2005

Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Violation Date: 06-10-1999  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: REPORT WAS LATE, DUE BY THE 45TH DAY AFTER THE END OF THE QUARTER  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 03-08-2013  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Chloride WQPS: 176.7mg/L; MCL: 250mg/L. BO1-07: 180mg/L.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 04-14-2011  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded WQPS for dichlorodifluoromethane (0.099 ug/L), tetrachloroethene (0.13 ug/L) and trichlorofluoromethane (0.13 ug/L), violates board order 6-02-0052 WDR I. A. 2.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-17-2009  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded primary groundwater MCLs for chloride and sulfate in multiple wells. Board Order No. R6V-2002-052 Req. I. A. 2.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-20-2005  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: SUBMITTED LATE, WDR 45 DAYS PAST END OF QUARTER  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-14-1999  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: FIRST QUARTER 99 MONITORING REPORT WAS LATE, DUE 45 DAYS FOLLOWING END

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Violation Division: QUARTER.  
Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 05-19-2006  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Failed to submit report by 02/14/2006  
Violation Division: Water Boards  
Violation Program: LNDISP  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 06-25-2008  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: 3/17/08 Well BO 1-07 slightly exceed the WQPS limit of 177 mg/L for chloride with a chloride concentration of 180 mg/L.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 08-23-2010  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: Exceeded WQPS for chloride (176.7 mg/L for B01-07) and dichlorodifluoromethane (0.5 ug/L in B01-06), violates board order 6-02-0052 WDR I. A. 2.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Violation Date: 03-20-1996  
Citation: California Water Code  
Violation Description: Not reported  
Violation Notes: PONDING OF RAINWATER IN SOME AREAS. EROSION OF COVER AND EXPOSURE OF WASTE ON NORTH FACE.  
Violation Division: Water Boards  
Violation Program: LFOPER  
Violation Source: CIWQS

Evaluation:  
Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-03-2010  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-17-2017  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-22-2014  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-24-2018  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Other/Unknown  
Eval Date: 02-08-2001  
Violations Found: No  
Eval Type: Miscellaneous Inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-02-2000  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 05-21-2003  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Sampling Inspection

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Eval Date: 11-13-2007  
Violations Found: No  
Eval Type: RWQCB Type A compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 01-29-2009  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 02-24-1995  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 03-31-1999  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 04-02-2013  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-04-1997  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection  
Eval Notes: Not reported  
Eval Division: Water Boards  
Eval Program: LFOPER  
Eval Source: CIWQS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 06-09-1998  
Violations Found: No  
Eval Type: RWQCB Type B compliance inspection

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	06-21-1994
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Sampling Inspection
Eval Date:	11-06-2001
Violations Found:	No
Eval Type:	RWQCB Type A compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	03-20-1996
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	04-24-2012
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Evaluation Inspection
Eval Date:	05-12-2015
Violations Found:	No
Eval Type:	RWQCB Type B compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER
Eval Source:	CIWQS
Eval General Type:	Compliance Sampling Inspection
Eval Date:	11-05-1996
Violations Found:	No
Eval Type:	RWQCB Type A compliance inspection
Eval Notes:	Not reported
Eval Division:	Water Boards
Eval Program:	LFOPER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BORON CLASS III LANDFILL (Continued)**

**S101612513**

Eval Source: CIWQS

Enforcement Action:  
Site ID: 99657  
Site Name: Boron Class III Landfill  
Site Address: 5 MI SO OF BORON  
Site City: BORON  
Site Zip: 93516  
Enf Action Date: 09-06-2002  
Enf Action Type: Enforcement Letter (Formal)  
Enf Action Description: Enforcement Letter Citing Violations and with Required Actions (Formal)  
Enf Action Notes: Not reported  
Enf Action Division: Water Boards  
Enf Action Program: LFOPER  
Enf Action Source: CIWQS

Site ID: 99657  
Site Name: Boron Class III Landfill  
Site Address: 5 MI SO OF BORON  
Site City: BORON  
Site Zip: 93516  
Enf Action Date: 11-03-2015  
Enf Action Type: Oral Communication  
Enf Action Description: Oral Communication  
Enf Action Notes: Not reported  
Enf Action Division: Water Boards  
Enf Action Program: LFOPER  
Enf Action Source: CIWQS

Affiliation:  
Affiliation Type Desc: Regional Board Caseworker  
Entity Name: TIFFANY STEINERT - LAHONTAN RWQCB (REGION 6V)  
Entity Title: Not reported  
Affiliation Address: 15095 Amargosa Road, Building 2, Suite 210  
Affiliation City: Victorville  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: 7602417305

Affiliation Type Desc: Operator  
Entity Name: Kern County Public Works Department  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**5**  
 North  
 1/4-1/2  
 0.463 mi.  
 2445 ft.

**KERN COUNTY PUBLIC WORKS DEPARTMENT**  
**11400 BORON AVENUE**  
**BORON, CA 93516**

**SWF/LF**  
**CERS HAZ WASTE**  
**Financial Assurance**  
**HAZNET**  
**CERS**  
**HWTS**

**S104889754**  
**N/A**

**Actual:**  
**2503 ft.**

**Focus Map:**  
**3**

**SWF/LF (SWIS):**

Name: BORON SANITARY LANDFILL  
 Address: 11400 BORON AVENUE  
 City,State,Zip: BORON, CA  
 Facility ID: 15-AA-0045  
 Lat/Long: 34.99028 / -117.6475  
 Owner Name: County of Kern  
 Owner Telephone: 6618628900  
 Owner Address: Not reported  
 Owner Address2: 1115 Truxten Ave  
 Owner City,St,Zip: Bakerfield, CA 93301  
 Operational Status: Active  
 Operator: Kern County Public Works Department  
 Operator Phone: 6618628900  
 Operator Address: Not reported  
 Operator Address2: 2700 "M" St., Suite 450  
 Operator City,St,Zip: Bakersfield, CA 93301  
 Permit Date: 06/19/2014  
 Permit Status: Permitted  
 Permitted Acreage: \$120.20  
 Activity: Solid Waste Landfill  
 Regulation Status: Permitted  
 Landuse Name: Rural,Agricultural  
 GIS Source: GPS  
 Category: Disposal  
 Unit Number: 01  
 Inspection Frequency: Monthly  
 Accepted Waste: Agricultural,Ash,Construction/demolition,Dead Animals,Green  
 Materials,Industrial,Mixed municipal,Tires  
 Closure Date: 01/01/2048  
 Closure Type: Estimated  
 Disposal Acreage: \$14.10  
 SWIS Num: 15-AA-0045  
 Waste Discharge Requirement Num: III  
 Program Type: BOE Reporting Disposal Facility,Financial Assurance  
 Responsibilities,Remaining Capacity Landfill  
 Permitted Throughput with Units: 200  
 Actual Throughput with Units: Tons/day  
 Permitted Capacity with Units: 1057000  
 Remaining Capacity: 191380  
 Remaining Capacity with Units: Cubic Yards  
 Lat/Long: 34.99028 / -117.6475

**CERS HAZ WASTE:**

Name: KERN COUNTY PUBLIC WORKS DEPARTMENT - BORON LANDFILL  
 Address: 11400 BORON AVE  
 City,State,Zip: BORON, CA 93516  
 Site ID: 41217  
 CERS ID: 10231186  
 CERS Description: Hazardous Waste Generator



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued)**

**S104889754**

CA Financial Assurance 2:

Name:	BORON SANITARY LANDFILL
Address:	11400 BORON AVENUE
City,State,Zip:	BORON, CA
Region:	2
SWIS_NO:	15-AA-0045
Closure Approved:	Yes
Closure Inf Coverage Date:	05/29/2015
Closure Plan Coverage:	1305360
Closure Plan Date:	11/01/2018
PostClose Approved:	Yes
PostClose Adequacy Date:	11/01/2018
PostClose Inf Coverage:	1164510
PostClose Inf Coverage Date:	05/29/2015
CorActCoverage:	234898
CorActApproved:	Yes
CorAct Mec Adequacy Date:	Not reported
CorAct Inf Coverage:	234898
CorActPlanCoverage:	228007
CorAct Plan Date:	05/15/2013
Lia Coverage:	3000000
Lia Approved:	Yes
Review:	01/22/2016
Closure Mechanism A:	ENTERPRISE FUND
Closure Mechanism B:	Not reported
Closure Coverage:	1078524
Closure Adequacy:	Not reported
Closure Inflation Estimate:	1270198
Post Closure Mechanism A:	PLEDGE OF REVENUE
Post Closure Established A:	04/05/1994
Post Closure Mechanism B:	Not reported
Post Closure Coverate:	1164510
Post Closure Adequacy:	Not reported
Corrective Action Established A:	09/11/2012
Corrective Action Coverage:	234898
Corrective Action Approved:	Yes
Corrective Action Inflation Estimate:	234898
Corrective Action Inflationdate:	05/29/2015
Corrective Action Plan Estimate:	228007
Liability Mechanism A:	SELF-INS. & RISK MANAGEMENT
Liability Established A:	08/14/2013
Liability Mechanism B:	Not reported
CostAnniversary:	05/29/2015
ClosureEstablishedA:	10/30/1990
ClosureEstablishedB:	Not reported
ClosureDisbursement:	0
PostClosureEstablishedB:	Not reported
PostClosureDisbursement:	0
CorrectiveActionMechanismA:	PLEDGE OF REVENUE
CorrectiveActionMechanismB:	Not reported
CorrectiveActionEstablishedB:	Not reported
CorrectiveActionDisbursement:	0
LiabilityEstablishedB:	Not reported
LiabilityAdequacy:	Not reported
Responsible Party:	Not reported
Provider:	Not reported
Contact:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued)**

**S104889754**

**HAZNET:**

Name: KERN COUNTY PUBLIC WORKS DEPARTMENT  
Address: 11400 BORON AVENUE  
Address 2: Not reported  
City,State,Zip: BORON, CA 93516  
Contact: LYNETTE BEURMANN  
Telephone: 8058612159  
Mailing Name: Not reported  
Mailing Address: 2700 M STREET  
  
Year: 2016  
Gepaid: CAH111000199  
TSD EPA ID: CAH111000385  
CA Waste Code: 612 - Household waste  
Disposal Method: H141 - Storage, Bulking, And/Or Transfer Off Site--No  
Treatment/Reovery (H010-H129) Or (H131-H135)  
Tons: 1.625

**CERS:**

Name: BORON SANITARY LANDFILL  
Address: 11400 BORON AVENUE  
City,State,Zip: BORON, CA 93516  
Site ID: 455274  
CERS ID: 110012695299  
CERS Description: US EPA Air Emission Inventory System (EIS)

Name: BORON SANITARY LANDFILL  
Address: 11400 BORON AVENUE  
City,State,Zip: BORON, CA  
Site ID: 507168  
CERS ID: 15-AA-0045  
CERS Description: Solid Waste and Recycle Sites

**Affiliation:**

Affiliation Type Desc: Legal Operator  
Entity Name: Kern County Public Works Department  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Bakersfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 93301  
Affiliation Phone: 6618628900

Affiliation Type Desc: Legal Owner  
Entity Name: COUNTY OF KERN  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Bakerfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 93301  
Affiliation Phone: 6618628900

Name: KERN COUNTY PUBLIC WORKS DEPARTMENT - BORON LANDFILL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued)**

**S104889754**

Address: 11400 BORON AVE  
City,State,Zip: BORON, CA 93516  
Site ID: 41217  
CERS ID: 10231186  
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 41217  
Site Name: Kern County Public Works Department - BORON LANDFILL  
Violation Date: 09-27-2018  
Citation: 22 CCR 12 66262.40(a) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.40(a)  
Violation Description: Failure to keep a copy of each properly signed manifest for at least three years from the date the waste was accepted by the initial transporter. The manifest signed at the time the waste was accepted for transport shall be kept until receiving a signed copy from the designated facility which received the waste.  
Violation Notes: Returned to compliance on 10/26/2018. Submit waste oil manifests within 30 days.  
Violation Division: Kern County Env Health Services Department  
Violation Program: HW  
Violation Source: CERS

Site ID: 41217  
Site Name: Kern County Public Works Department - BORON LANDFILL  
Violation Date: 09-27-2018  
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31  
Violation Description: Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.  
Violation Notes: Returned to compliance on 10/26/2018. Observed accumulation of debris and oil like substance in the secondary containment at the oil pod. Maintain containment to prevent the release of oil on to the ground. Provide photos to abate violation within 30 days. Elizabeth King KINGEL@kerncounty.com.  
Violation Division: Kern County Env Health Services Department  
Violation Program: HW  
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-24-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Kern County Env Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-27-2018  
Violations Found: Yes  
Eval Type: Routine done by local agency  
Eval Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued)**

**S104889754**

Eval Division: Kern County Env Health Services Department  
Eval Program: HW  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-24-2015  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Kern County Env Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection  
Eval Date: 09-27-2018  
Violations Found: No  
Eval Type: Routine done by local agency  
Eval Notes: Not reported  
Eval Division: Kern County Env Health Services Department  
Eval Program: HMRRP  
Eval Source: CERS

Affiliation:  
Affiliation Type Desc: CUPA District  
Entity Name: Kern County Environmental Health Services Departme  
Entity Title: Not reported  
Affiliation Address: 2700 M Street, Suite 300  
Affiliation City: Bakersfield  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 93301-2370  
Affiliation Phone: (661) 862-8740

Affiliation Type Desc: Environmental Contact  
Entity Name: SERGIO FURTADO  
Entity Title: Not reported  
Affiliation Address: 2700 M ST SUITE 500  
Affiliation City: BAKERSFIELD  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 93301  
Affiliation Phone: Not reported

Affiliation Type Desc: Facility Mailing Address  
Entity Name: Mailing Address  
Entity Title: Not reported  
Affiliation Address: 2700 M ST SUITE 500  
Affiliation City: BAKERSFIELD  
Affiliation State: CA  
Affiliation Country: Not reported  
Affiliation Zip: 93301  
Affiliation Phone: Not reported

Affiliation Type Desc: Operator  
Entity Name: SERGIO FURTADO  
Entity Title: Not reported  
Affiliation Address: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued)**

**S104889754**

Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: (661) 862-8958

Affiliation Type Desc: Legal Owner  
Entity Name: Kern County Public Works Department  
Entity Title: Not reported  
Affiliation Address: 2700 M ST SUITE 500  
Affiliation City: BAKERSFIELD  
Affiliation State: CA  
Affiliation Country: United States  
Affiliation Zip: 93301  
Affiliation Phone: (661) 862-8900

Affiliation Type Desc: Parent Corporation  
Entity Name: KERN COUNTY PUBLIC WORKS DEPT  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Document Preparer  
Entity Name: Sergio Furtado  
Entity Title: Not reported  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

Affiliation Type Desc: Identification Signer  
Entity Name: Sergio Furtado  
Entity Title: Waste Management Specialist  
Affiliation Address: Not reported  
Affiliation City: Not reported  
Affiliation State: Not reported  
Affiliation Country: Not reported  
Affiliation Zip: Not reported  
Affiliation Phone: Not reported

**HWTS:**

Name: KERN COUNTY PUBLIC WORKS DEPARTMENT  
Address: 11400 BORON AVENUE  
Address 2: Not reported  
City,State,Zip: BORON, CA 93516  
EPA ID: CAH111000199  
Inactive Date: Not reported  
Create Date: 02/10/1994  
Last Act Date: 10/07/2016  
Mailing Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KERN COUNTY PUBLIC WORKS DEPARTMENT (Continued)**

**S104889754**

Mailing Address: 2700 M STREET  
Mailing Address 2: Not reported  
Mailing City,State,Zip: BAKERSFIELD, CA 933010000  
Owner Name: KERN CO WASTE MANAGEMENT DEPT  
Owner Address: 2700 M STREET  
Owner Address 2: Not reported  
Owner City,State,Zip: BAKERSFIELD, CA 933010000  
Contact Name: LYNETTE BEURMANN  
Contact Address: 2700 M STREET  
Contact Address 2: Not reported  
City,State,Zip: BAKERSFIELD, CA 933010000

**A6  
NE**

**KRAMER POTASH PLANT  
BARSTOW, CA**

**FUDS 1024903927  
N/A**

**1/2-1  
0.502 mi.  
2648 ft. Site 1 of 2 in cluster A**

**Actual:** FUDS:  
**2470 ft.**  
**Focus Map:** EPA Region: 09  
**7** Installation ID: CA99799FA00300  
Congressional District Number: 08  
Facility Name: KRAMER POTASH PLANT  
FUDS Number: J09CA7180  
City: BARSTOW  
State: CA  
County: SAN BERNARDINO  
Object ID: 4175  
USACE District: Los Angeles District (SPL)  
Status: Properties without projects  
Current Owner: Not reported  
EMS Map Link: <https://fudsportal.usace.army.mil/ems/ems/inventory/map/map?id=54246>  
Eligibility: Ineligible  
Has Projects: No  
NPL Status: Not Listed  
Latitude: 34.994444440000000  
Longitude: -117.538888889999000

**A7  
NE**

**KRAMER POTASH PLANT  
BARSTOW, CA**

**ENVIROSTOR S107736552  
N/A**

**1/2-1  
0.504 mi.  
2662 ft. Site 2 of 2 in cluster A**

**Actual:** ENVIROSTOR:  
**2470 ft.**  
**Focus Map:** Name: KRAMER POTASH PLANT  
**7** Address: Not reported  
City,State,Zip: BARSTOW, CA  
Facility ID: 80000882  
Status: Inactive - Needs Evaluation  
Status Date: 07/01/2005  
Site Code: Not reported  
Site Type: Military Evaluation  
Site Type Detailed: FUDS  
Acres: Not reported  
NPL: NO

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**KRAMER POTASH PLANT (Continued)**

**S107736552**

Regulatory Agencies: SMBRP  
Lead Agency: SMBRP  
Program Manager: Not reported  
Supervisor: Douglas Bautista  
Division Branch: Cleanup Cypress  
Assembly: 33  
Senate: 16  
Special Program: Not reported  
Restricted Use: NO  
Site Mgmt Req: NONE SPECIFIED  
Funding: DERA  
Latitude: 34.99444  
Longitude: -117.5388  
APN: 049219218  
Past Use: NONE SPECIFIED  
Potential COC: NONE SPECIFIED  
Confirmed COC: NONE SPECIFIED  
Potential Description: NONE SPECIFIED  
Alias Name: 049219218  
Alias Type: APN  
Alias Name: CA99799FA00300  
Alias Type: Federal Facility ID  
Alias Name: J09CA7180  
Alias Type: INPR  
Alias Name: 80000882  
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE  
Completed Sub Area Name: Not reported  
Completed Document Type: Inventory Project Report (INPR)  
Completed Date: 07/29/1998  
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

**B8  
NW  
1/2-1  
0.768 mi.  
4057 ft.**

**OFF BASE ADJACENT AREA 2 (CENTRAL)**

**UXO 1024715750  
N/A**

**EDWARDS AFB, CA**

**Site 1 of 2 in cluster B**

**Actual:  
2500 ft.**

**UXO:**

**Focus Map:  
2**

DoD Component: Air Force  
Installation Name: EDWARDS AIR FORCE BASE  
Facility Address 2: Not reported  
Site ID: AL505-2  
Site Type: Air to Land  
Latitude: 34.990000000000000000  
Longitude: -117.66

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**B9**            **OFF BASE ADJACENT AREA 2 (EAST & WEST)**  
**NW**  
**1/2-1**        **EDWARDS AFB, CA**  
**0.768 mi.**  
**4057 ft.**     **Site 2 of 2 in cluster B**

**UXO**    **1024715754**  
           **N/A**

<b>Actual:</b> <b>2500 ft.</b>	UXO:	
<b>Focus Map:</b> <b>2</b>	DoD Component:	Air Force
	Installation Name:	EDWARDS AIR FORCE BASE
	Facility Address 2:	Not reported
	Site ID:	AL5052A
	Site Type:	Air to Land
	Latitude:	34.990000000000002
	Longitude:	-117.66



Count: 9 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BORON	S105652085		HWY 58 AT AMARGO AT SAN BERNARDINO CO LINE		CHMIRS
BORON	1023357495	SOUTHERN CALIFORNIA EDISON AMARGO SUBSTATION	ALLEY N/O AMARGO RD. E/O BORON AVE.	93516	FINDS
EDWARD	S106825473	AIR FORCE FLIGHT TEST CENTER	EDWARDS AIR FORCE BASE	93524	EMI
EDWARDS	2014071152		EDWARDS AIR FORCE BASE		ERNS
EDWARDS	S116362191		EDWARDS AIR FORCE BASE		CHMIRS
LANCASTER	S110424249		SOUTH BASE, BUILD 151, EDWARDS AIR FORCE BASE	93524	CHMIRS
ROSAMOND	S110421438		BUILDING 369, EDWARDS AIR FORCE BASE	93524	CHMIRS
UNINCORPORATED COUN	S105662705		SOUTH BAY SPUR LOCATED AT EDWARDS AIR FORCE BASE	93524	CHMIRS
UNINCORPORATED COUN	S111756420		BUILDING 151, EDWARDS AIR FORCE BASE, SOUTH BASE, CLOSEST CITY IS MOJAVE	93524	CHMIRS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## **STANDARD ENVIRONMENTAL RECORDS**

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

#### **NPL: National Priority List**

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

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

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

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

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

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: N/A
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/13/2020
	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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## ***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: 04/27/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: N/A  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/03/2019  
Date Data Arrived at EDR: 04/05/2019  
Date Made Active in Reports: 05/14/2019  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 04/03/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Quarterly

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

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/28/2020	Last EDR Contact: 06/03/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Quarterly

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

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/23/2020	Source: EPA
Date Data Arrived at EDR: 03/25/2020	Telephone: 800-424-9346
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	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: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

## RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

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

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/04/2019	Source: Department of the Navy
Date Data Arrived at EDR: 11/13/2019	Telephone: 843-820-7326
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 76	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

### US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal ERNS list***

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/16/2019

Date Data Arrived at EDR: 12/19/2019

Date Made Active in Reports: 03/06/2020

Number of Days to Update: 78

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 03/24/2020

Next Scheduled EDR Contact: 07/06/2020

Data Release Frequency: Quarterly

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

RESPONSE: State Response Sites

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

Date of Government Version: 01/27/2020

Date Data Arrived at EDR: 01/28/2020

Date Made Active in Reports: 04/09/2020

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/28/2020

Next Scheduled EDR Contact: 08/10/2020

Data Release Frequency: Quarterly

## ***State- and tribal - equivalent CERCLIS***

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 01/27/2020

Date Data Arrived at EDR: 01/28/2020

Date Made Active in Reports: 04/09/2020

Number of Days to Update: 72

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 04/28/2020

Next Scheduled EDR Contact: 08/10/2020

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: 02/10/2020

Date Data Arrived at EDR: 02/11/2020

Date Made Active in Reports: 04/20/2020

Number of Days to Update: 69

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 05/12/2020

Next Scheduled EDR Contact: 08/24/2020

Data Release Frequency: Quarterly

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

## LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003  
Date Data Arrived at EDR: 05/19/2003  
Date Made Active in Reports: 06/02/2003  
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-542-4786  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

## LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: see region list  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Quarterly

## LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001  
Date Data Arrived at EDR: 02/28/2001  
Date Made Active in Reports: 03/29/2001  
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)  
Telephone: 707-570-3769  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001  
Date Data Arrived at EDR: 04/23/2001  
Date Made Active in Reports: 05/21/2001  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-637-5595  
Last EDR Contact: 09/26/2011  
Next Scheduled EDR Contact: 01/09/2012  
Data Release Frequency: No Update Planned

## LUST REG 8: Leaking Underground Storage Tanks

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

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)  
Telephone: 909-782-4496  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-622-2433  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: No Update Planned

## LUST REG 5: Leaking Underground Storage Tank Database

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

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 07/22/2008  
Date Made Active in Reports: 07/31/2008  
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-4834  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

## LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003  
Date Data Arrived at EDR: 09/10/2003  
Date Made Active in Reports: 10/07/2003  
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)  
Telephone: 530-542-5572  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 06/07/2005  
Date Data Arrived at EDR: 06/07/2005  
Date Made Active in Reports: 06/29/2005  
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)  
Telephone: 760-241-7365  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6710  
Last EDR Contact: 09/06/2011  
Next Scheduled EDR Contact: 12/19/2011  
Data Release Frequency: No Update Planned

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 68

Source: EPA Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 10/02/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 68

Source: EPA Region 6  
Telephone: 214-665-6597  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019	Source: EPA, Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-7439
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019	Source: EPA Region 7
Date Data Arrived at EDR: 12/17/2019	Telephone: 913-551-7003
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 55	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-8677
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/04/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3372
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2019	Telephone: 303-312-6271
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

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

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003  
Date Data Arrived at EDR: 04/07/2003  
Date Made Active in Reports: 04/25/2003  
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)  
Telephone: 707-576-2220  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004  
Date Data Arrived at EDR: 10/20/2004  
Date Made Active in Reports: 11/19/2004  
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)  
Telephone: 510-286-0457  
Last EDR Contact: 09/19/2011  
Next Scheduled EDR Contact: 01/02/2012  
Data Release Frequency: No Update Planned

## SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006  
Date Data Arrived at EDR: 05/18/2006  
Date Made Active in Reports: 06/15/2006  
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)  
Telephone: 805-549-3147  
Last EDR Contact: 07/18/2011  
Next Scheduled EDR Contact: 10/31/2011  
Data Release Frequency: No Update Planned

## SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004  
Date Data Arrived at EDR: 11/18/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)  
Telephone: 213-576-6600  
Last EDR Contact: 07/01/2011  
Next Scheduled EDR Contact: 10/17/2011  
Data Release Frequency: No Update Planned

## SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005  
Date Data Arrived at EDR: 04/05/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)  
Telephone: 916-464-3291  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005  
Date Data Arrived at EDR: 05/25/2005  
Date Made Active in Reports: 06/16/2005  
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch  
Telephone: 619-241-6583  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004  
Date Data Arrived at EDR: 09/07/2004  
Date Made Active in Reports: 10/12/2004  
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region  
Telephone: 530-542-5574  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004  
Date Data Arrived at EDR: 11/29/2004  
Date Made Active in Reports: 01/04/2005  
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region  
Telephone: 760-346-7491  
Last EDR Contact: 08/01/2011  
Next Scheduled EDR Contact: 11/14/2011  
Data Release Frequency: No Update Planned

## SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008  
Date Data Arrived at EDR: 04/03/2008  
Date Made Active in Reports: 04/14/2008  
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)  
Telephone: 951-782-3298  
Last EDR Contact: 09/12/2011  
Next Scheduled EDR Contact: 12/26/2011  
Data Release Frequency: No Update Planned

## SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007  
Date Data Arrived at EDR: 09/11/2007  
Date Made Active in Reports: 09/28/2007  
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)  
Telephone: 858-467-2980  
Last EDR Contact: 08/08/2011  
Next Scheduled EDR Contact: 11/21/2011  
Data Release Frequency: No Update Planned

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

### FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 02/01/2020  
Date Data Arrived at EDR: 03/19/2020  
Date Made Active in Reports: 06/09/2020  
Number of Days to Update: 82

Source: FEMA  
Telephone: 202-646-5797  
Last EDR Contact: 03/19/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Varies

### UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/09/2020  
Date Data Arrived at EDR: 03/10/2020  
Date Made Active in Reports: 05/20/2020  
Number of Days to Update: 71

Source: SWRCB  
Telephone: 916-341-5851  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Varies

## UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/09/2020  
Date Data Arrived at EDR: 03/11/2020  
Date Made Active in Reports: 05/26/2020  
Number of Days to Update: 76

Source: State Water Resources Control Board  
Telephone: 916-327-7844  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Varies

## AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016  
Date Data Arrived at EDR: 07/12/2016  
Date Made Active in Reports: 09/19/2016  
Number of Days to Update: 69

Source: California Environmental Protection Agency  
Telephone: 916-327-5092  
Last EDR Contact: 06/10/2020  
Next Scheduled EDR Contact: 09/28/2020  
Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/03/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/14/2020  
Number of Days to Update: 72

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
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: 10/02/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 68

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 10/11/2019  
Date Data Arrived at EDR: 12/04/2019  
Date Made Active in Reports: 02/10/2020  
Number of Days to Update: 68

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 05/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/11/2019	Source: EPA Region 10
Date Data Arrived at EDR: 12/04/2019	Telephone: 206-553-2857
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2019	Source: EPA Region 5
Date Data Arrived at EDR: 12/04/2019	Telephone: 312-886-6136
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2019	Source: EPA Region 4
Date Data Arrived at EDR: 12/05/2019	Telephone: 404-562-9424
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 10/04/2019	Source: EPA Region 9
Date Data Arrived at EDR: 12/04/2019	Telephone: 415-972-3368
Date Made Active in Reports: 02/27/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 12/04/2019	Telephone: 617-918-1313
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

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

## INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 01/27/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 72

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 04/28/2020  
Next Scheduled EDR Contact: 08/10/2020  
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: 07/27/2015  
Date Data Arrived at EDR: 09/29/2015  
Date Made Active in Reports: 02/18/2016  
Number of Days to Update: 142

Source: EPA, Region 1  
Telephone: 617-918-1102  
Last EDR Contact: 03/18/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Varies

## **State and tribal Brownfields sites**

### BROWNFIELDS: Considered Brownfields Sites Listing

A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/23/2020  
Date Data Arrived at EDR: 03/24/2020  
Date Made Active in Reports: 06/05/2020  
Number of Days to Update: 73

Source: State Water Resources Control Board  
Telephone: 916-323-7905  
Last EDR Contact: 03/24/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Quarterly

## **ADDITIONAL ENVIRONMENTAL RECORDS**

### **Local Brownfield lists**

#### US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/01/2020  
Date Data Arrived at EDR: 06/02/2020  
Date Made Active in Reports: 06/09/2020  
Number of Days to Update: 7

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 06/02/2020  
Next Scheduled EDR Contact: 06/29/2020  
Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

#### WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000  
Date Data Arrived at EDR: 04/10/2000  
Date Made Active in Reports: 05/10/2000  
Number of Days to Update: 30

Source: State Water Resources Control Board  
Telephone: 916-227-4448  
Last EDR Contact: 04/16/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: No Update Planned

## SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/09/2020  
Date Data Arrived at EDR: 03/10/2020  
Date Made Active in Reports: 05/19/2020  
Number of Days to Update: 70

Source: Department of Conservation  
Telephone: 916-323-3836  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Quarterly

## HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/15/2019  
Date Data Arrived at EDR: 11/15/2019  
Date Made Active in Reports: 01/23/2020  
Number of Days to Update: 69

Source: Integrated Waste Management Board  
Telephone: 916-341-6422  
Last EDR Contact: 05/06/2020  
Next Scheduled EDR Contact: 08/24/2020  
Data Release Frequency: Varies

## INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 04/16/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Varies

## ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 05/01/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### **US HIST CDL: National Clandestine Laboratory Register**

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-307-1000
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: No Update Planned

### **HIST CAL-SITES: Calsites Database**

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

Date of Government Version: 08/08/2005	Source: Department of Toxic Substance Control
Date Data Arrived at EDR: 08/03/2006	Telephone: 916-323-3400
Date Made Active in Reports: 08/24/2006	Last EDR Contact: 02/23/2009
Number of Days to Update: 21	Next Scheduled EDR Contact: 05/25/2009
	Data Release Frequency: No Update Planned

### **SCH: School Property Evaluation Program**

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

Date of Government Version: 01/27/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/28/2020	Telephone: 916-323-3400
Date Made Active in Reports: 04/09/2020	Last EDR Contact: 04/28/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/10/2020
	Data Release Frequency: Quarterly

### **CDL: Clandestine Drug Labs**

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2018	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/05/2020	Telephone: 916-255-6504
Date Made Active in Reports: 04/15/2020	Last EDR Contact: 05/14/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Varies

### **TOXIC PITS: Toxic Pits Cleanup Act Sites**

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995	Source: State Water Resources Control Board
Date Data Arrived at EDR: 08/30/1995	Telephone: 916-227-4364
Date Made Active in Reports: 09/26/1995	Last EDR Contact: 01/26/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/27/2009
	Data Release Frequency: No Update Planned

### **CERS HAZ WASTE: CERS HAZ WASTE**

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/22/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 70

Source: CalEPA  
Telephone: 916-323-2514  
Last EDR Contact: 04/21/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Quarterly

## 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: 03/18/2020  
Date Data Arrived at EDR: 03/19/2020  
Date Made Active in Reports: 06/09/2020  
Number of Days to Update: 82

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 05/18/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Quarterly

## PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 03/09/2020  
Date Data Arrived at EDR: 03/10/2020  
Date Made Active in Reports: 05/19/2020  
Number of Days to Update: 70

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Varies

## Local Lists of Registered Storage Tanks

### SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994  
Date Data Arrived at EDR: 07/07/2005  
Date Made Active in Reports: 08/11/2005  
Number of Days to Update: 35

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/03/2005  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 12/19/2019  
Date Data Arrived at EDR: 12/23/2019  
Date Made Active in Reports: 02/21/2020  
Number of Days to Update: 60

Source: Department of Public Health  
Telephone: 707-463-4466  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 09/07/2020  
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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 08/01/2019  
Date Data Arrived at EDR: 08/02/2019  
Date Made Active in Reports: 10/11/2019  
Number of Days to Update: 70

Source: San Francisco County Department of Public Health  
Telephone: 415-252-3896  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/22/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 70

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 04/21/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Quarterly

## CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994  
Date Data Arrived at EDR: 09/05/1995  
Date Made Active in Reports: 09/29/1995  
Number of Days to Update: 24

Source: California Environmental Protection Agency  
Telephone: 916-341-5851  
Last EDR Contact: 12/28/1998  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS: Environmental Liens Listing

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

Date of Government Version: 03/03/2020  
Date Data Arrived at EDR: 03/05/2020  
Date Made Active in Reports: 05/14/2020  
Number of Days to Update: 70

Source: Department of Toxic Substances Control  
Telephone: 916-323-3400  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Varies

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 04/27/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 22

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Semi-Annually

### DEED: Deed Restriction Listing

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 03/02/2020	Source: DTSC and SWRCB
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-323-3400
Date Made Active in Reports: 05/13/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/14/2020
	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: 12/05/2019	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 12/06/2019	Telephone: 202-366-4555
Date Made Active in Reports: 02/14/2020	Last EDR Contact: 03/24/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

#### **CHMIRS: California Hazardous Material Incident Report System**

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/24/2019	Source: Office of Emergency Services
Date Data Arrived at EDR: 01/22/2020	Telephone: 916-845-8400
Date Made Active in Reports: 03/30/2020	Last EDR Contact: 04/21/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Semi-Annually

#### **LDS: Land Disposal Sites Listing (GEOTRACKER)**

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020	Source: State Water Quality Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

#### **MCS: Military Cleanup Sites Listing (GEOTRACKER)**

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/22/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## Other Ascertainable Records

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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

Date of Government Version: 03/23/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/25/2020	Telephone: (415) 495-8895
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 03/25/2020
Number of Days to Update: 57	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/28/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/19/2020	Telephone: 202-528-4285
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/10/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Semi-Annually

### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 04/06/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017  
Date Data Arrived at EDR: 02/03/2017  
Date Made Active in Reports: 04/07/2017  
Number of Days to Update: 63

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 08/24/2020  
Data Release Frequency: Varies

## US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 12/16/2019  
Date Data Arrived at EDR: 12/19/2019  
Date Made Active in Reports: 02/27/2020  
Number of Days to Update: 70

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 03/24/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Quarterly

## EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013  
Date Data Arrived at EDR: 03/21/2014  
Date Made Active in Reports: 06/17/2014  
Number of Days to Update: 88

Source: Environmental Protection Agency  
Telephone: 617-520-3000  
Last EDR Contact: 05/04/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017  
Date Data Arrived at EDR: 05/08/2018  
Date Made Active in Reports: 07/20/2018  
Number of Days to Update: 73

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 05/08/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016  
Date Data Arrived at EDR: 06/21/2017  
Date Made Active in Reports: 01/05/2018  
Number of Days to Update: 198

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 03/20/2020  
Next Scheduled EDR Contact: 06/29/2020  
Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 79

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 05/21/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 05/01/2019  
Date Data Arrived at EDR: 10/23/2019  
Date Made Active in Reports: 01/15/2020  
Number of Days to Update: 84

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 04/21/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Annually

## ROD: Records Of Decision

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

Date of Government Version: 04/27/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 22

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Annually

## RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/05/2019  
Date Data Arrived at EDR: 11/20/2019  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 149

Source: Environmental Protection Agency  
Telephone: 202-564-8600  
Last EDR Contact: 04/15/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Date Data Arrived at EDR: 07/03/1995  
Date Made Active in Reports: 08/07/1995  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4104  
Last EDR Contact: 06/02/2008  
Next Scheduled EDR Contact: 09/01/2008  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 06/03/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/17/2020
	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: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 04/10/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Annually

## ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 03/26/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

## FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

## 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: 10/25/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/25/2019	Telephone: 301-415-7169
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 04/10/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 06/05/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/14/2020
	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: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 06/01/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 09/14/2020
	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: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 05/08/2020
Number of Days to Update: 96	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

## RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 07/01/2019
Number of Days to Update: 84	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/17/2020  
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 04/28/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Quarterly

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2019  
Date Data Arrived at EDR: 01/17/2020  
Date Made Active in Reports: 03/06/2020  
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 09/28/2017  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 03/25/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Biennially

## INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 07/14/2015  
Date Made Active in Reports: 01/10/2017  
Number of Days to Update: 546

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 04/10/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017  
Date Data Arrived at EDR: 09/11/2018  
Date Made Active in Reports: 09/14/2018  
Number of Days to Update: 3

Source: Department of Energy  
Telephone: 202-586-3559  
Last EDR Contact: 04/29/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019  
Date Data Arrived at EDR: 11/15/2019  
Date Made Active in Reports: 01/28/2020  
Number of Days to Update: 74

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 05/18/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020  
Date Data Arrived at EDR: 05/06/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 22

Source: Environmental Protection Agency  
Telephone: 703-603-8787  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001  
Date Data Arrived at EDR: 10/27/2010  
Date Made Active in Reports: 12/02/2010  
Number of Days to Update: 36

Source: American Journal of Public Health  
Telephone: 703-305-6451  
Last EDR Contact: 12/02/2009  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 03/31/2020  
Date Data Arrived at EDR: 04/01/2020  
Date Made Active in Reports: 05/21/2020  
Number of Days to Update: 50

Source: DOL, Mine Safety & Health Administration  
Telephone: 202-693-9424  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Quarterly

## 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/11/2020  
Date Data Arrived at EDR: 02/25/2020  
Date Made Active in Reports: 05/21/2020  
Number of Days to Update: 86

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 05/21/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Semi-Annually

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/16/2018  
Date Data Arrived at EDR: 02/28/2020  
Date Made Active in Reports: 05/22/2020  
Number of Days to Update: 84

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 05/21/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/05/2020  
Date Data Arrived at EDR: 03/06/2020  
Date Made Active in Reports: 05/29/2020  
Number of Days to Update: 84

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/03/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/28/2020  
Number of Days to Update: 86

Source: EPA  
Telephone: (415) 947-8000  
Last EDR Contact: 06/02/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Quarterly

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 07/26/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 71

Source: Environmental Protection Agency  
Telephone: 202-564-0527  
Last EDR Contact: 05/18/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 04/03/2020
Number of Days to Update: 74	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Varies

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 01/05/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/07/2020	Telephone: 202-564-2280
Date Made Active in Reports: 03/06/2020	Last EDR Contact: 04/07/2020
Number of Days to Update: 59	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/18/2020	Source: EPA
Date Data Arrived at EDR: 02/19/2020	Telephone: 800-385-6164
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 05/19/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Quarterly

## CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 03/23/2020	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 03/24/2020	Telephone: 916-323-3400
Date Made Active in Reports: 06/05/2020	Last EDR Contact: 03/24/2020
Number of Days to Update: 73	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Quarterly

## CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/14/2019	Telephone: 925-454-2361
Date Made Active in Reports: 07/17/2019	Last EDR Contact: 05/15/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Varies

## CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/03/2020  
Date Data Arrived at EDR: 02/04/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 65

Source: San Francisco County Department of Environmental Health  
Telephone: 415-252-3896  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 12/04/2019  
Date Data Arrived at EDR: 01/29/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 71

Source: Department of Toxic Substance Control  
Telephone: 916-327-4498  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Annually

## DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 01/31/2020  
Date Data Arrived at EDR: 01/31/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 69

Source: South Coast Air Quality Management District  
Telephone: 909-396-3211  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: Varies

## DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/27/2020  
Date Data Arrived at EDR: 02/28/2020  
Date Made Active in Reports: 05/07/2020  
Number of Days to Update: 69

Source: Antelope Valley Air Quality Management District  
Telephone: 661-723-8070  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Varies

## EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 06/24/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 59

Source: California Air Resources Board  
Telephone: 916-322-2990  
Last EDR Contact: 03/20/2020  
Next Scheduled EDR Contact: 06/29/2020  
Data Release Frequency: Varies

## ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 04/03/2020  
Date Data Arrived at EDR: 04/07/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 8

Source: State Water Resources Control Board  
Telephone: 916-445-9379  
Last EDR Contact: 04/03/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/23/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 69

Source: Department of Toxic Substances Control  
Telephone: 916-255-3628  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 02/19/2020	Source: California Integrated Waste Management Board
Date Data Arrived at EDR: 02/20/2020	Telephone: 916-341-6066
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 04/29/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/24/2020
	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: 12/31/2017	Source: California Environmental Protection Agency
Date Data Arrived at EDR: 05/29/2019	Telephone: 916-255-1136
Date Made Active in Reports: 07/22/2019	Last EDR Contact: 04/15/2020
Number of Days to Update: 54	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Annually

## ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/19/2020	Telephone: 877-786-9427
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/31/2020
	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 [CALSTITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/22/2009	Telephone: 916-323-3400
Date Made Active in Reports: 04/08/2009	Last EDR Contact: 01/22/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 02/18/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 02/19/2020	Telephone: 916-323-3400
Date Made Active in Reports: 04/24/2020	Last EDR Contact: 05/18/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/31/2020
	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: 01/06/2020	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/07/2020	Telephone: 916-440-7145
Date Made Active in Reports: 03/05/2020	Last EDR Contact: 04/09/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-322-1080
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/21/2020
	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: 02/12/2020	Source: Department of Public Health
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-558-1784
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Varies

## NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 02/10/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 02/11/2020	Telephone: 916-445-9379
Date Made Active in Reports: 04/20/2020	Last EDR Contact: 05/12/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: Quarterly

## PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/02/2020	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 03/03/2020	Telephone: 916-445-4038
Date Made Active in Reports: 05/14/2020	Last EDR Contact: 06/02/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 09/14/2020
	Data Release Frequency: Quarterly

## PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-323-3836
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

## NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 03/12/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 03/13/2020	Telephone: 916-445-3846
Date Made Active in Reports: 05/21/2020	Last EDR Contact: 06/10/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/28/2020
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UIC: UIC Listing

A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/09/2020	Source: Department of Conservation
Date Data Arrived at EDR: 03/10/2020	Telephone: 916-445-2408
Date Made Active in Reports: 05/19/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

## UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 05/13/2020	Source: State Water Resource Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

## WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019	Source: RWQCB, Central Valley Region
Date Data Arrived at EDR: 01/07/2020	Telephone: 559-445-5577
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 04/10/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/20/2020
	Data Release Frequency: Varies

## WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/20/2007	Telephone: 916-341-5227
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 05/07/2020
Number of Days to Update: 9	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: No Update Planned

## 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	Source: Los Angeles Water Quality Control Board
Date Data Arrived at EDR: 07/21/2009	Telephone: 213-576-6726
Date Made Active in Reports: 08/03/2009	Last EDR Contact: 03/18/2020
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: No Update Planned

## MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 05/13/2020	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/13/2020	Telephone: 866-480-1028
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Varies

## PROJECT: Project Sites (GEOTRACKER)

Projects sites



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Varies

## WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2020  
Date Data Arrived at EDR: 03/10/2020  
Date Made Active in Reports: 05/19/2020  
Number of Days to Update: 70

Source: State Water Resources Control Board  
Telephone: 916-341-5810  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Quarterly

## CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 03/02/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/13/2020  
Number of Days to Update: 71

Source: State Water Resources Control Board  
Telephone: 866-794-4977  
Last EDR Contact: 06/02/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Varies

## CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/22/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 70

Source: California Environmental Protection Agency  
Telephone: 916-323-2514  
Last EDR Contact: 04/21/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Varies

## OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Varies

## SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Varies

## WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 05/13/2020  
Date Data Arrived at EDR: 05/13/2020  
Date Made Active in Reports: 05/15/2020  
Number of Days to Update: 2

Source: State Water Resources Control Board  
Telephone: 866-480-1028  
Last EDR Contact: 06/09/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Varies

## HWTS: Hazardous Waste Tracking System

The Hazardous Waste Tracking System (HWTS) is the Department of Toxic Substances Control's data repository for hazardous waste Identification (ID) numbers and manifest information. HWTS generates reports on hazardous waste shipments for generators, transporters, and TSDFs.

Date of Government Version: 10/15/2019  
Date Data Arrived at EDR: 11/14/2019  
Date Made Active in Reports: 02/07/2020  
Number of Days to Update: 85

Source: Department of Toxic Substances Control  
Telephone: 916-324-2444  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Varies

## PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011  
Date Data Arrived at EDR: 08/05/2011  
Date Made Active in Reports: 09/29/2011  
Number of Days to Update: 55

Source: EPA, Office of Water  
Telephone: 202-564-2496  
Last EDR Contact: 03/09/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Semi-Annually

## PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014  
Date Data Arrived at EDR: 01/06/2015  
Date Made Active in Reports: 05/06/2015  
Number of Days to Update: 120

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Semi-Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014  
Date Data Arrived at EDR: 02/05/2015  
Date Made Active in Reports: 03/06/2015  
Number of Days to Update: 29

Source: EPA  
Telephone: 202-564-2497  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Varies

## MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018  
Date Data Arrived at EDR: 10/21/2019  
Date Made Active in Reports: 10/24/2019  
Number of Days to Update: 3

Source: USGS  
Telephone: 703-648-6533  
Last EDR Contact: 05/21/2020  
Next Scheduled EDR Contact: 09/07/2020  
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 whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/13/2014  
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/30/2013  
Number of Days to Update: 182

Source: State Water Resources Control Board  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## COUNTY RECORDS

### ALAMEDA COUNTY:

#### CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019  
Date Data Arrived at EDR: 01/11/2019  
Date Made Active in Reports: 03/05/2019  
Number of Days to Update: 53

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Semi-Annually

#### UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 01/06/2020  
Date Data Arrived at EDR: 01/07/2020  
Date Made Active in Reports: 03/06/2020  
Number of Days to Update: 59

Source: Alameda County Environmental Health Services  
Telephone: 510-567-6700  
Last EDR Contact: 04/20/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Semi-Annually

### AMADOR COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 05/18/2020  
Date Data Arrived at EDR: 05/19/2020  
Date Made Active in Reports: 06/01/2020  
Number of Days to Update: 13

Source: Amador County Environmental Health  
Telephone: 209-223-6439  
Last EDR Contact: 05/18/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## BUTTE COUNTY:

### CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017  
Date Data Arrived at EDR: 04/25/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 106

Source: Public Health Department  
Telephone: 530-538-7149  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: No Update Planned

## CALVERAS COUNTY:

### CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 12/02/2019  
Date Data Arrived at EDR: 12/03/2019  
Date Made Active in Reports: 02/04/2020  
Number of Days to Update: 63

Source: Calveras County Environmental Health  
Telephone: 209-754-6399  
Last EDR Contact: 03/18/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Quarterly

## COLUSA COUNTY:

### CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 03/02/2020  
Date Data Arrived at EDR: 03/04/2020  
Date Made Active in Reports: 06/01/2020  
Number of Days to Update: 89

Source: Health & Human Services  
Telephone: 530-458-0396  
Last EDR Contact: 04/06/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Semi-Annually

## CONTRA COSTA COUNTY:

### SL CONTRA COSTA: Site List

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

Date of Government Version: 02/14/2020  
Date Data Arrived at EDR: 02/18/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 66

Source: Contra Costa Health Services Department  
Telephone: 925-646-2286  
Last EDR Contact: 04/16/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Semi-Annually

## DEL NORTE COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 12/27/2019  
Date Data Arrived at EDR: 01/28/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 72

Source: Del Norte County Environmental Health Division  
Telephone: 707-465-0426  
Last EDR Contact: 04/16/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Varies

## EL DORADO COUNTY:

### CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 12/31/2019  
Date Data Arrived at EDR: 01/03/2020  
Date Made Active in Reports: 03/05/2020  
Number of Days to Update: 62

Source: El Dorado County Environmental Management Department  
Telephone: 530-621-6623  
Last EDR Contact: 05/06/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Varies

## FRESNO COUNTY:

### CUPA FRESNO: 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: 10/08/2019  
Date Data Arrived at EDR: 10/10/2019  
Date Made Active in Reports: 12/11/2019  
Number of Days to Update: 62

Source: Dept. of Community Health  
Telephone: 559-445-3271  
Last EDR Contact: 03/31/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Semi-Annually

## GLENN COUNTY:

### CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018  
Date Data Arrived at EDR: 01/24/2018  
Date Made Active in Reports: 03/14/2018  
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District  
Telephone: 830-934-6500  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: No Update Planned

## HUMBOLDT COUNTY:

### CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 11/13/2019  
Date Data Arrived at EDR: 11/14/2019  
Date Made Active in Reports: 01/23/2020  
Number of Days to Update: 70

Source: Humboldt County Environmental Health  
Telephone: N/A  
Last EDR Contact: 05/14/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Semi-Annually

## IMPERIAL COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/23/2020  
Date Made Active in Reports: 03/30/2020  
Number of Days to Update: 67

Source: San Diego Border Field Office  
Telephone: 760-339-2777  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## INYO COUNTY:

### CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018  
Date Data Arrived at EDR: 04/03/2018  
Date Made Active in Reports: 06/14/2018  
Number of Days to Update: 72

Source: Inyo County Environmental Health Services  
Telephone: 760-878-0238  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## KERN COUNTY:

### UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 01/31/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 70

Source: Kern County Environment Health Services Department  
Telephone: 661-862-8700  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## KINGS COUNTY:

### CUPA KINGS: CUPA Facility List

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

Date of Government Version: 02/13/2020  
Date Data Arrived at EDR: 02/14/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 70

Source: Kings County Department of Public Health  
Telephone: 559-584-1411  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## LAKE COUNTY:

### CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 01/15/2020  
Date Data Arrived at EDR: 01/16/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 76

Source: Lake County Environmental Health  
Telephone: 707-263-1164  
Last EDR Contact: 04/13/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Varies

## LASSEN COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/30/2020  
Date Data Arrived at EDR: 01/31/2020  
Date Made Active in Reports: 04/09/2020  
Number of Days to Update: 69

Source: Lassen County Environmental Health  
Telephone: 530-251-8528  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## LOS ANGELES COUNTY:

### AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

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: N/A  
Telephone: N/A  
Last EDR Contact: 06/10/2020  
Next Scheduled EDR Contact: 09/28/2020  
Data Release Frequency: No Update Planned

### HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/15/2020  
Date Data Arrived at EDR: 01/16/2020  
Date Made Active in Reports: 02/07/2020  
Number of Days to Update: 22

Source: Department of Public Works  
Telephone: 626-458-3517  
Last EDR Contact: 03/26/2020  
Next Scheduled EDR Contact: 07/20/2020  
Data Release Frequency: Semi-Annually

### LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/13/2020  
Date Data Arrived at EDR: 01/14/2020  
Date Made Active in Reports: 03/24/2020  
Number of Days to Update: 70

Source: La County Department of Public Works  
Telephone: 818-458-5185  
Last EDR Contact: 04/14/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Varies

### LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019  
Date Data Arrived at EDR: 01/15/2019  
Date Made Active in Reports: 03/07/2019  
Number of Days to Update: 51

Source: Engineering & Construction Division  
Telephone: 213-473-7869  
Last EDR Contact: 04/02/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Varies

### LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019  
Date Data Arrived at EDR: 06/25/2019  
Date Made Active in Reports: 08/22/2019  
Number of Days to Update: 58

Source: Los Angeles Fire Department  
Telephone: 213-978-3800  
Last EDR Contact: 03/27/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 04/30/2012	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 04/17/2019	Telephone: 626-458-6973
Date Made Active in Reports: 05/29/2019	Last EDR Contact: 04/17/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: No Update Planned

## LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 03/27/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Varies

## LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 03/27/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 07/06/2020
	Data Release Frequency: Varies

## SITE MIT LOS ANGELES: Site Mitigation List

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

Date of Government Version: 12/31/2019	Source: Community Health Services
Date Data Arrived at EDR: 01/14/2020	Telephone: 323-890-7806
Date Made Active in Reports: 03/24/2020	Last EDR Contact: 04/14/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: Annually

## UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017	Source: City of El Segundo Fire Department
Date Data Arrived at EDR: 04/19/2017	Telephone: 310-524-2236
Date Made Active in Reports: 05/10/2017	Last EDR Contact: 04/02/2020
Number of Days to Update: 21	Next Scheduled EDR Contact: 07/27/2020
	Data Release Frequency: No Update Planned

## UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019	Source: City of Long Beach Fire Department
Date Data Arrived at EDR: 04/23/2019	Telephone: 562-570-2563
Date Made Active in Reports: 06/27/2019	Last EDR Contact: 04/09/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank  
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 06/27/2019	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/30/2019	Telephone: 310-618-2973
Date Made Active in Reports: 10/02/2019	Last EDR Contact: 04/09/2020
Number of Days to Update: 64	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

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

Date of Government Version: 02/24/2020	Source: Madera County Environmental Health
Date Data Arrived at EDR: 02/25/2020	Telephone: 559-675-7823
Date Made Active in Reports: 05/07/2020	Last EDR Contact: 05/07/2020
Number of Days to Update: 72	Next Scheduled EDR Contact: 08/31/2020
	Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites  
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 03/20/2020
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List  
CUPA facility list.

Date of Government Version: 11/18/2019	Source: Merced County Environmental Health
Date Data Arrived at EDR: 11/20/2019	Telephone: 209-381-1094
Date Made Active in Reports: 01/03/2020	Last EDR Contact: 05/06/2020
Number of Days to Update: 44	Next Scheduled EDR Contact: 08/17/2020
	Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List  
CUPA Facility List

Date of Government Version: 02/21/2020	Source: Mono County Health Department
Date Data Arrived at EDR: 03/05/2020	Telephone: 760-932-5580
Date Made Active in Reports: 05/13/2020	Last EDR Contact: 05/15/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/07/2020
	Data Release Frequency: Varies

MONTEREY COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 11/06/2019  
Date Data Arrived at EDR: 11/07/2019  
Date Made Active in Reports: 01/08/2020  
Number of Days to Update: 62

Source: Monterey County Health Department  
Telephone: 831-796-1297  
Last EDR Contact: 04/13/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Varies

## NAPA COUNTY:

### LUST NAPA: Sites With Reported Contamination

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

Date of Government Version: 01/09/2017  
Date Data Arrived at EDR: 01/11/2017  
Date Made Active in Reports: 03/02/2017  
Number of Days to Update: 50

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: No Update Planned

### UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019  
Date Data Arrived at EDR: 09/09/2019  
Date Made Active in Reports: 10/31/2019  
Number of Days to Update: 52

Source: Napa County Department of Environmental Management  
Telephone: 707-253-4269  
Last EDR Contact: 05/15/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: No Update Planned

## NEVADA COUNTY:

### CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 02/05/2020  
Date Data Arrived at EDR: 02/06/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 69

Source: Community Development Agency  
Telephone: 530-265-1467  
Last EDR Contact: 05/06/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Varies

## ORANGE COUNTY:

### IND\_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 70

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/04/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Annually

### LUST ORANGE: List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 70

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/04/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UST ORANGE: List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 02/04/2020  
Date Made Active in Reports: 04/10/2020  
Number of Days to Update: 66

Source: Health Care Agency  
Telephone: 714-834-3446  
Last EDR Contact: 05/05/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## PLACER COUNTY:

### MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/02/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/13/2020  
Number of Days to Update: 71

Source: Placer County Health and Human Services  
Telephone: 530-745-2363  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Semi-Annually

## PLUMAS COUNTY:

### CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019  
Date Data Arrived at EDR: 04/23/2019  
Date Made Active in Reports: 06/26/2019  
Number of Days to Update: 64

Source: Plumas County Environmental Health  
Telephone: 530-283-6355  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## RIVERSIDE COUNTY:

### LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/10/2020  
Date Data Arrived at EDR: 03/11/2020  
Date Made Active in Reports: 05/20/2020  
Number of Days to Update: 70

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 02/10/2020  
Next Scheduled EDR Contact: 09/28/2020  
Data Release Frequency: Quarterly

### UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 03/10/2020  
Date Data Arrived at EDR: 03/11/2020  
Date Made Active in Reports: 05/20/2020  
Number of Days to Update: 70

Source: Department of Environmental Health  
Telephone: 951-358-5055  
Last EDR Contact: 06/10/2020  
Next Scheduled EDR Contact: 09/28/2020  
Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

### CS SACRAMENTO: Toxic Site Clean-Up List

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/14/2019  
Date Data Arrived at EDR: 12/23/2019  
Date Made Active in Reports: 02/20/2020  
Number of Days to Update: 59

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 03/31/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Quarterly

## ML SACRAMENTO: 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: 11/14/2019  
Date Data Arrived at EDR: 12/23/2019  
Date Made Active in Reports: 02/21/2020  
Number of Days to Update: 60

Source: Sacramento County Environmental Management  
Telephone: 916-875-8406  
Last EDR Contact: 03/31/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: Quarterly

## SAN BENITO COUNTY:

### CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 02/12/2020  
Date Data Arrived at EDR: 02/13/2020  
Date Made Active in Reports: 04/23/2020  
Number of Days to Update: 70

Source: San Benito County Environmental Health  
Telephone: N/A  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## SAN BERNARDINO COUNTY:

### PERMITS SAN BERNARDINO: Hazardous Material Permits

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

Date of Government Version: 02/25/2020  
Date Data Arrived at EDR: 02/26/2020  
Date Made Active in Reports: 05/07/2020  
Number of Days to Update: 71

Source: San Bernardino County Fire Department Hazardous Materials Division  
Telephone: 909-387-3041  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## SAN DIEGO COUNTY:

### HMMD SAN DIEGO: 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: 03/02/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/13/2020  
Number of Days to Update: 71

Source: Hazardous Materials Management Division  
Telephone: 619-338-2268  
Last EDR Contact: 06/02/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018  
Date Data Arrived at EDR: 04/24/2018  
Date Made Active in Reports: 06/19/2018  
Number of Days to Update: 56

Source: Department of Health Services  
Telephone: 619-338-2209  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 12/26/2019  
Date Data Arrived at EDR: 01/22/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 70

Source: Department of Environmental Health  
Telephone: 858-505-6874  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## SAN DIEGO CO SAM: 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: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: No Update Planned

## SAN FRANCISCO COUNTY:

### LUST SAN FRANCISCO: 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: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: No Update Planned

### UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 01/08/2020  
Date Data Arrived at EDR: 01/09/2020  
Date Made Active in Reports: 03/06/2020  
Number of Days to Update: 57

Source: Department of Public Health  
Telephone: 415-252-3920  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Quarterly

## SAN JOAQUIN COUNTY:

### UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018  
Date Data Arrived at EDR: 06/26/2018  
Date Made Active in Reports: 07/11/2018  
Number of Days to Update: 15

Source: Environmental Health Department  
Telephone: N/A  
Last EDR Contact: 06/10/2020  
Next Scheduled EDR Contact: 09/28/2020  
Data Release Frequency: Semi-Annually

## SAN LUIS OBISPO COUNTY:

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 02/18/2020  
Date Data Arrived at EDR: 02/20/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 64

Source: San Luis Obispo County Public Health Department  
Telephone: 805-781-5596  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## SAN MATEO COUNTY:

### BI SAN MATEO: Business Inventory

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

Date of Government Version: 02/20/2020  
Date Data Arrived at EDR: 02/20/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 02/20/2020  
Next Scheduled EDR Contact: 06/22/2020  
Data Release Frequency: Annually

### LUST SAN MATEO: Fuel Leak List

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

Date of Government Version: 03/29/2019  
Date Data Arrived at EDR: 03/29/2019  
Date Made Active in Reports: 05/29/2019  
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division  
Telephone: 650-363-1921  
Last EDR Contact: 06/03/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Semi-Annually

## SANTA BARBARA COUNTY:

### CUPA SANTA BARBARA: 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: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: No Update Planned

## SANTA CLARA COUNTY:

### CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 02/14/2020  
Date Data Arrived at EDR: 02/19/2020  
Date Made Active in Reports: 04/24/2020  
Number of Days to Update: 65

Source: Department of Environmental Health  
Telephone: 408-918-1973  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

### HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005  
Date Data Arrived at EDR: 03/30/2005  
Date Made Active in Reports: 04/21/2005  
Number of Days to Update: 22

Source: Santa Clara Valley Water District  
Telephone: 408-265-2600  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST SANTA CLARA: 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: 05/15/2020  
Next Scheduled EDR Contact: 09/07/2020  
Data Release Frequency: No Update Planned

## SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 04/22/2020  
Date Data Arrived at EDR: 04/24/2020  
Date Made Active in Reports: 05/07/2020  
Number of Days to Update: 13

Source: City of San Jose Fire Department  
Telephone: 408-535-7694  
Last EDR Contact: 04/23/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Annually

## SANTA CRUZ COUNTY:

### CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 05/23/2017  
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health  
Telephone: 831-464-2761  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## SHASTA COUNTY:

### CUPA SHASTA: CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017  
Date Data Arrived at EDR: 06/19/2017  
Date Made Active in Reports: 08/09/2017  
Number of Days to Update: 51

Source: Shasta County Department of Resource Management  
Telephone: 530-225-5789  
Last EDR Contact: 05/07/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Varies

## SOLANO COUNTY:

### LUST SOLANO: Leaking Underground Storage Tanks

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

Date of Government Version: 06/04/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 08/13/2019  
Number of Days to Update: 68

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 05/26/2020  
Next Scheduled EDR Contact: 09/13/2020  
Data Release Frequency: Quarterly

### UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/02/2020  
Date Data Arrived at EDR: 03/04/2020  
Date Made Active in Reports: 05/14/2020  
Number of Days to Update: 71

Source: Solano County Department of Environmental Management  
Telephone: 707-784-6770  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Quarterly

## SONOMA COUNTY:



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 02/25/2020  
Date Data Arrived at EDR: 02/26/2020  
Date Made Active in Reports: 03/11/2020  
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department  
Telephone: 707-565-1174  
Last EDR Contact: 03/18/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Varies

## LUST SONOMA: Leaking Underground Storage Tank Sites

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

Date of Government Version: 01/02/2020  
Date Data Arrived at EDR: 01/03/2020  
Date Made Active in Reports: 03/05/2020  
Number of Days to Update: 62

Source: Department of Health Services  
Telephone: 707-565-6565  
Last EDR Contact: 04/06/2020  
Next Scheduled EDR Contact: 07/06/2020  
Data Release Frequency: Quarterly

## STANISLAUS COUNTY:

### CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/04/2020  
Date Data Arrived at EDR: 02/05/2020  
Date Made Active in Reports: 04/15/2020  
Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection  
Telephone: 209-525-6751  
Last EDR Contact: 04/02/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Varies

## SUTTER COUNTY:

### UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 01/23/2020  
Date Data Arrived at EDR: 03/03/2020  
Date Made Active in Reports: 05/08/2020  
Number of Days to Update: 66

Source: Sutter County Environmental Health Services  
Telephone: 530-822-7500  
Last EDR Contact: 05/27/2020  
Next Scheduled EDR Contact: 09/14/2020  
Data Release Frequency: Semi-Annually

## TEHAMA COUNTY:

### CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 03/16/2020  
Date Data Arrived at EDR: 03/17/2020  
Date Made Active in Reports: 05/26/2020  
Number of Days to Update: 70

Source: Tehama County Department of Environmental Health  
Telephone: 530-527-8020  
Last EDR Contact: 05/14/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## TRINITY COUNTY:

### CUPA TRINITY: CUPA Facility List Cupa facility list

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/21/2020  
Date Data Arrived at EDR: 01/23/2020  
Date Made Active in Reports: 03/30/2020  
Number of Days to Update: 67

Source: Department of Toxic Substances Control  
Telephone: 760-352-0381  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## TULARE COUNTY:

### CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 02/10/2020  
Date Data Arrived at EDR: 02/11/2020  
Date Made Active in Reports: 04/20/2020  
Number of Days to Update: 69

Source: Tulare County Environmental Health Services Division  
Telephone: 559-624-7400  
Last EDR Contact: 05/14/2020  
Next Scheduled EDR Contact: 08/17/2020  
Data Release Frequency: Varies

## TUOLUMNE COUNTY:

### CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018  
Date Data Arrived at EDR: 04/25/2018  
Date Made Active in Reports: 06/25/2018  
Number of Days to Update: 61

Source: Divison of Environmental Health  
Telephone: 209-533-5633  
Last EDR Contact: 04/09/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Varies

## VENTURA COUNTY:

### BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/26/2019  
Date Data Arrived at EDR: 01/24/2020  
Date Made Active in Reports: 04/01/2020  
Number of Days to Update: 68

Source: Ventura County Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 04/20/2020  
Next Scheduled EDR Contact: 08/03/2020  
Data Release Frequency: Quarterly

### LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011  
Date Data Arrived at EDR: 12/01/2011  
Date Made Active in Reports: 01/19/2012  
Number of Days to Update: 49

Source: Environmental Health Division  
Telephone: 805-654-2813  
Last EDR Contact: 03/20/2020  
Next Scheduled EDR Contact: 07/13/2020  
Data Release Frequency: No Update Planned

### LUST VENTURA: 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: 04/29/2020  
Next Scheduled EDR Contact: 08/24/2020  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/26/2019	Source: Ventura County Resource Management Agency
Date Data Arrived at EDR: 01/24/2020	Telephone: 805-654-2813
Date Made Active in Reports: 04/01/2020	Last EDR Contact: 04/20/2020
Number of Days to Update: 68	Next Scheduled EDR Contact: 08/03/2020
	Data Release Frequency: Quarterly

## UST VENTURA: Underground Tank Closed Sites List

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

Date of Government Version: 01/27/2020	Source: Environmental Health Division
Date Data Arrived at EDR: 03/10/2020	Telephone: 805-654-2813
Date Made Active in Reports: 05/20/2020	Last EDR Contact: 06/09/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/21/2020
	Data Release Frequency: Quarterly

## YOLO COUNTY:

### UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 12/12/2019	Source: Yolo County Department of Health
Date Data Arrived at EDR: 01/15/2020	Telephone: 530-666-8646
Date Made Active in Reports: 03/25/2020	Last EDR Contact: 03/20/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 07/13/2020
	Data Release Frequency: Annually

## YUBA COUNTY:

### CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 01/27/2020	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 02/12/2020	Telephone: 530-749-7523
Date Made Active in Reports: 04/23/2020	Last EDR Contact: 04/16/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 08/10/2020
	Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/30/2020	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 01/30/2020	Telephone: 860-424-3375
Date Made Active in Reports: 03/09/2020	Last EDR Contact: 05/12/2020
Number of Days to Update: 39	Next Scheduled EDR Contact: 08/24/2020
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 04/10/2019  
Date Made Active in Reports: 05/16/2019  
Number of Days to Update: 36

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 04/10/2020  
Next Scheduled EDR Contact: 07/20/2020  
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: 01/01/2019  
Date Data Arrived at EDR: 05/01/2019  
Date Made Active in Reports: 06/21/2019  
Number of Days to Update: 51

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 04/29/2020  
Next Scheduled EDR Contact: 08/10/2020  
Data Release Frequency: Quarterly

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018  
Date Data Arrived at EDR: 07/19/2019  
Date Made Active in Reports: 09/10/2019  
Number of Days to Update: 53

Source: Department of Environmental Protection  
Telephone: 717-783-8990  
Last EDR Contact: 04/02/2020  
Next Scheduled EDR Contact: 07/27/2020  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 10/02/2019  
Date Made Active in Reports: 12/10/2019  
Number of Days to Update: 69

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 05/14/2020  
Next Scheduled EDR Contact: 08/31/2020  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 06/19/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 76

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 06/04/2020  
Next Scheduled EDR Contact: 09/21/2020  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

## Electric Power Transmission Line Data

Source: Endeavor Business Media

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

## Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

## Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

## State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

## STREET AND ADDRESS INFORMATION

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**PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT**

Appendix E Historical Records  
July 20, 2020

Appendix E HISTORICAL RECORDS



**Date EDR Searched Historical Sources:**

Aerial Photography June 19, 2020

**Target Property:**

64NB 8me, LLC, Aratina Gen-tie

Boron, CA 93516

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1953	Aerial Photograph. Scale: 1:20000	Flight Year: 1953	USDA
1972	Aerial Photograph. Scale: 1:34000	Flight Year: 1972	USDA
1984	Aerial Photograph. Scale: 1:58000	Flight Year: 1984	USDA
1994-1995	Aerial Photograph. Scale: 1 Meter GSD	Flight Year: 1994-1995	DOQQ/NAPP
2005	Aerial Photograph. Scale: 1 Meter GSD	Flight Year: 2005	USDA/NAIP
2009	Aerial Photograph. Scale: 1 Meter GSD	Flight Year: 2009	USDA/NAIP
2012	Aerial Photograph. Scale: 1 Meter GSD	Flight Year: 2012	USDA/NAIP
2016	Aerial Photograph. Scale: .6 Meter GSD	Flight Year: 2016	USDA/NAIP

1953

This is a black and white aerial photograph of a landscape, possibly a coastal or island area. The terrain is characterized by a complex pattern of ridges and valleys, with some areas appearing more densely vegetated or forested. A prominent grid of thin lines is overlaid on the image, likely representing a survey or mapping grid. The grid consists of several vertical and horizontal lines. In the top left corner, there is some faint, illegible text, possibly a reference number or coordinate. In the bottom left corner, the year '1953' is printed in a bold, black font. The overall image has a grainy, historical quality.

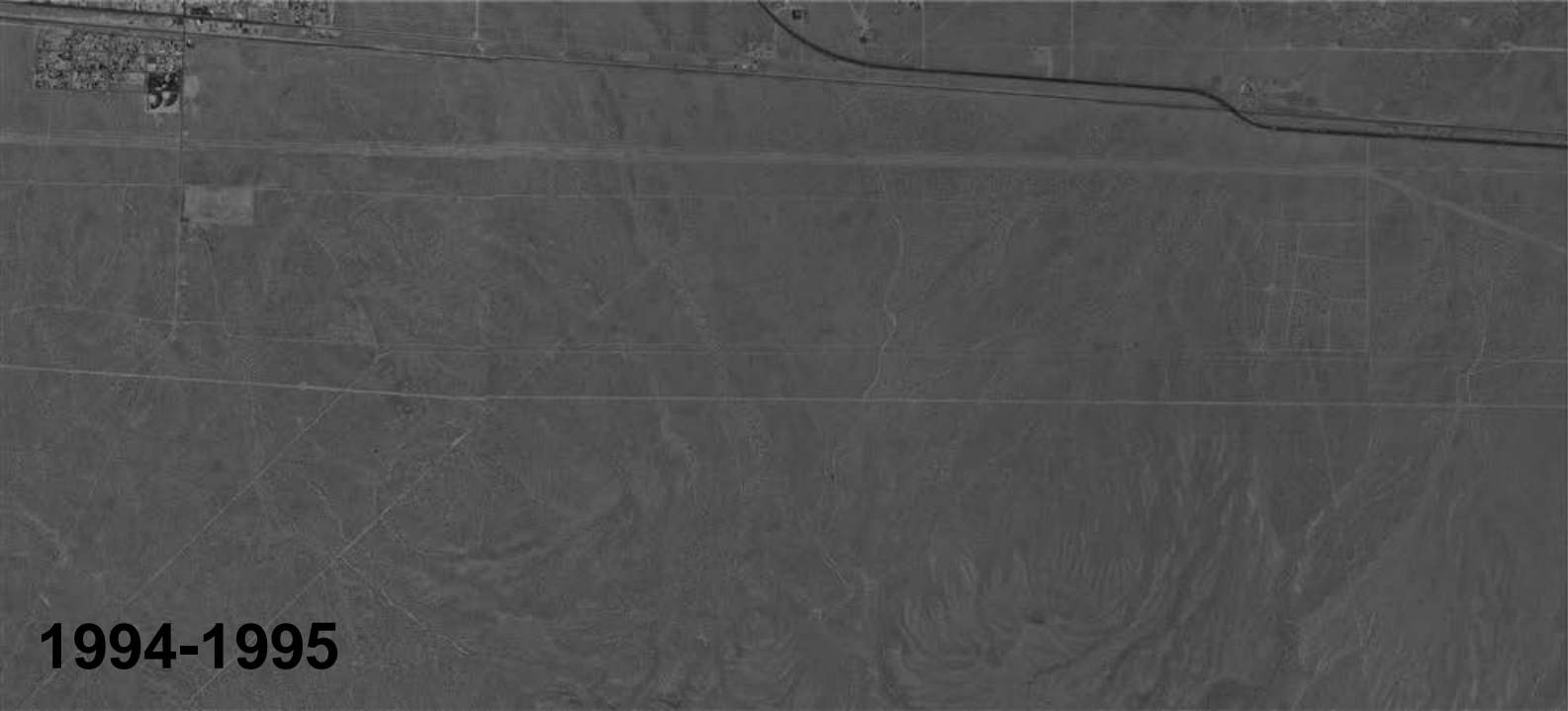


An aerial photograph showing a landscape with a grid overlay. A prominent road or path winds across the scene from the top left towards the right. The terrain appears to be a mix of open fields and some wooded areas. There are some small structures or buildings visible in the upper right quadrant. The overall image has a grainy, historical quality.

**1972**

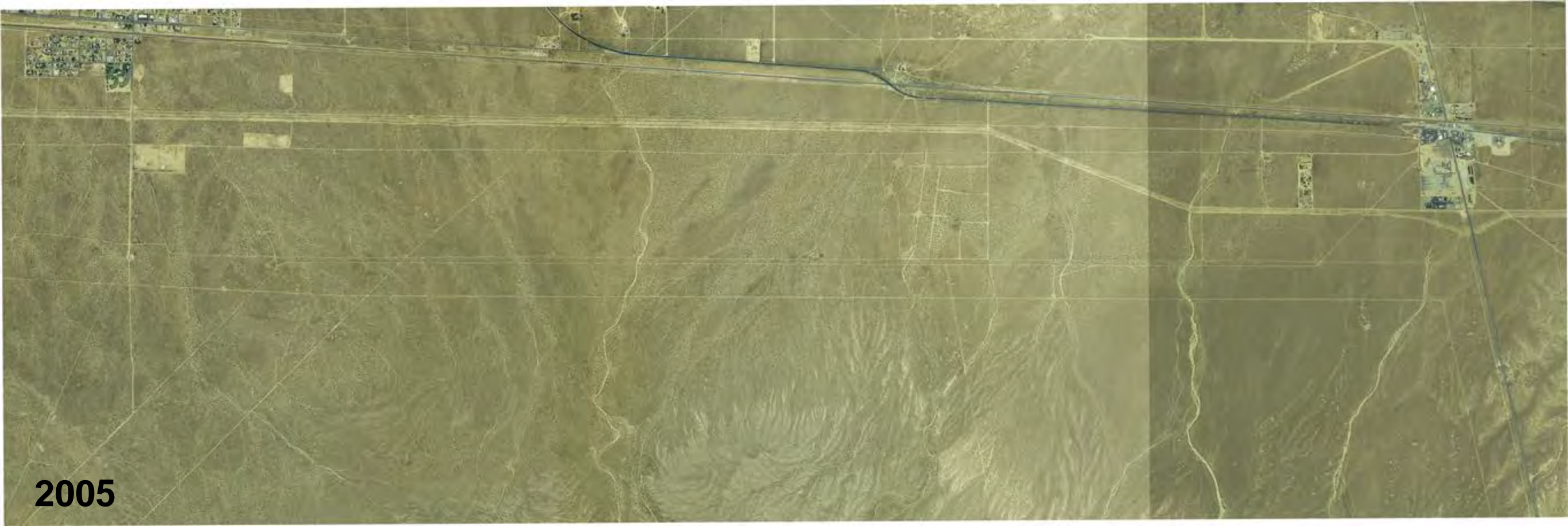


1984

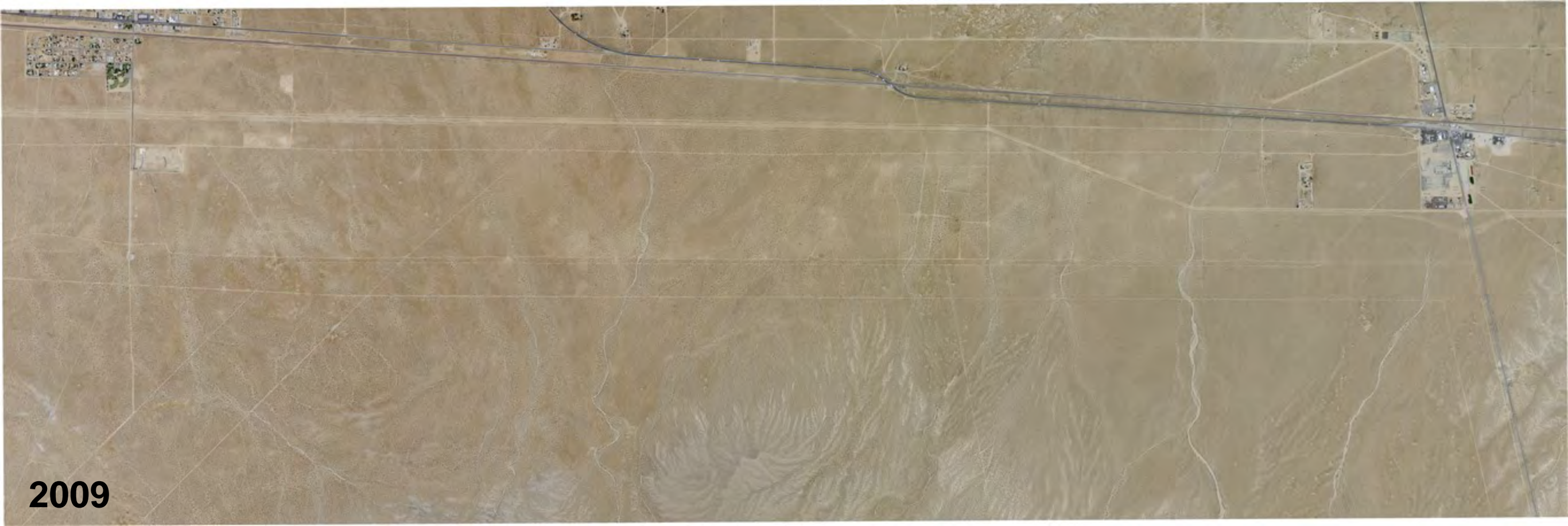


**1994-1995**






2005



2009

An aerial photograph showing a vast agricultural landscape. The terrain is divided into numerous rectangular plots, likely for crop cultivation. A prominent road or canal runs horizontally across the upper portion of the image. In the top right corner, there is a small cluster of buildings and structures. The overall color palette is dominated by shades of brown and tan, suggesting a dry or semi-arid environment. The year '2012' is printed in the bottom left corner.

**2012**



2016

64NB 8me, LLC, Aratina Gen-tie

64NB 8me, LLC, Aratina Gen-tie

Boron, CA 93516

Inquiry Number: 6089723.5

June 15, 2020

## EDR Historical Topo Map Report

with QuadMatch™



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



# EDR Historical Topo Map Report

06/15/20

**Site Name:**

64NB 8me, LLC, Aratina Gen-t  
64NB 8me, LLC, Aratina Gen-t  
Boron, CA 93516  
EDR Inquiry # 6089723.5

**Client Name:**

Stantec  
735 E. Carnegie Drive, Suite 280  
SAN BERNARDINO, CA 92408  
Contact: Dion Monge



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Stantec were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

**Search Results:****Coordinates:**

<b>P.O.#</b>	NA	<b>Latitude:</b>	34.98314 34° 58' 59" North
<b>Project:</b>	185804366	<b>Longitude:</b>	-117.58467 -117° 35' 5" West
		<b>UTM Zone:</b>	Zone 11 North
		<b>UTM X Meters:</b>	446636.63
		<b>UTM Y Meters:</b>	3871329.46
		<b>Elevation:</b>	2549.91' above sea level

**Maps Provided:**

2012  
1973  
1954, 1956  
1947  
1942  
1937

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## Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

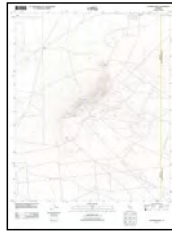
### 2012 Source Sheets



Kramer Junction  
2012  
7.5-minute, 24000



Saddleback Mountain  
2012  
7.5-minute, 24000



Leuhman Ridge  
2012  
7.5-minute, 24000



Boron  
2012  
7.5-minute, 24000

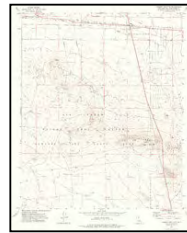
### 1973 Source Sheets



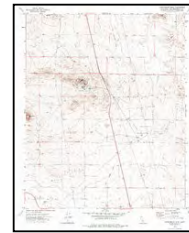
Leuhman Ridge  
1973  
7.5-minute, 24000  
Aerial Photo Revised 1972



Boron  
1973  
7.5-minute, 24000  
Aerial Photo Revised 1972



Kramer Junction  
1973  
7.5-minute, 24000  
Aerial Photo Revised 1972



Saddleback Mtn  
1973  
7.5-minute, 24000  
Aerial Photo Revised 1972

### 1954, 1956 Source Sheets



Boron  
1954  
15-minute, 62500  
Aerial Photo Revised 1952



Kramer  
1956  
15-minute, 62500  
Aerial Photo Revised 1953

### 1947 Source Sheets



Kramer  
1947  
7.5-minute, 24000  
Aerial Photo Revised 1946



Johannesburg SW  
1947  
7.5-minute, 24000  
Aerial Photo Revised 1946



Rich  
1947  
7.5-minute, 24000  
Aerial Photo Revised 1946

## **Topo Sheet Key**

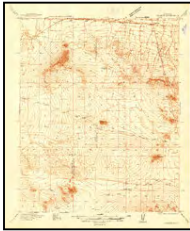
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

### **1942 Source Sheets**

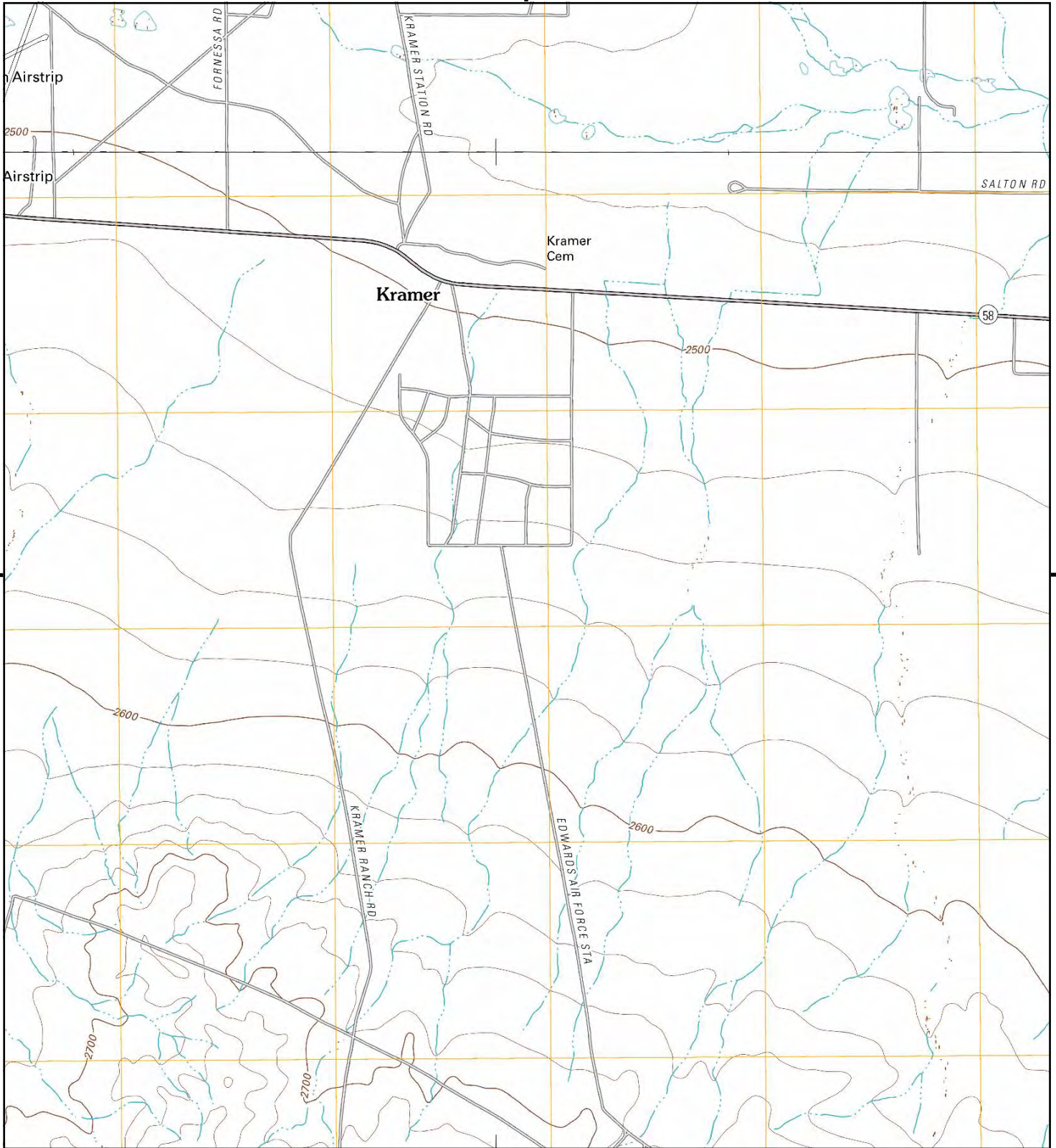


Kramer  
1942  
15-minute, 62500

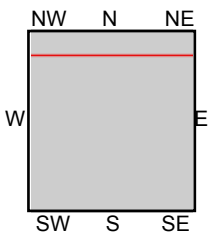
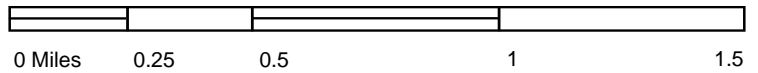
### **1937 Source Sheets**



Kramer  
1937  
15-minute, 48000



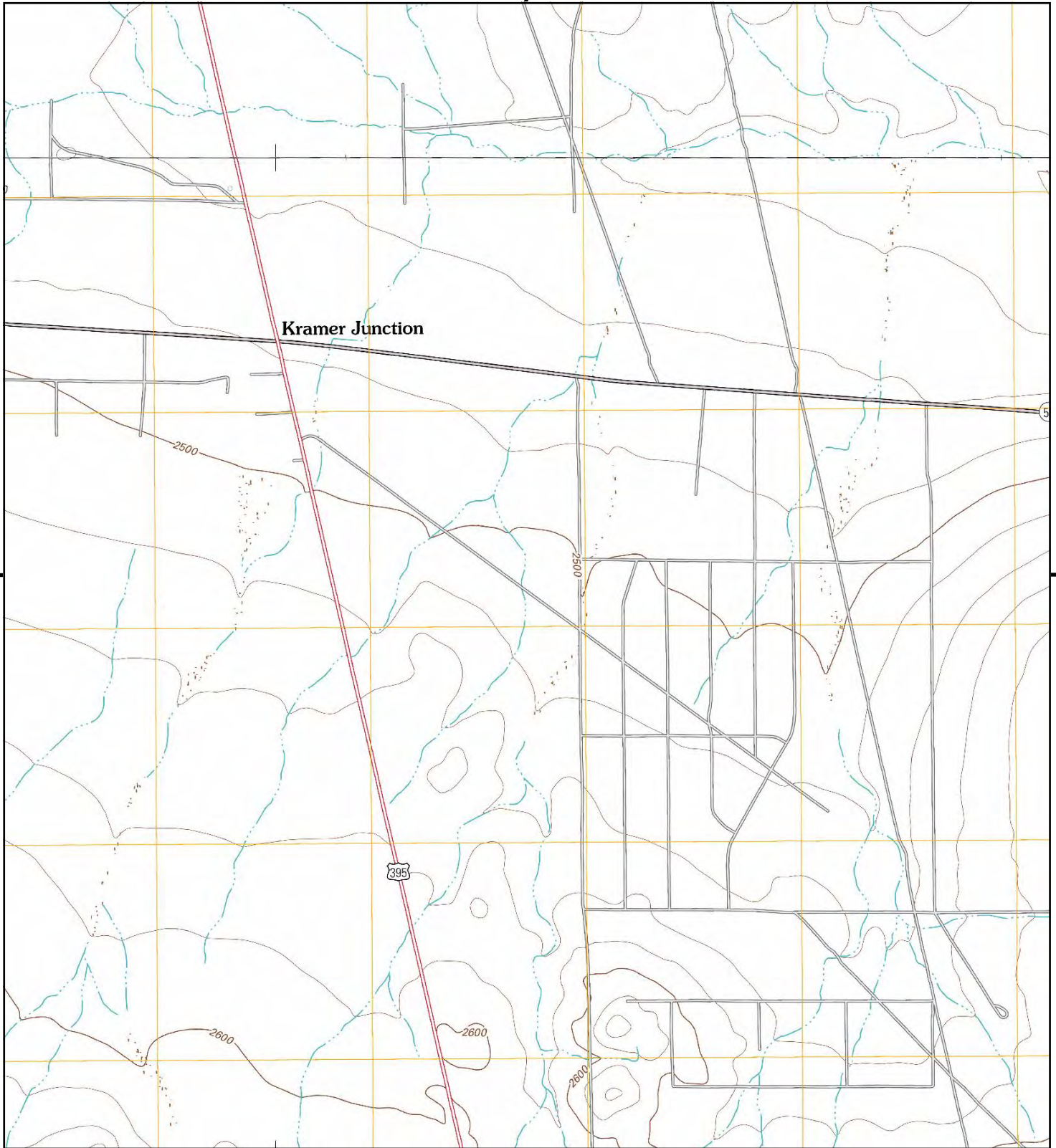
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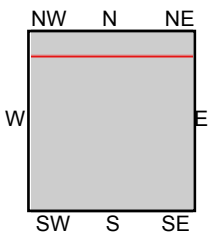
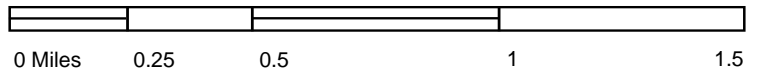
TP, Kramer Junction, 2012, 7.5-minute  
 N, Saddleback Mountain, 2012, 7.5-minute

**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
 Boron, CA 93516  
**CLIENT:** Stantec





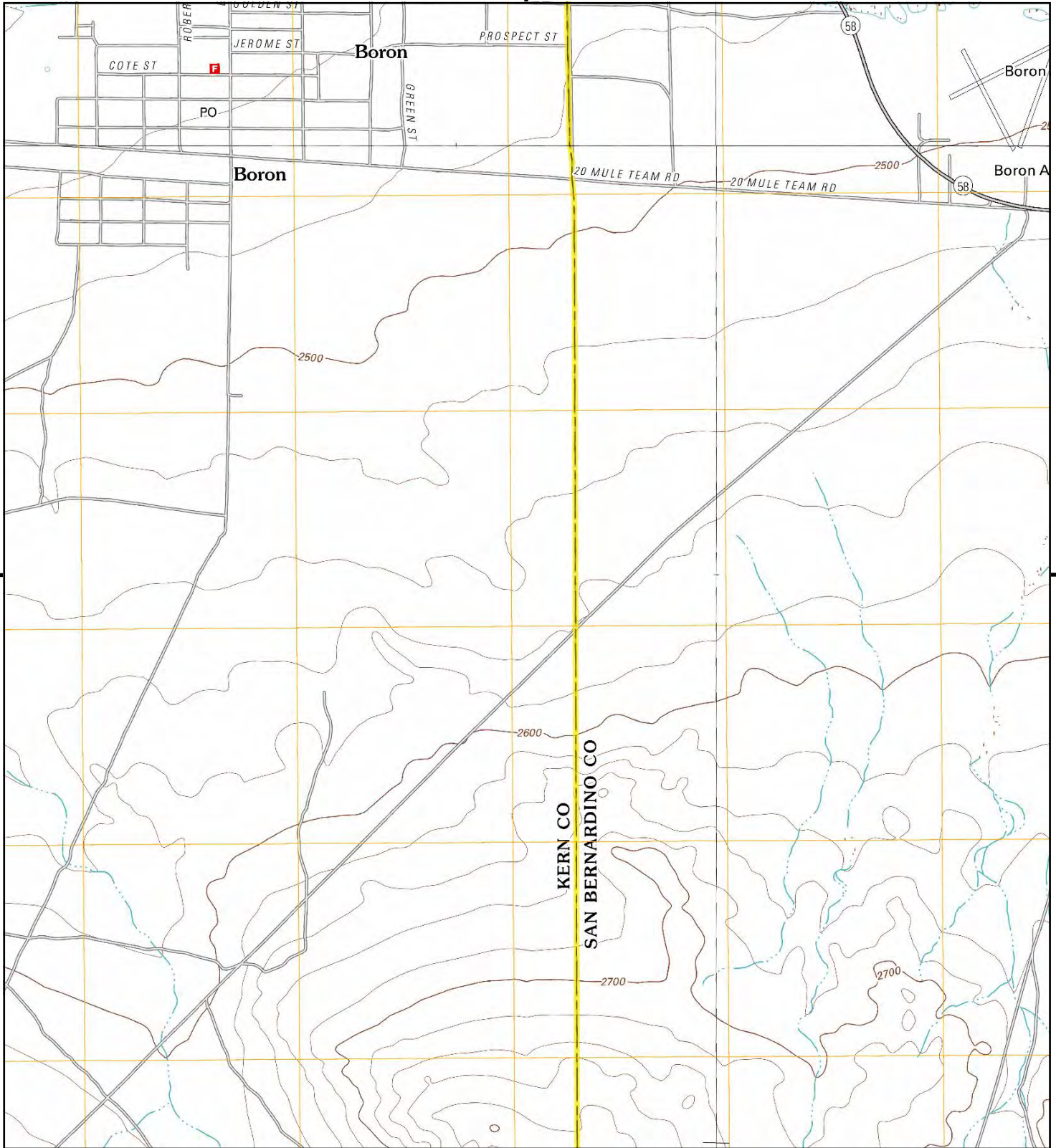
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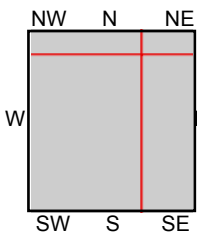
TP, Kramer Junction, 2012, 7.5-minute  
N, Saddleback Mountain, 2012, 7.5-minute

**SITE NAME:** 64NB 8me, LLC, Aratina Gen-tie  
**ADDRESS:** 64NB 8me, LLC, Aratina Gen-tie  
Boron, CA 93516  
**CLIENT:** Stantec





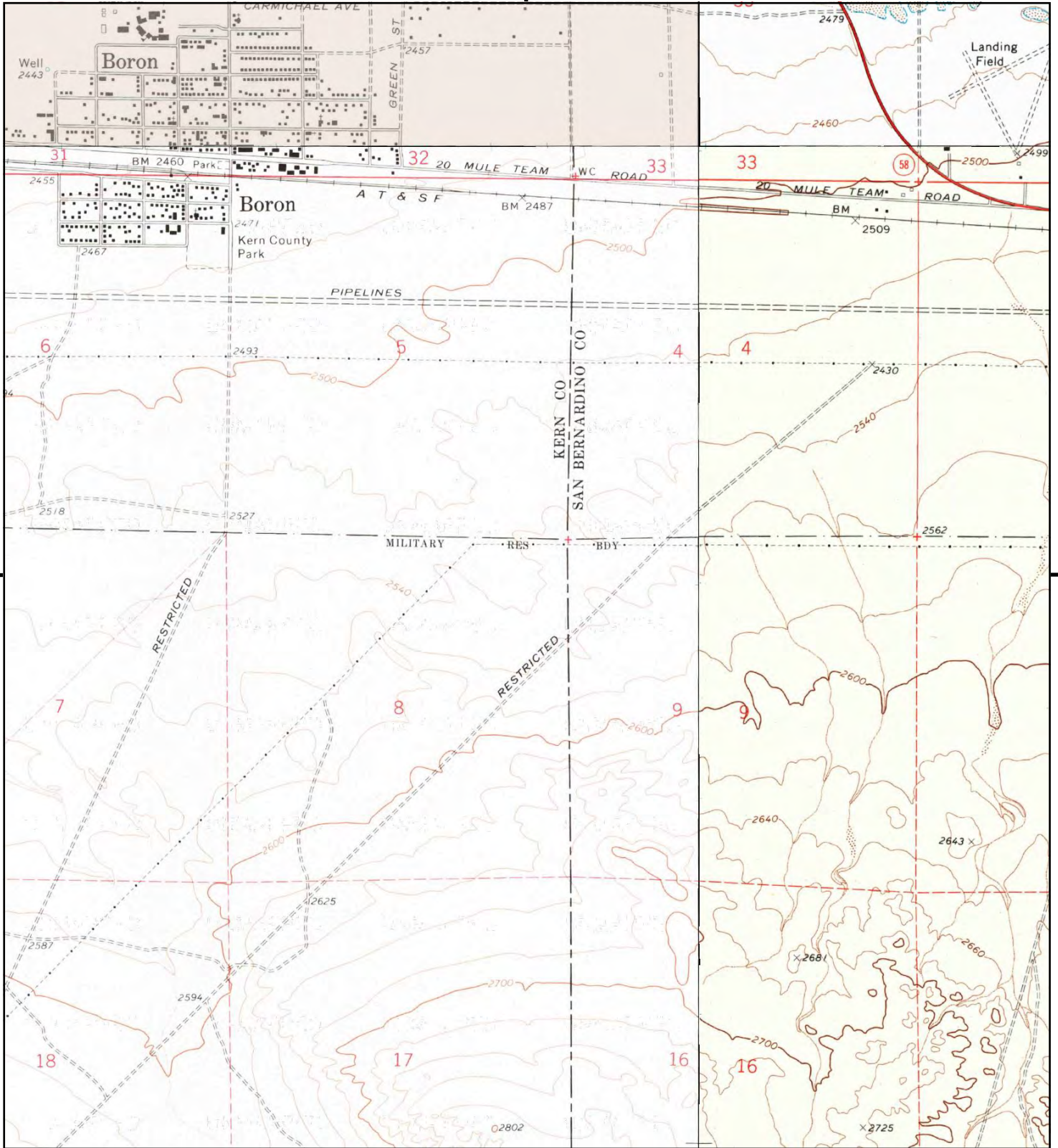
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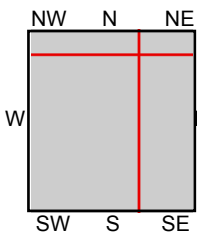
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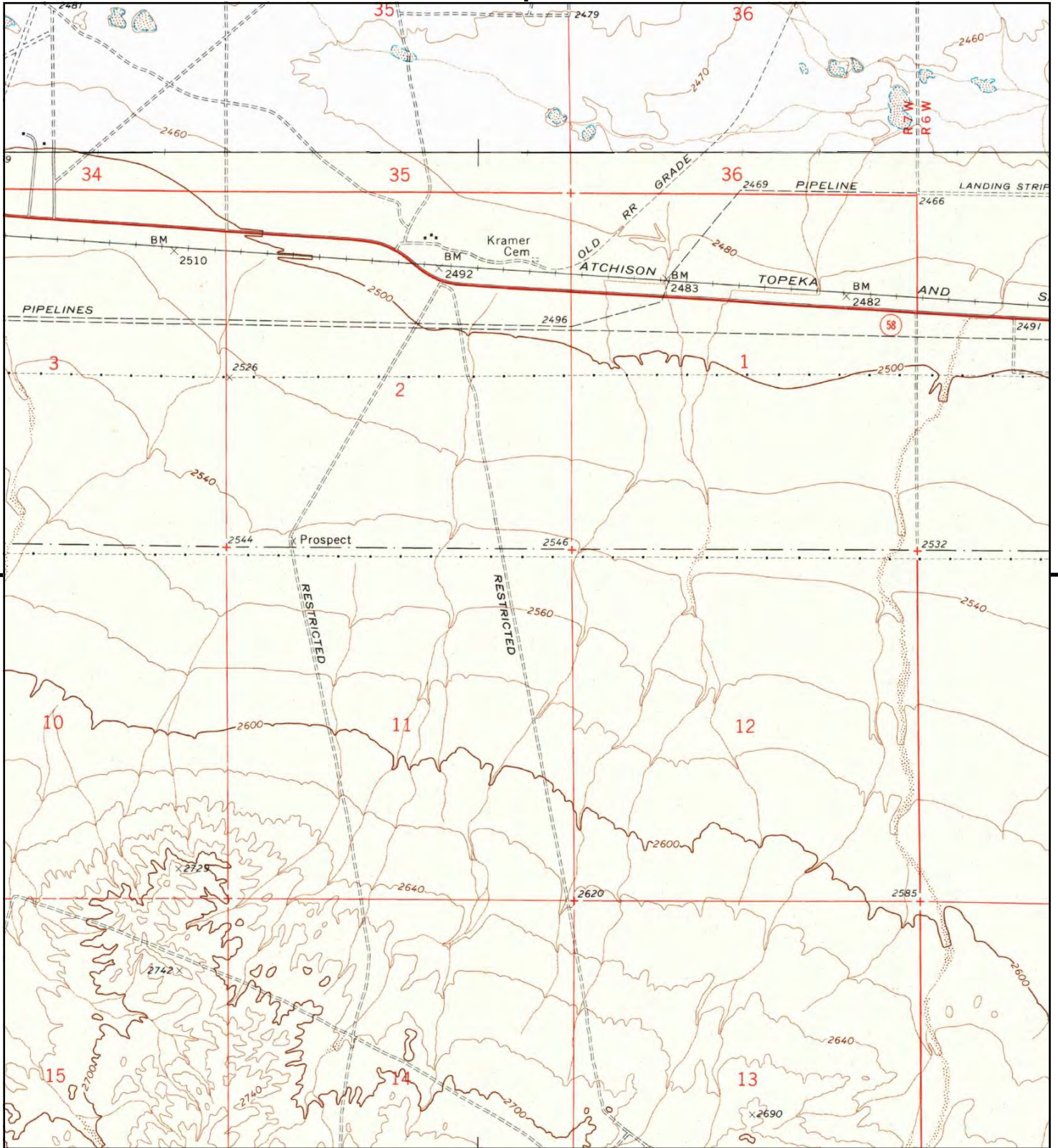
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**CLIENT:** Stantec

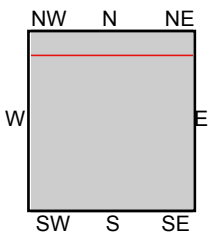








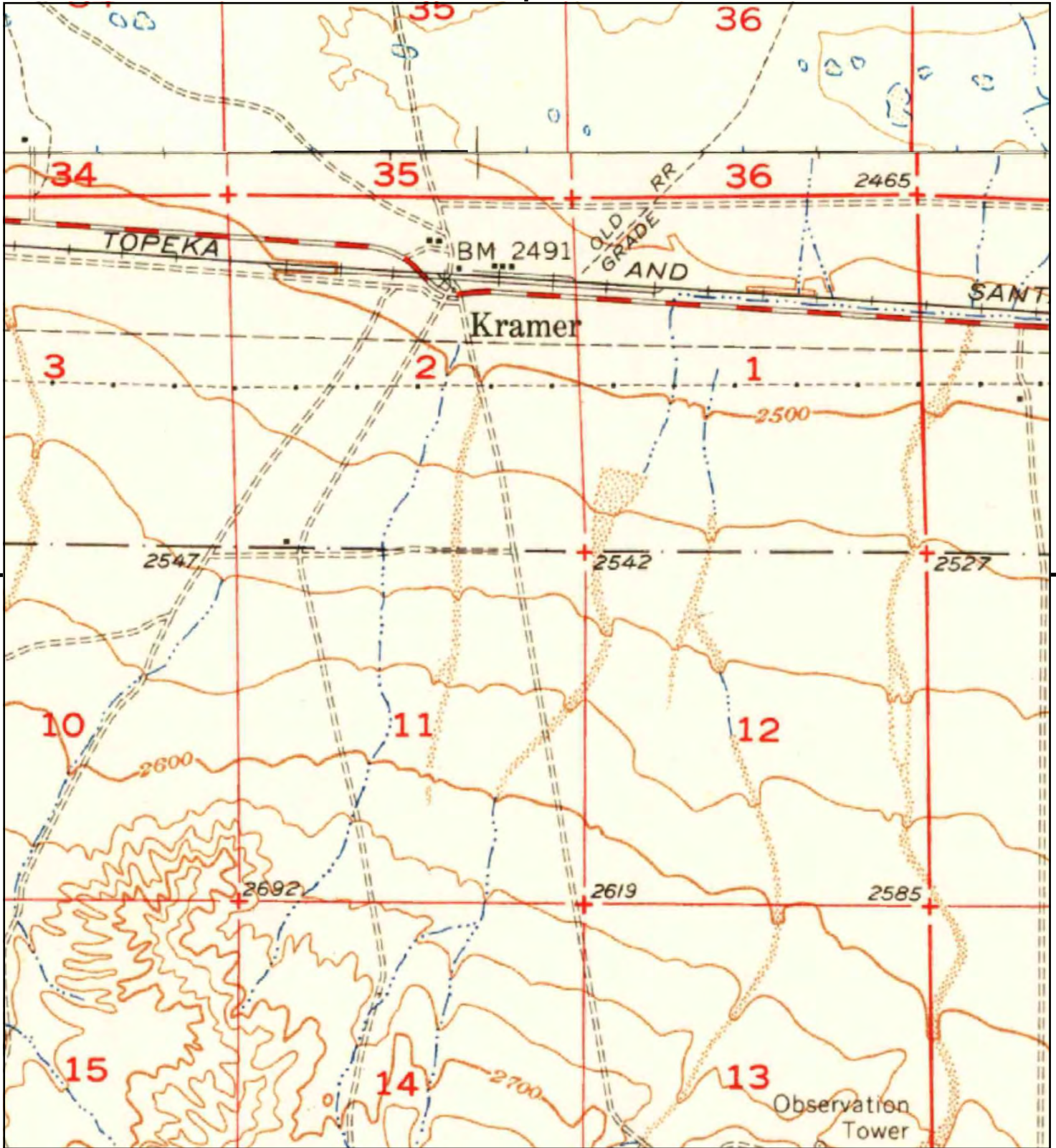
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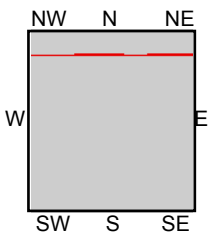
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Boron, CA 93516  
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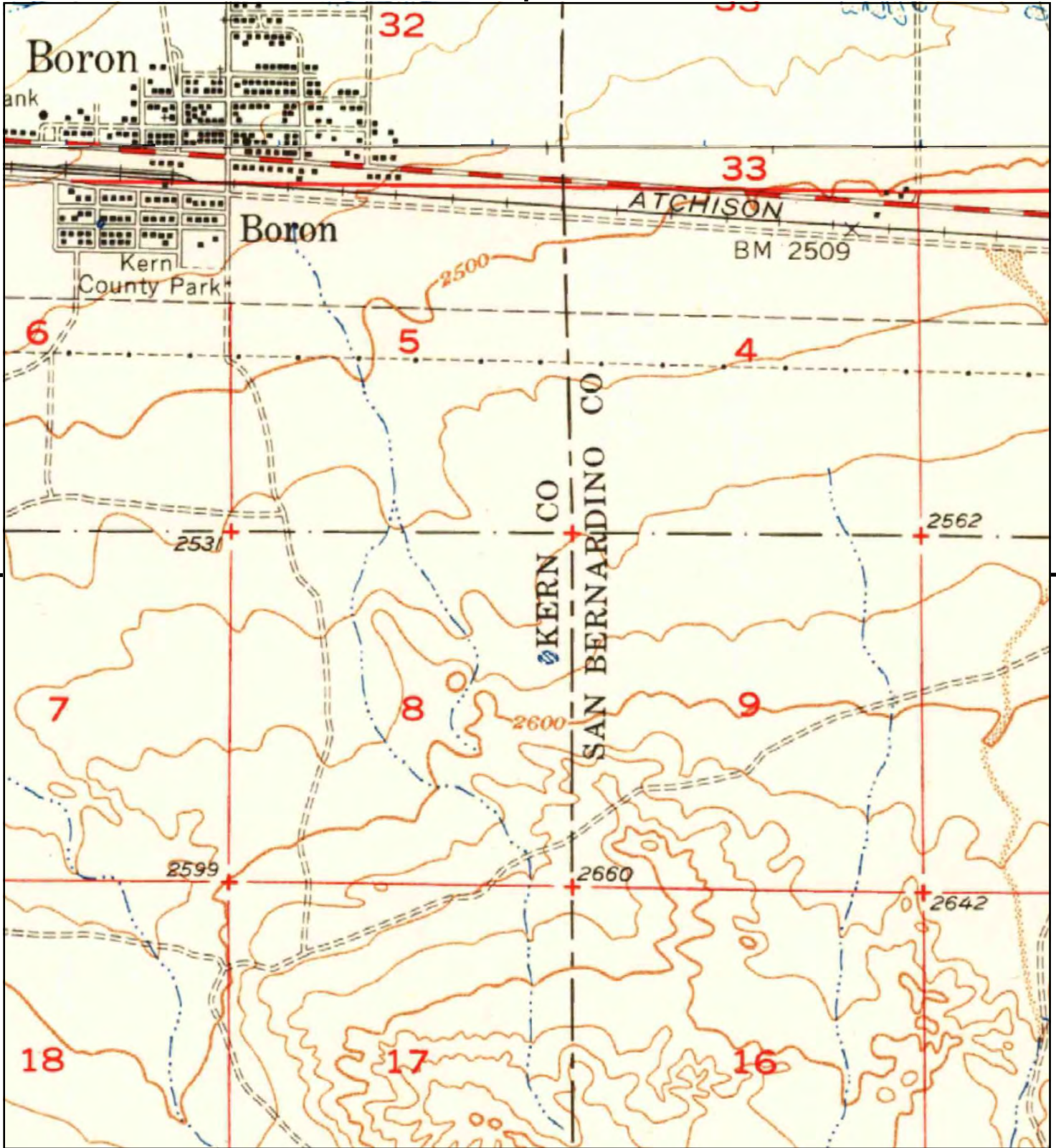
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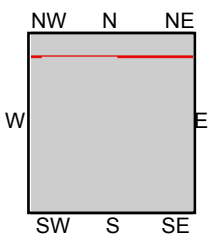
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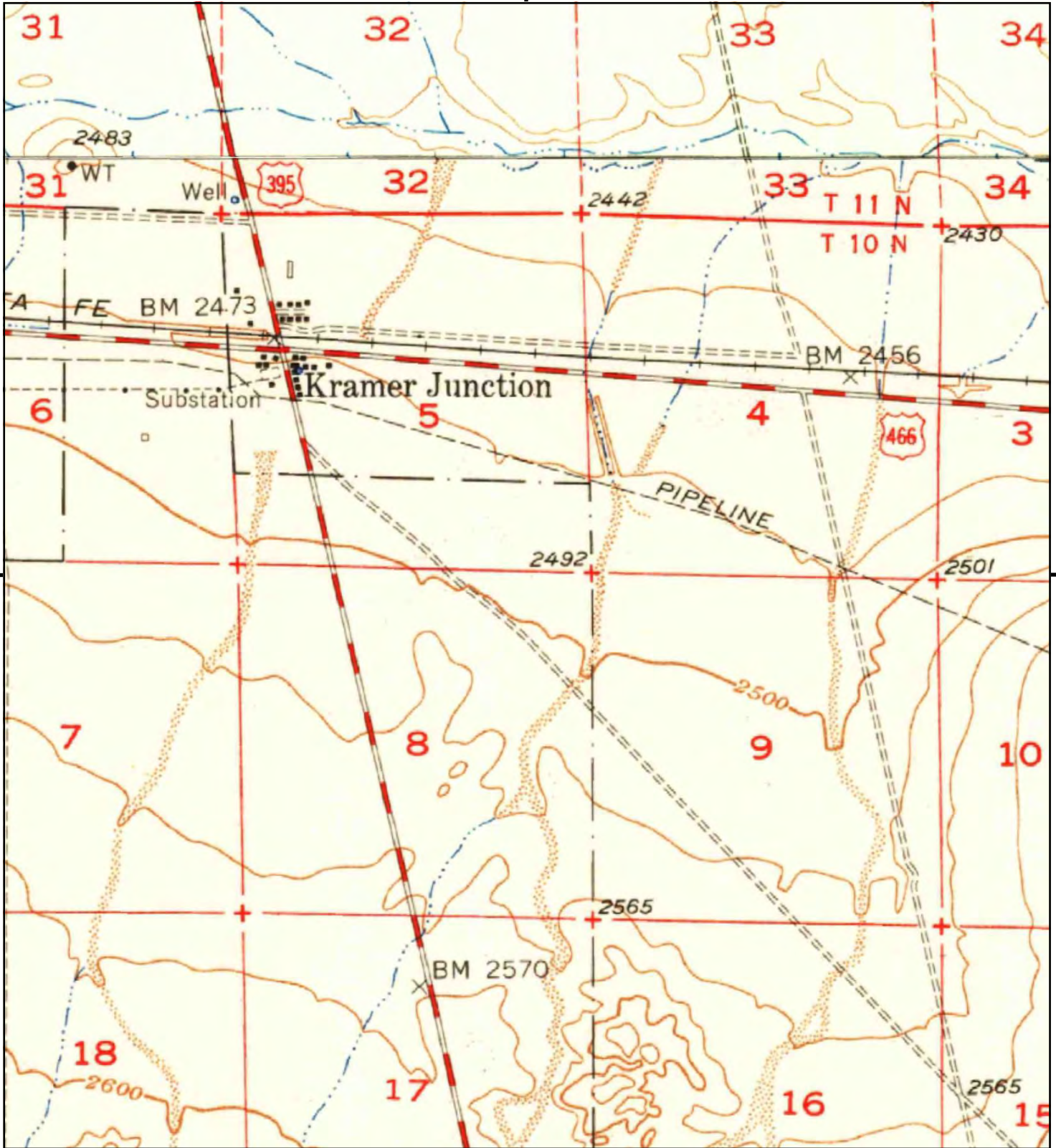
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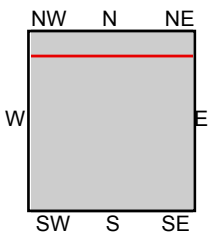
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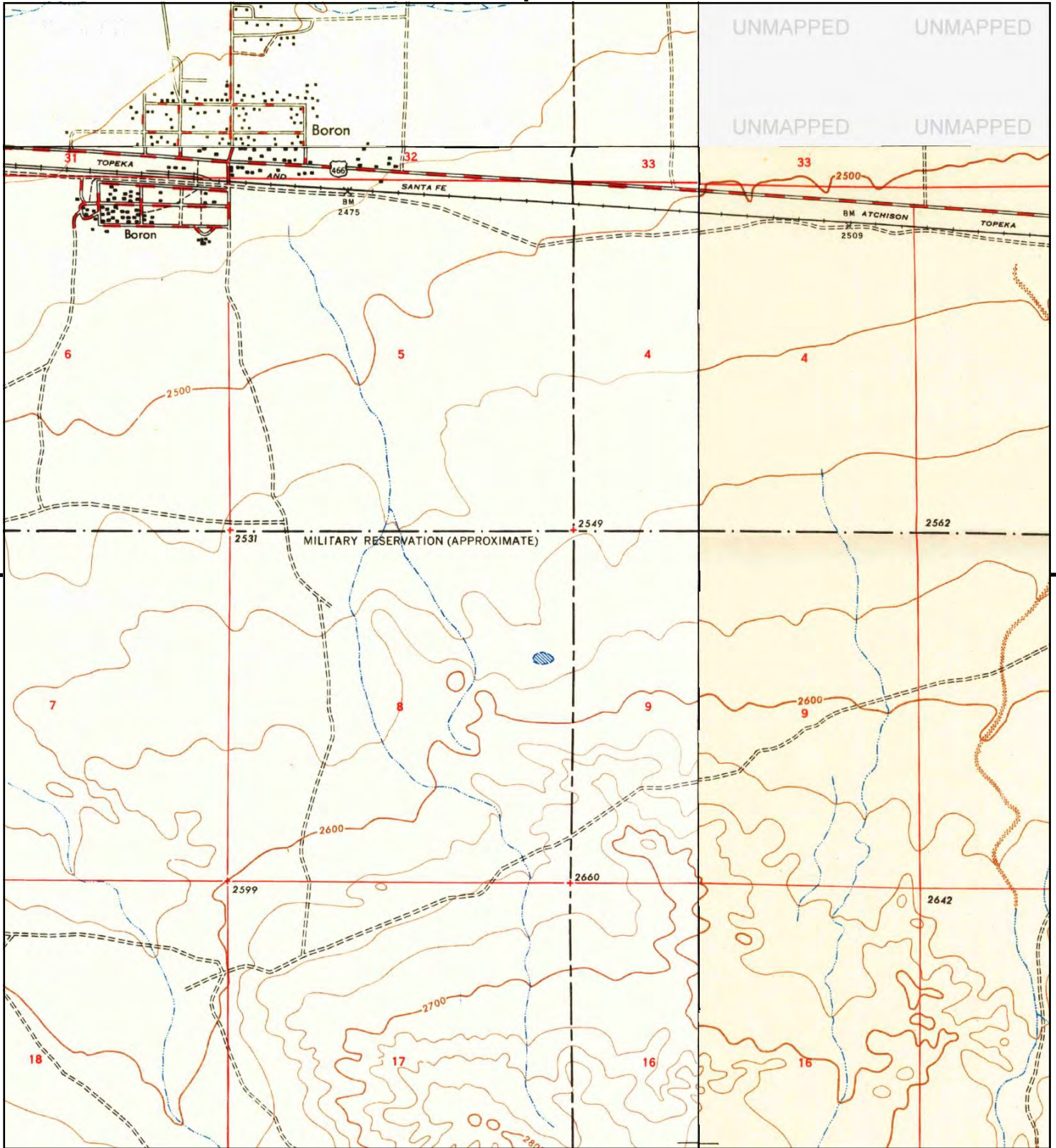
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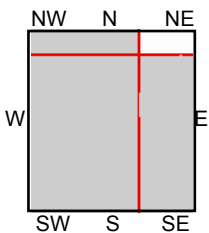
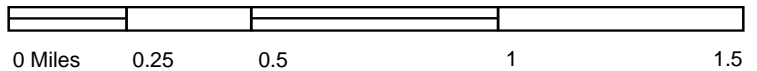
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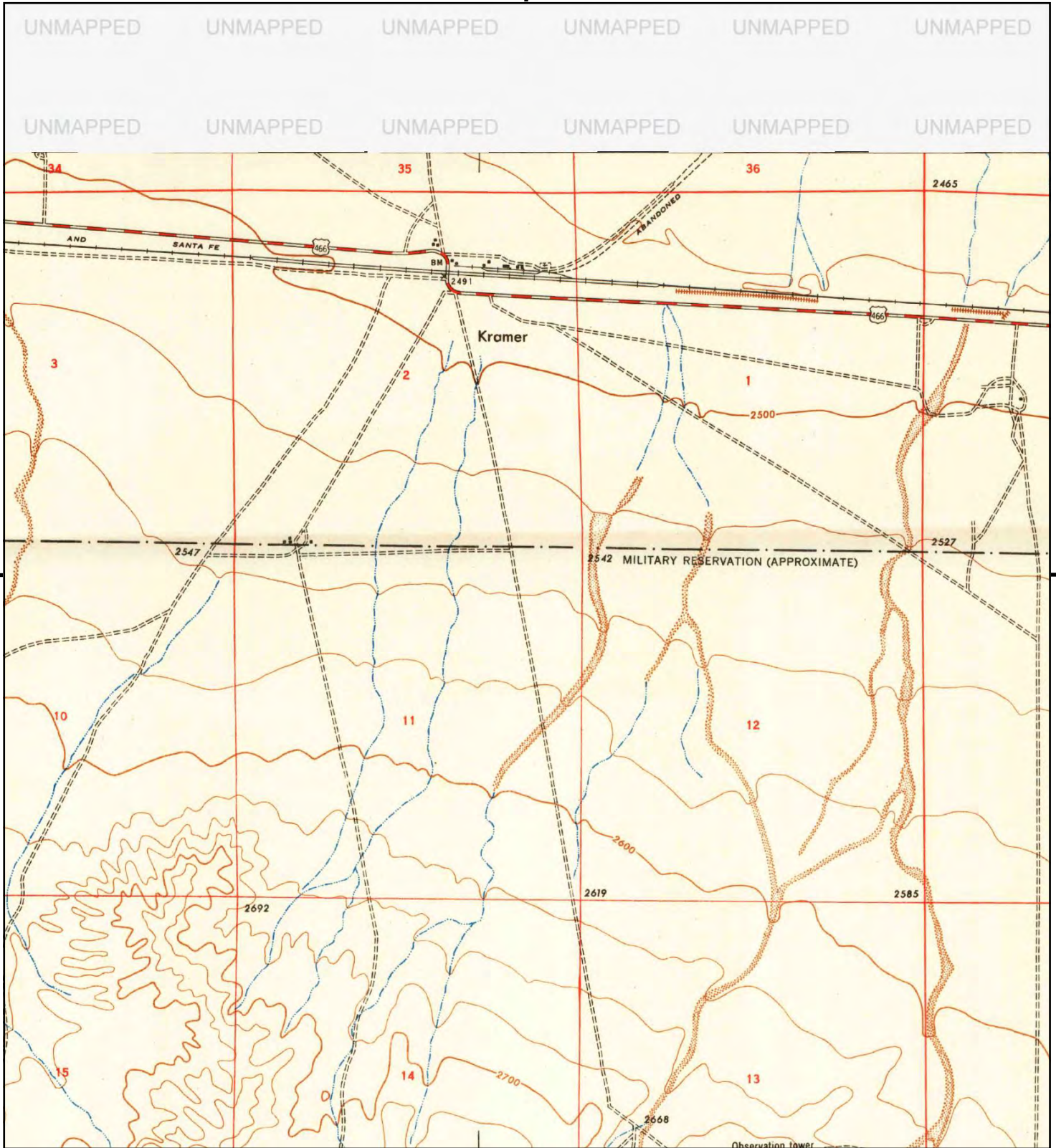
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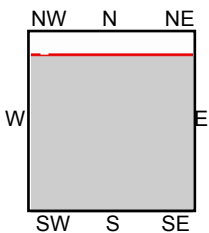
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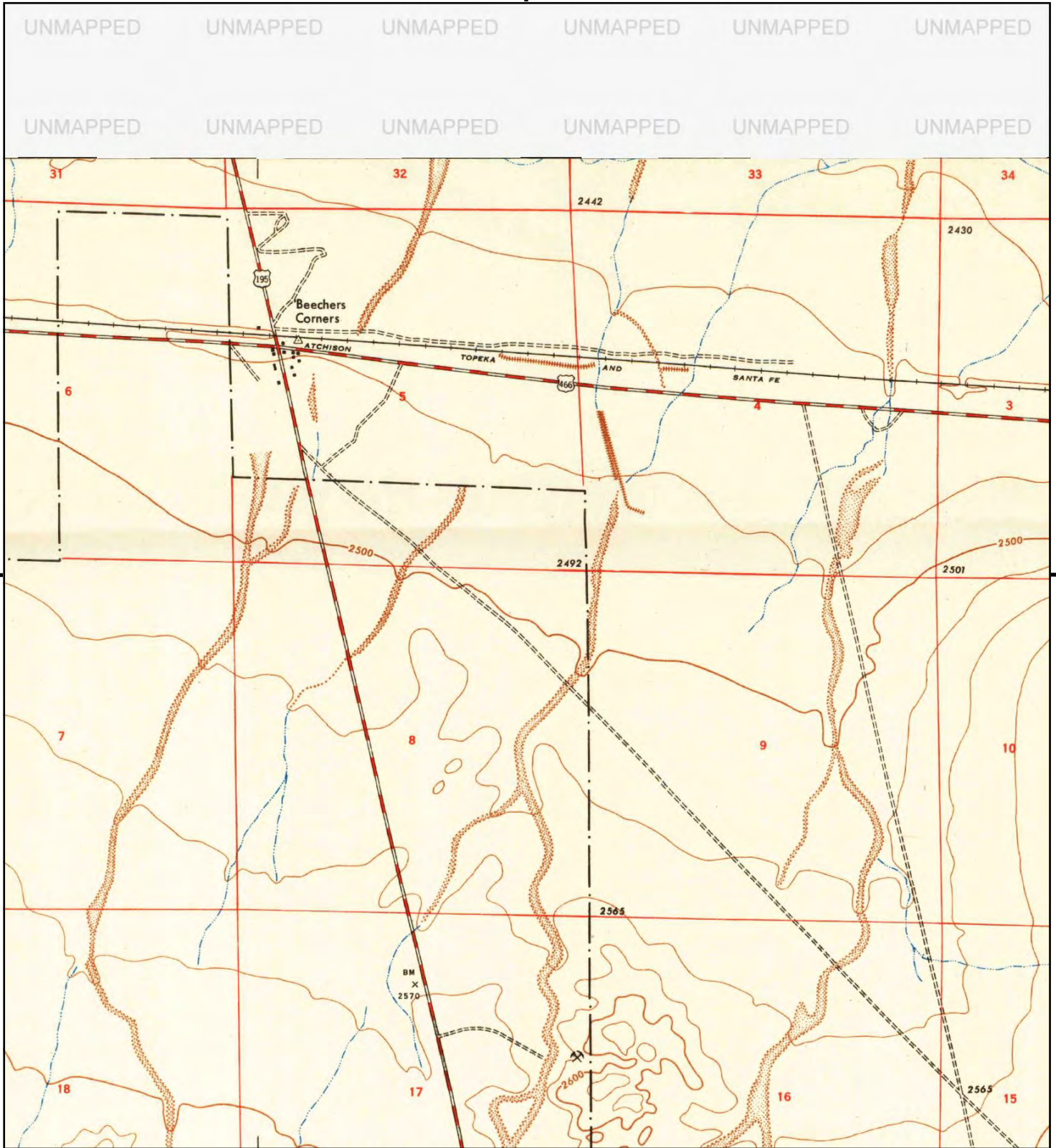
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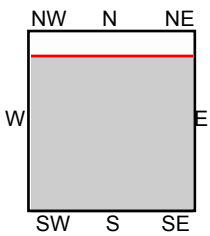
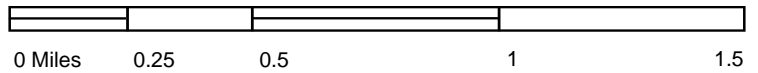
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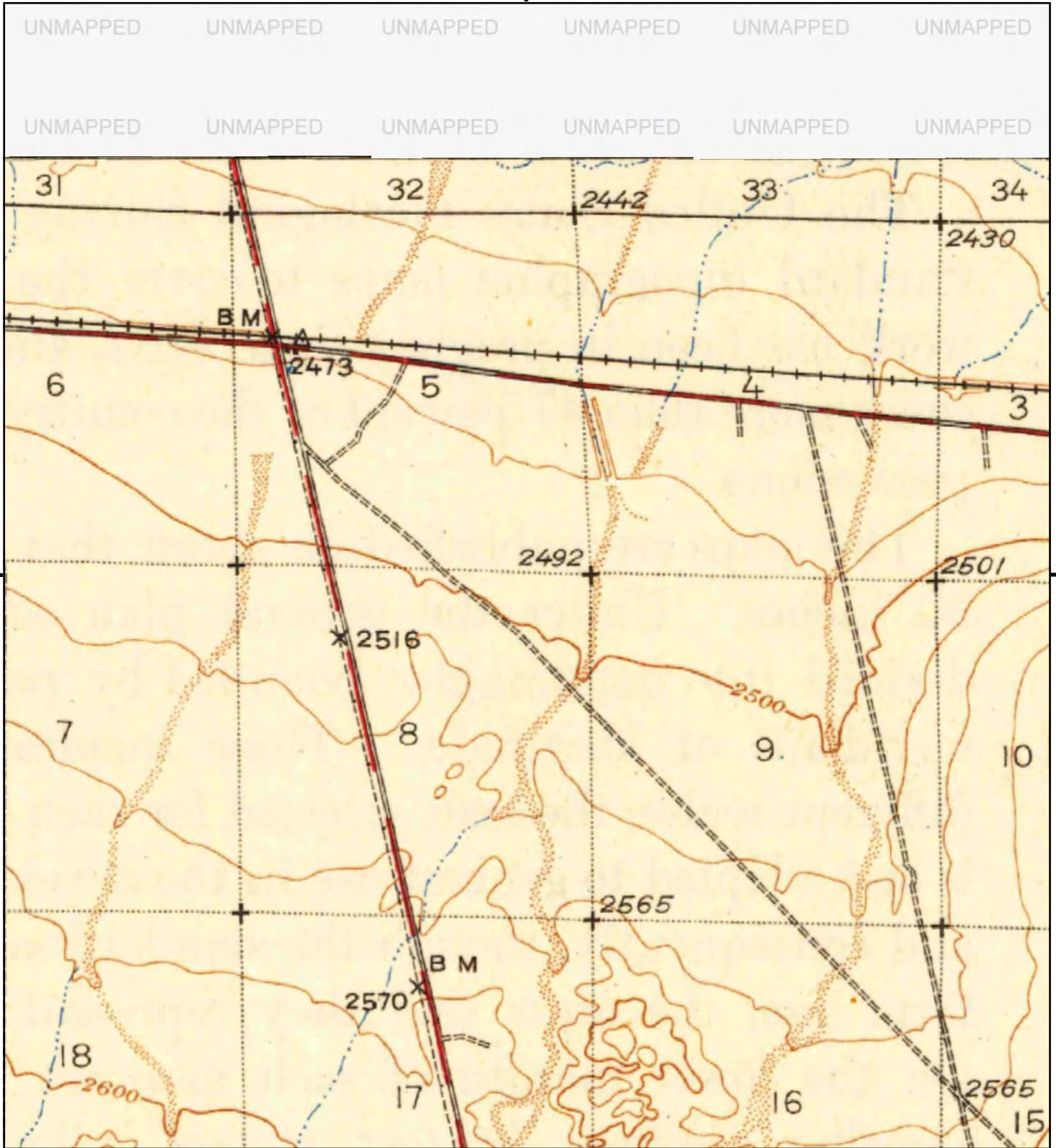
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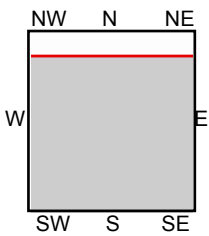
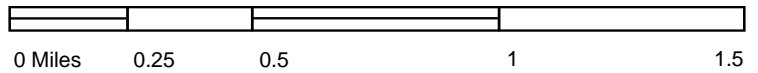
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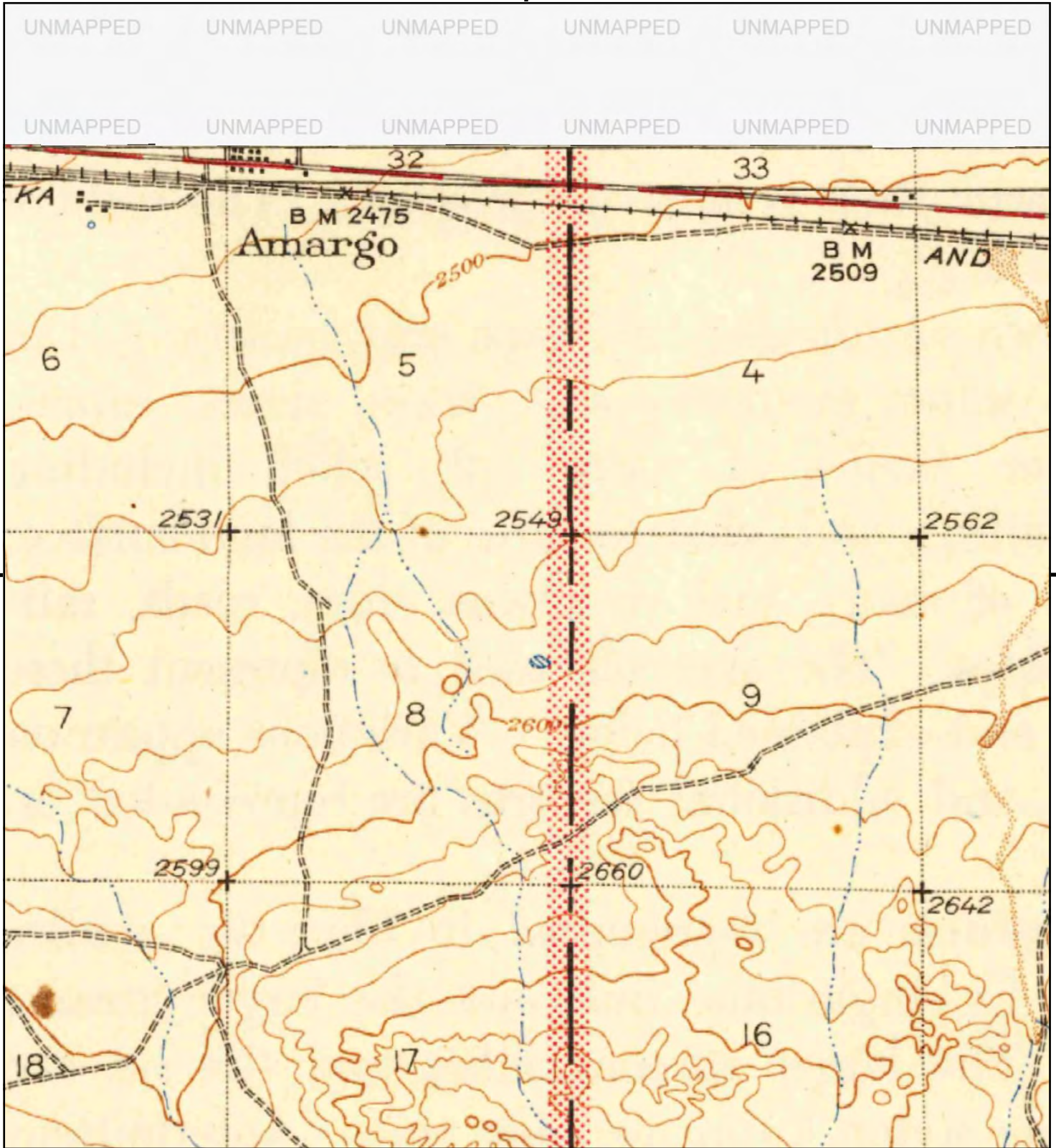


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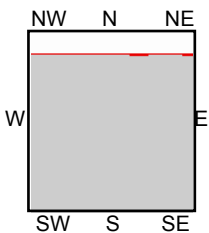
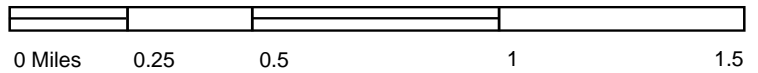
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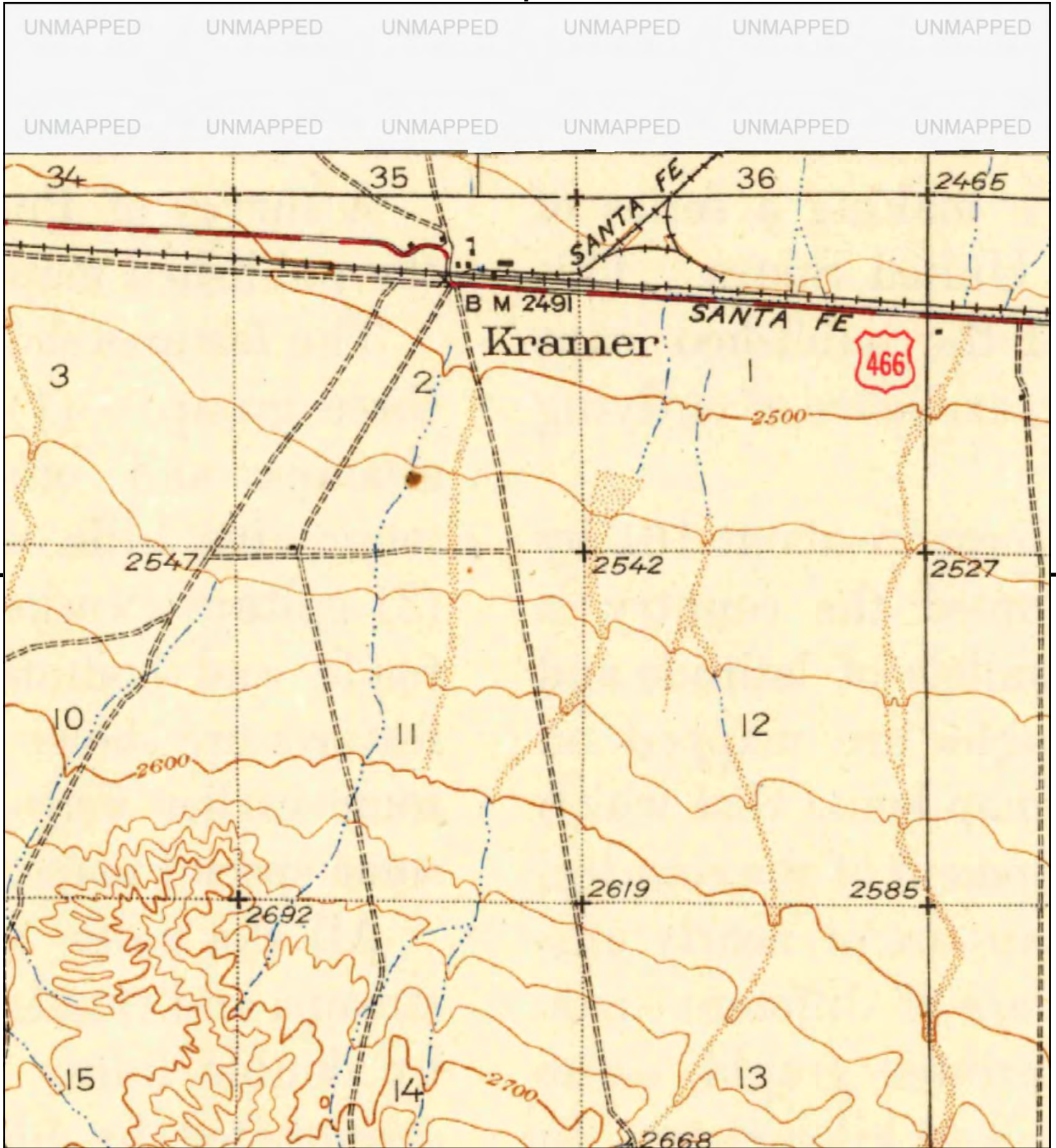
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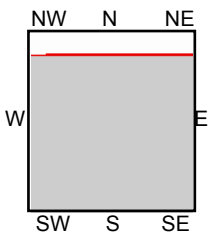
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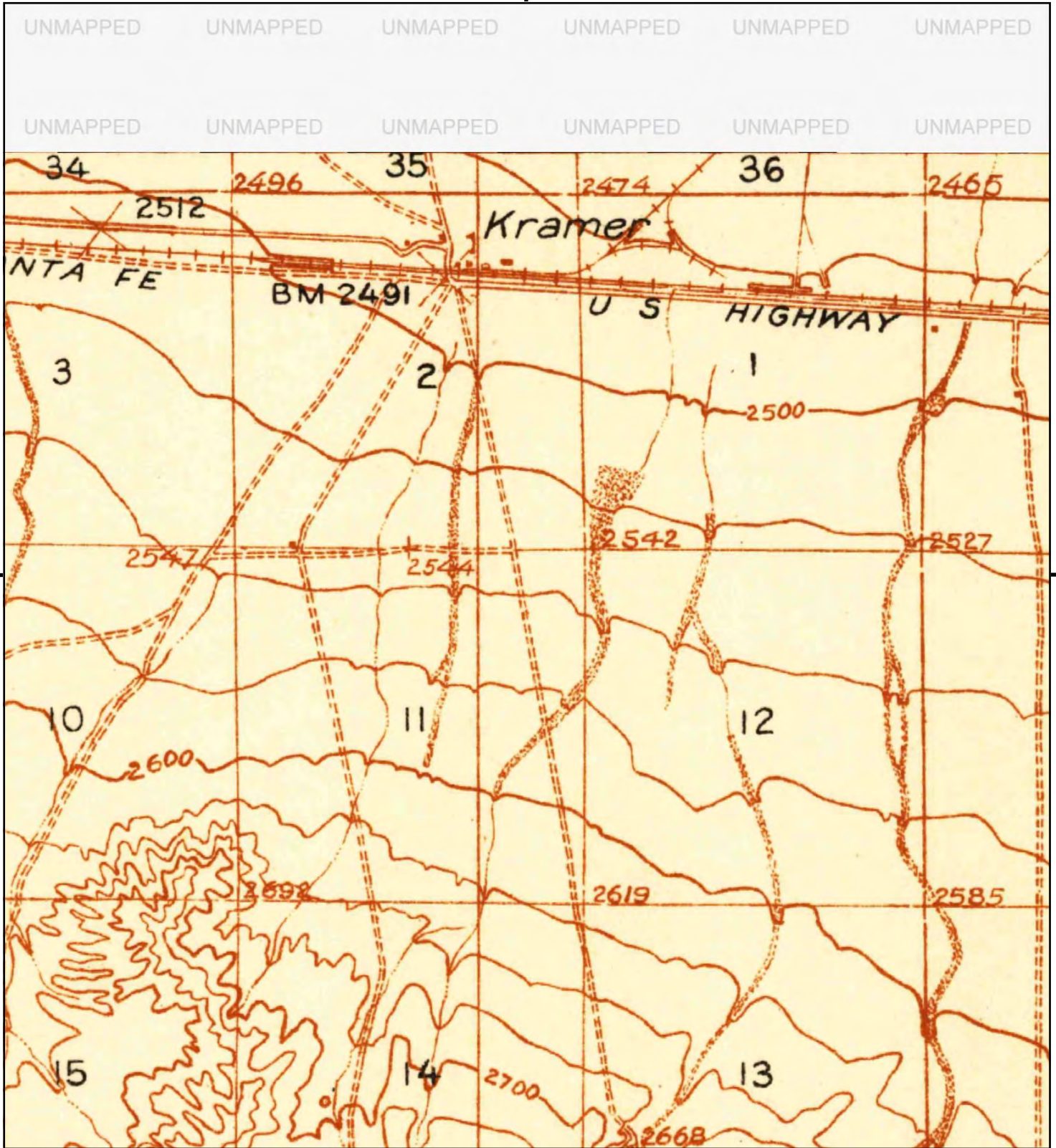
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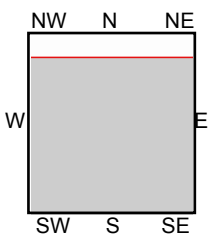
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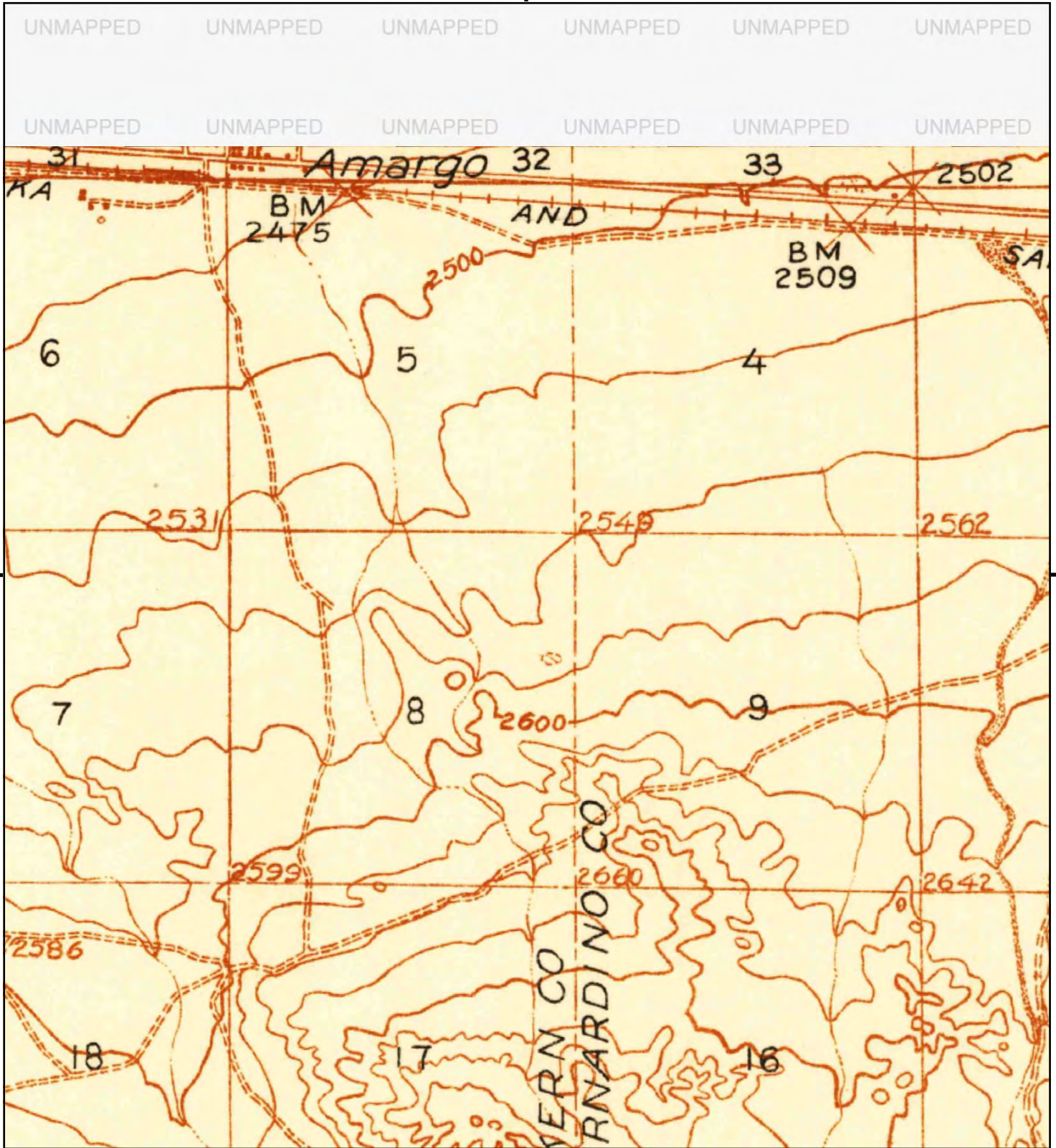
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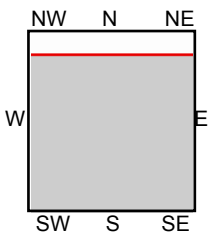
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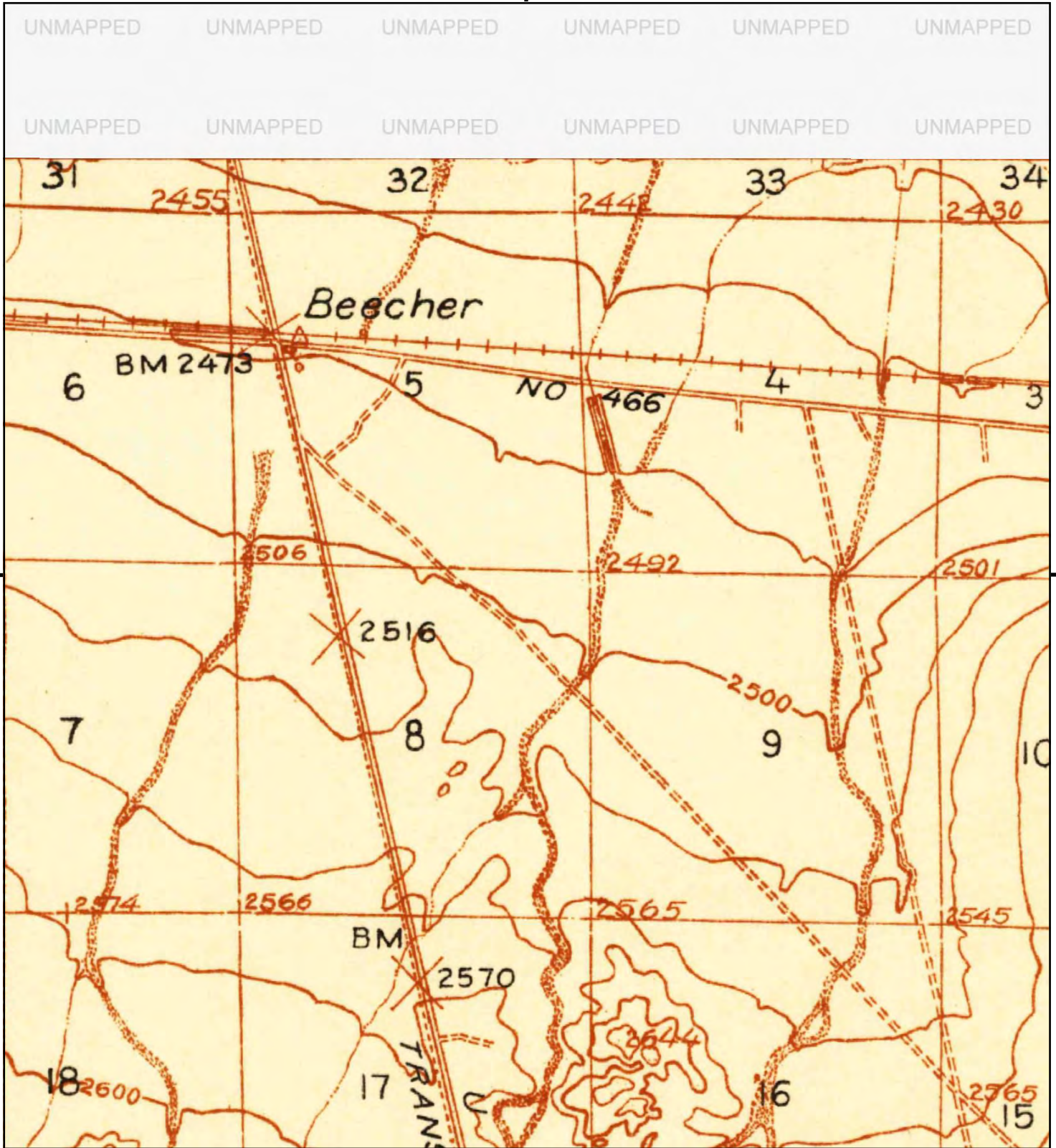
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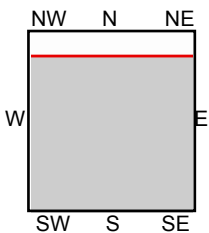
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**PHASE I ENVIRONMENTAL SITE ASSESSMENT - ARATINA SOLAR GEN-TIE EASEMENT**

Appendix F Agency Record  
July 20, 2020

Appendix F AGENCY RECORD





**EDWARDS AFB  
CALIFORNIA**

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**ADMINISTRATIVE RECORD  
COVER SHEET**

AR File Number 2705

AR 2705



DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS AIR FORCE FLIGHT TEST CENTER (AFMC)  
EDWARDS AIR FORCE BASE, CALIFORNIA

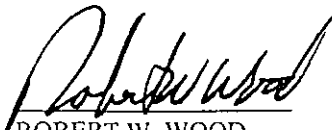
16 August 2001

MEMORANDUM FOR RECORD


SUBJECT: No Further Investigation (NFI) Status for Chemical Warfare Materiel at Site 437 (Mustard Cans, Picric Acid [Kramer Junction]) and Site 438 (Mustard Cans, Picric Acid [Kramer Junction]), Chemical Warfare Materiel Operable Unit No. 7, Edwards Air Force Base, California.

1. The undersigned have reviewed the site assessment associated with Sites 437 and 438 and are satisfied that the assessment is complete. Based on the regulations and laws in place at the time of closure, no further investigation is indicated at this time.
2. An electromagnetic (EM) geophysical survey was completed at Sites 437 and 438. The survey indicated that no buried debris trenches are present at the sites.
3. The site reconnaissance survey showed no stained soils or stressed vegetation.
4. A Site Summary Report (SSR) was submitted for Sites 437 and 438 to the RPMs on 25 May 2001. Based on the results of a review of historic aerial photographs and archival documents, and the results of the geophysical and reconnaissance surveys, it is unlikely that the site was used for the burial of chemical warfare materiel. For these reasons, the SSR recommends NFI at the sites.
5. It is important to note that this letter does not relieve Edwards AFB of further responsibilities mandated under CERCLA, the California Health and Safety Code, and California Water Code if additional or previously unidentified contamination at the subject sites causes or threatens to cause pollution, or is found to pose a significant threat to public health and the environment.
6. If you have any questions or comments, please call Mr. Robert W. Wood at (661) 277-1407.

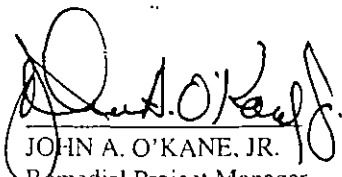
We, the undersigned, concur with the above selected determination of No Further Investigation for Sites 437 and 438.

  
 ROBERT W. WOOD  
 Remedial Project Manager  
 U.S. Air Force

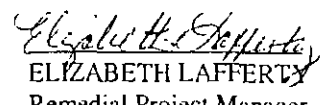
16 Aug 01  
 DATE

  
 RICHARD T. RUSSELL  
 Remedial Project Manager  
 U.S. Environmental Protection Agency  
 Region 9

16 Aug 01  
 DATE

  
 JOHN A. O'KANE, JR.  
 Remedial Project Manager  
 California Department of Toxic  
 Substances Control, Region 1

8/16/01  
 DATE

  
 ELIZABETH LAFFERTY  
 Remedial Project Manager  
 California Regional Water  
 Quality Control Board, Region 6

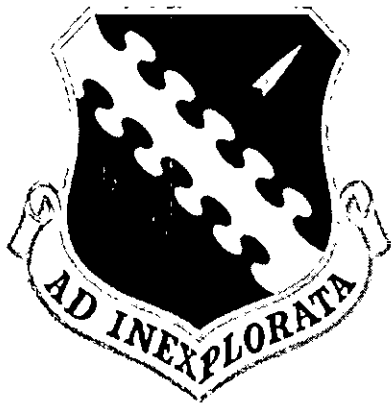
8/14/01  
 DATE



**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**



**EDWARDS AFB  
CALIFORNIA**

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**ADMINISTRATIVE RECORD  
COVER SHEET**

AR File Number 1041

2662

File: 19-07-07-6 1  
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Att 1041

**United States Air Force  
Flight Test Center  
Environmental Management Office  
Edwards AFB, CA**

**Installation Restoration Program**



**Addendum No. 2 to the  
Site Investigation Summary Report  
Chemical Warfare Materiel  
Sites 434, 435, 436, 441, 445, and 457  
Sites 437 and 438 - Suspected Burial  
Locations for Mustard (HD) Cans,  
Picric Acid, and AN-M120 Fuses  
Operable Unit No. 7**

**Final**

**January 2002**

Environmental Management Library  
Building 2650A  
Edwards AFB, CA

EMM-CW7-95A 2002

**INSTALLATION RESTORATION PROGRAM  
ADDENDUM NO. 2 TO THE  
SITE INVESTIGATION SUMMARY REPORT  
CHEMICAL WARFARE MATERIEL SITES 434, 435, 436, 441, 445, AND 457**

**SITES 437 AND 438 - SUSPECTED BURIAL LOCATIONS FOR MUSTARD (HD) CANS,  
PICRIC ACID, AND AN-M120 FUZES  
OPERABLE UNIT NO. 7  
EDWARDS AIR FORCE BASE  
CALIFORNIA**

**JANUARY 2002**

**FINAL**

**Prepared by**

**EARTH TECH, INC.  
100 WEST BROADWAY, SUITE 240  
LONG BEACH, CA 90802**

**Prepared for**

**U.S. AIR FORCE FLIGHT TEST CENTER  
ENVIRONMENTAL RESTORATION DIVISION (AFFTC/EMR)  
EDWARDS AIR FORCE BASE, CA 93524-1130**

**and the**

**IRP PROGRAM OFFICE  
U.S. AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE  
ENVIRONMENTAL RESTORATION DIVISION (AFCEE/ERD)  
BROOKS AIR FORCE BASE, TX 78235-5363**

**NOTICE**


This Site Investigation Summary Report Addendum has been prepared for the U.S. Air Force by Earth Tech, Inc., under the U.S. Air Force Installation Restoration Program (IRP). As the report relates to potential or actual releases of hazardous substances, its publication prior to a U.S. Air Force final decision on removal action may be in the public's interest. The limited objectives of this document and the ongoing nature of the IRP, along with the evolving knowledge of site conditions and chemical effects on the environment and health, must be considered when evaluating this report, because subsequent facts may become known which may make this report premature or inaccurate. Acceptance of this report in performance of the contract under which it is prepared does not mean that the U.S. Air Force adopts the conclusions, recommendations, or other views expressed herein, which are those of the contractor only and do not necessarily reflect the official position of the U.S. Air Force.

## PREFACE

This document presents the Installation Restoration Program Addendum No. 2 to the Site Investigation Summary Report, Chemical Warfare Materiel (CWM) Sites 434, 435, 436, 441, 445, and 457: Sites 437 and 438 - Suspected Burial Locations for Mustard (HD) Cans, Picric Acid, and AN-M120 Fuzes, Operable Unit 7, Edwards Air Force Base, California. The purpose of this report is to document the review of archival materials (literature, historic maps, and aerial photographs), to document site reconnaissance activities, to document geophysical surveys, and recommend these CWM sites for No Further Investigation (NFI). The document has been prepared in accordance with the requirements of Contract No. F41624-97-D-8018, Delivery Order No. 40, between the U.S. Air Force and Earth Tech.

The AFCEE Team Chief is David Leeson. The Edwards AFB Project Manager is Rebecca Hobbs. The Earth Tech Program Manager is Ray Sugiura. The Earth Tech Project Manager is Joan Siegal.

Approved:



Ray Sugiura, Program Manager  
California RG, No. 3579

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## LIST OF ABBREVIATIONS AND ACRONYMS

AFB	Air Force Base
AFCEE/ERD	Air Force Center for Environmental Excellence/Environmental Restoration Division
AFFTC/EMR	Air Force Flight Test Center/Environmental Restoration Division
CWA	chemical warfare agent
CWM	chemical warfare materiel
EAFB	Edwards Air Force Base
EM	electromagnetic induction
GIS	geographic information system
GPR	ground penetrating radar
H	mustard
HD	distilled mustard
IRP	Installation Restoration Program
msl	mean sea level
NFI	no further investigation
PB	precision bombing (target)
PIRA	Precision Impact Range Area
RG	registered geologist
USGS	United States Geological Survey

## EXECUTIVE SUMMARY

A remedial investigation was conducted at Sites 437 and 438 - Suspected Burial Locations for Mustard (HD) Cans, Picric Acid, and AN-M120 Fuzes in 2000. The investigation consisted of archival research, aerial photograph review, field reconnaissance activities, and geophysical surveys.

A map discovered during the archival research indicated that mustard (HD) cans, picric acid, and AN-M120 fuzes may have been disposed at Sites 437 and 438. The map, dated 1953, was hand-traced and annotated with circled-X symbols at the location of the sites, and had a margin note listing live fuzes, mustard cans and picric acid. The two sites, however, are located at the northeastern corner of the Base boundary far from any known use of chemical warfare agents.

Aerial photographs dating from 1945 to 1992 were reviewed. A field reconnaissance survey was conducted in October 1999. The review of the aerial photographic record did not support the identification of the sites as disposal areas. No evidence of burial or surface disposal of mustard cans or AN-M120 fuzes was found during the field reconnaissance.

Because the sites are within a mile of the town of Kramer Junction, geophysical surveys were conducted to search the area for burial trenches. The geophysical surveys employed the electromagnetic induction method using the Geonics EM61 buried metal detector. No trenches were detected.

Based on the results of the archival research, aerial photograph review, and geophysical surveys, no further investigation is recommended at these sites.

## 1.0 INTRODUCTION

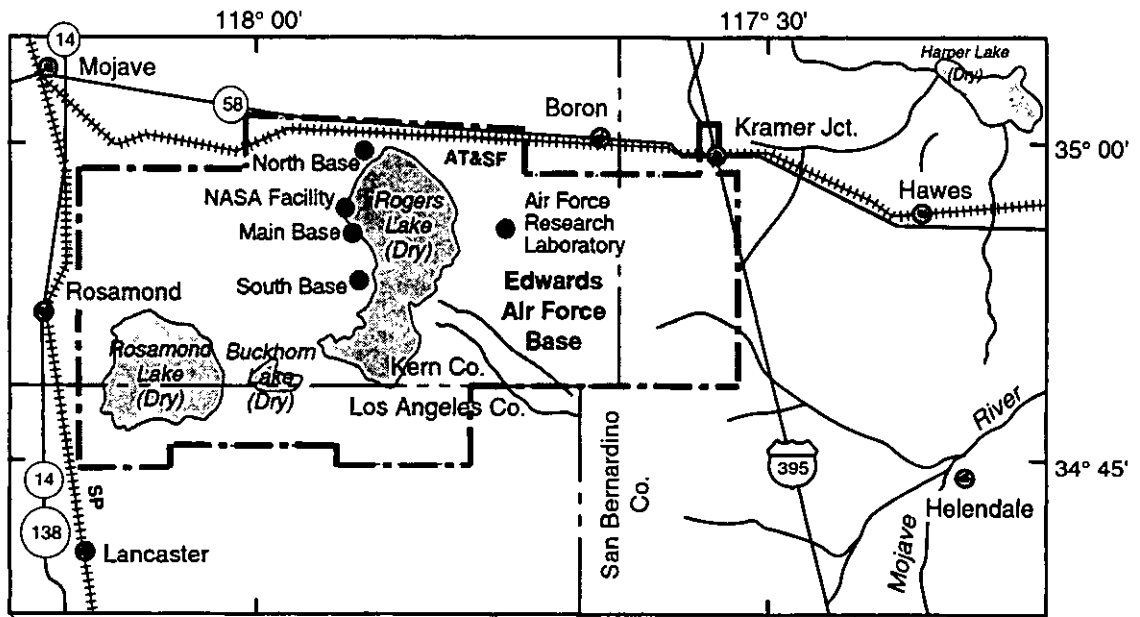
This Site Investigation Summary Report Addendum presents a summary of archival research, field reconnaissance activities, and geophysical surveys conducted at Sites 437 and 438 - Suspected Burial Locations for Mustard (HD) Cans, Picric Acid, and AN-M120 Fuzes. The work was conducted as part of a larger program designed to evaluate potential hazards and contamination at suspected Chemical Warfare Materiel (CWM) disposal and testing sites active primarily from the early 1940's to mid-1950's at Edwards AFB.

Edwards AFB is located in the Mojave Desert physiographic region of southeastern Kern County and western San Bernardino County, California. The base occupies approximately 470 square miles of high desert area approximately 60 miles north of Los Angeles (Figure 1-1).

Site 437 is located 0.5 miles east of U.S. Highway 395 and 0.9 miles south of State Highway 58 at the north end of the eastern boundary of Edwards AFB. The area is posted with weathered illegible boundary signs and is not fenced. It is used by the public for camping and shooting. The town of Kramer Junction is located 0.6 miles northwest of the site (Figure 1-2).

Site 438 is located 0.4 miles west of U.S. Highway 395 and 0.5 miles south of State Highway 58. The site extends to within 200 feet of the southwest corner of the large electric power distribution facility located at the southern limit of the town of Kramer Junction. The area is not posted and not fenced. There is an unpaved road across the northern part of the site that is used by the public.

The sites were thought to be potential burial locations for mustard cans, picric acid, and AN-M120 fuzes.



Source: U.S. Geological Survey State of California (South Half) 1:500,000

0 10 20 miles

0 10 20 30 km

Scale



North



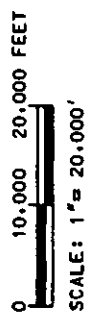
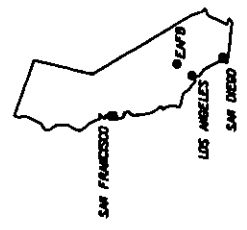
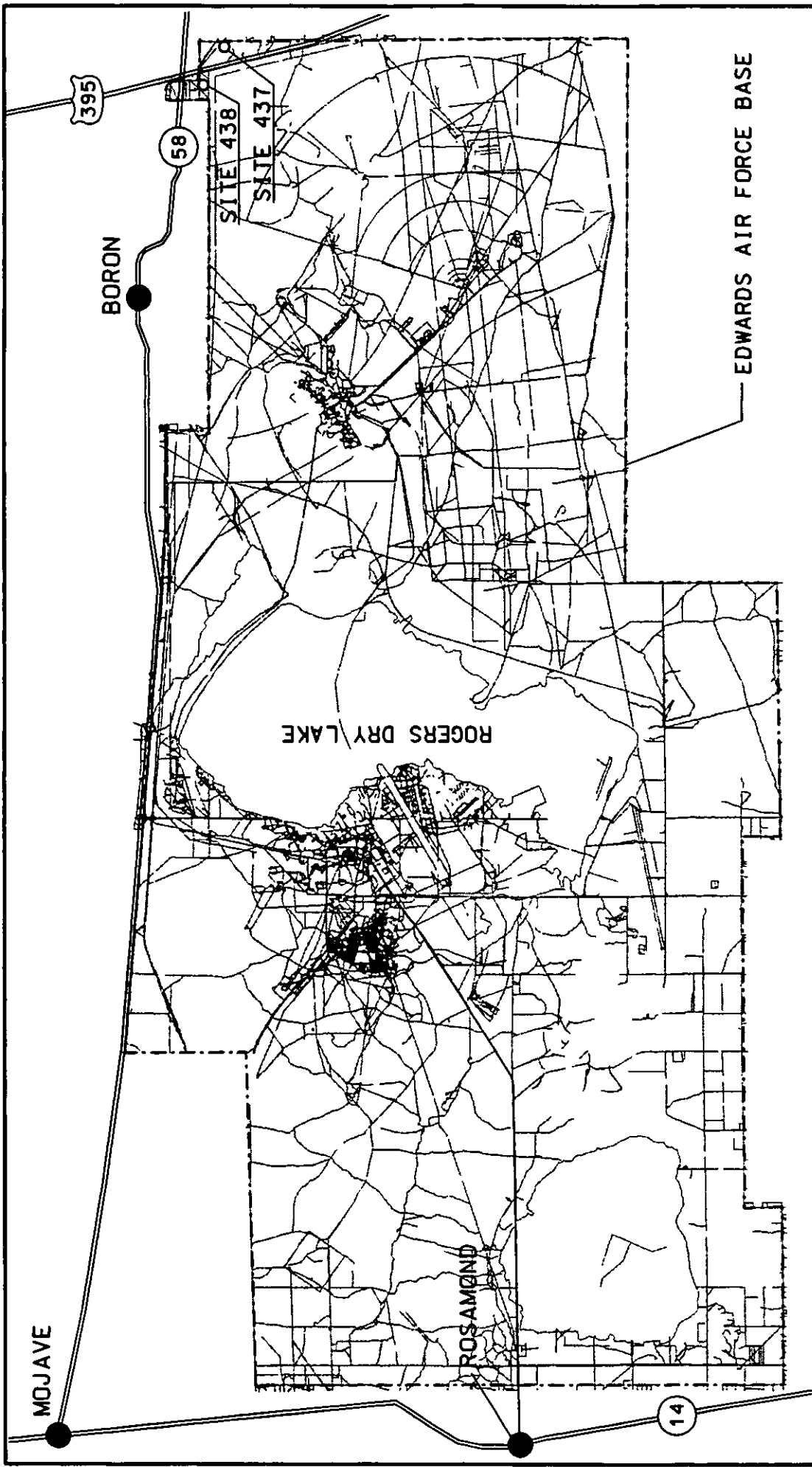
CWM SI Report Addendum 2

### Location Map Edwards Air Force Base

Date 01-02
Project No. 35052

Edwards AFB

Figure 1-1
---------------



CWM 81 Report Addendum 2

### Location Map Sites 437 and 438

Date 1-02  
Project No.  
35052

Figure  
1-2

VICINITY MAP  
NO SCALE

## 2.0 METHODS

Sites were investigated by examining archival literature and historic maps and through aerial photograph interpretation. Further characterization was accomplished by conducting a field reconnaissance of Sites 437 and 438 and geophysical surveys. The procedures used for conducting the investigation are discussed in the following sections.

### 2.1 ARCHIVAL LITERATURE SEARCHES

The procedures for archival literature searches are described in SciTech Services, Inc. (2000) and in Section 2.1 of the Site Investigation Summary Report (Earth Tech 2000).

### 2.2 HISTORICAL AERIAL PHOTOGRAPHS AND MAPS REVIEW

The procedures for the historical aerial photographs and maps review are described in Section 2.2 of the Site Investigation Summary Report (Earth Tech 2000).

### 2.3 FIELD RECONNAISSANCE

The field reconnaissance surveys at Sites 437 and 438 were completed on 1 October 1999. The purpose of the surveys was to field verify suspect areas identified during the aerial photograph search and to identify features not readily seen in aerial photographs. Burial sites may be identified by features such as localized topographic changes (i.e., surface mounding or subsidence), changes in vegetation cover (i.e., density, height, or type), surface disturbance at and adjacent to the burial site, and changes in surface soil characteristics (i.e., color, texture, or type).

Field reconnaissance procedures are described in Section 2.3.2 of the Site Investigation Summary Report (Earth Tech 2000).

## 2.4 GEOPHYSICAL SURVEYS

Geophysical surveys using the electromagnetic induction (EM) technique were conducted between 26 February and 7 March 2000. An EM survey aims at detecting subsurface metal such as the remains of bombs, metal drums, other containers, or parts of apparatus, by detecting the secondary magnetic field created by eddy currents induced in the metal. The EM61 instrument can detect a single 55-gallon drum to a depth of about 9 feet. These surveys were conducted on lines forming a square grid with a 50-ft x 50-ft mesh within a survey area of 1400 ft by 1400 ft. The instrument's detection range covers about a 10-ft-wide strip horizontally, so that within a 50-ft by 50-ft area there is a 40-ft by 40-ft area that is uncovered.

### 3.0 RESULTS AND DISCUSSION

Sites 437 and 438 were investigated by examining archival literature and historic maps, by archival aerial photograph interpretation, by field reconnaissance of the sites, and finally by geophysical surveys.

#### 3.1 REVIEW OF ARCHIVAL MATERIALS

Sites 437 and 438 were selected for investigation because of documentary evidence that mustard (HD) cans, picric acid, and AN-M120 fuzes may have been disposed at these sites (Table 3-1). The evidence was a single map:

- A copy of a hand traced and annotated map (scale 1 mile = 1.4 inches) entitled "Test Facilities Edwards Air Force Base" dated "4 Feb 53" showed "shaded areas are danger zones" (target vicinities) and several undefined circled-X symbols which are thought to mark burial locations of live AN-M120 fuzes, mustard cans and picric acid. These items are listed in a note in the right margin of the map shown in Figure 3-1 (Appendix B, U.S. Air Force 1953). Sites 437 and 438 are each marked with a circled-X. The diameters of the circles were calculated to be approximately 1,400 feet.

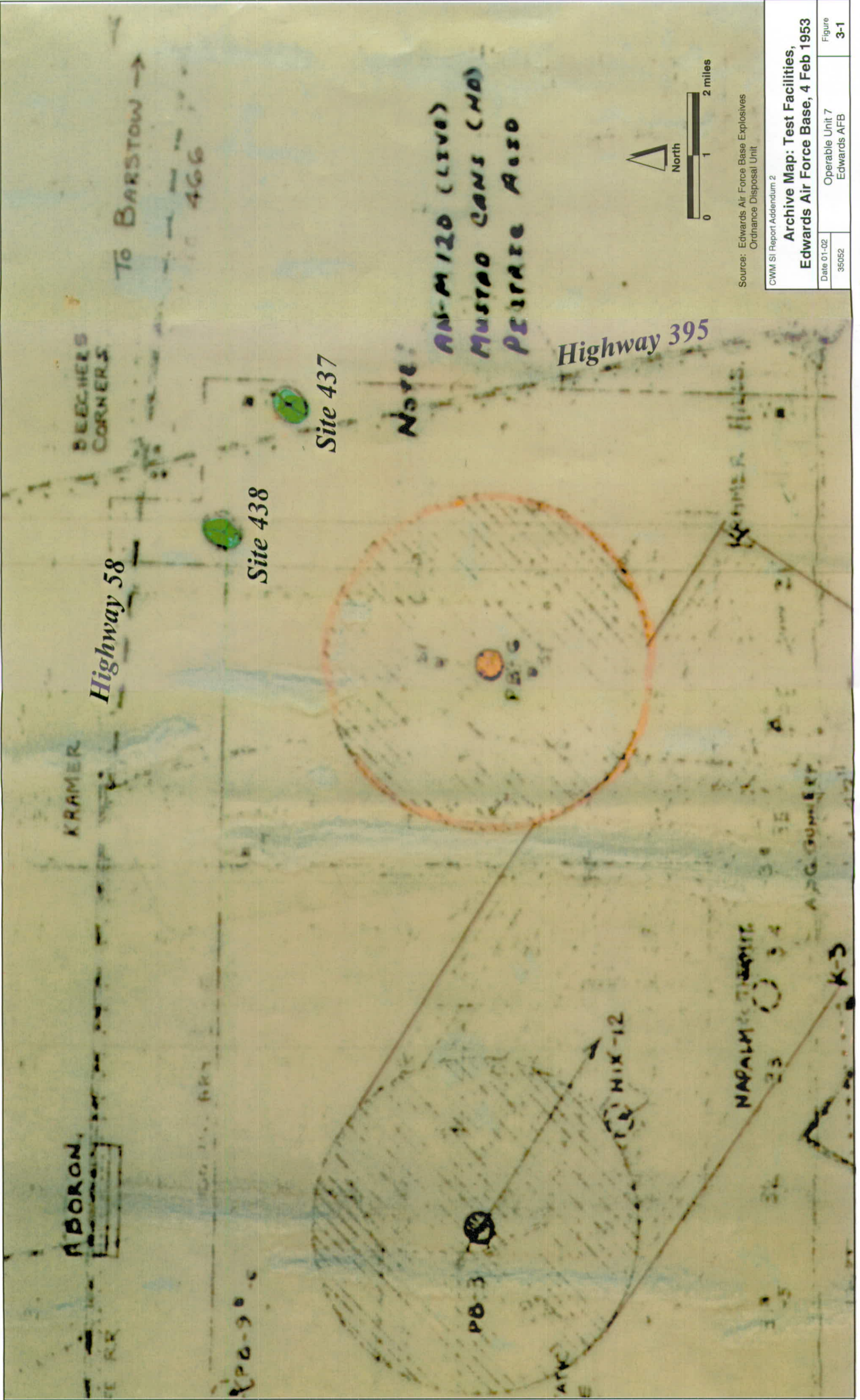
However, there is also archival evidence that suggests that it is unlikely that the area was used for disposal of chemical munitions materiel:

- Target PB-6 is shown on the Archives Search Report, Conventional Ordnance, Plate E-1 (U.S. Army Corps of Engineers 1994a) as the nearest WWII target to Sites 437 and 438, at distances of 2.7 and 2.5 miles, respectively.
- On 13 September 1944, Lt. Col. Robert C. Whipple, Director of Operations of the 421st AAF Base Unit, wrote to the Commander of Muroc Army Airfield (now Edwards AFB) regarding "Non-availability of Space for Additional Target Projects on the Muroc Danger Area" (421st AAF Base Unit 1944). Among the Muroc Range facilities he listed was target PB-6, used for day and night bombing. Target PB-6 was not listed as part of the Aberdeen Bombing Mission, which included testing of chemical munitions. Such testing was conducted at Target PB-Chem, nearly 14 miles from Sites 437 and 438.



TABLE 3-1. REVIEW OF ARCHIVAL MATERIALS INDICATING POTENTIAL ACTIVITIES  
AND CHEMICAL USE AT SITES 437 AND 438

Agent/Chemical	Type of Containers	Reference or Map Dates	Comments
<u>Chemical operations, non-agent specific</u>			
		9/13/44	Letter about non-availability of space for additional target projects states that old target PB-6 was in use for day and night bombing. This is the target nearest Sites 437 and 438. No mention is made of CWA usage.
<u>Chemical Warfare Agents</u>			
Mustard (H, HD)	Bomb fill, 5-gallon cans, 55-gallon drums	8/23/44	M70, 115-lb. H-filled bombs listed in Muroc bombing test tables, as well as in the overall U.S. Army Air Corps test program. In 1945, Muroc Base Supply sought disposition of 414 bombs, practice, chemical - M47A2 100-lb. (Note: this bomb may have been H-filled). Activities at Muroc reported for week of 1/24/47 include dropping of chemical bombs (115-lb. M70 [Note: this bomb may have been H-filled]).
		1/25/45	
		6/14/45	
		8/2/45	
		1/27/47	
		Map 2/53	Circled-X symbols mark Sites 437 and 438. Note: "AN-M120 (live), mustad (sic) cans (HD), pictric (sic) acid".
<u>Military Chemicals</u>			
Picric acid	Fuze	Map 2/53	Circled-X symbols mark Sites 437 and 438. Note: "AN-M120 (live), mustad (sic) (HD) cans, pictric (sic) acid".



Source: Edwards Air Force Base Explosives Ordnance Disposal Unit

CWM SI Report Addendum 2

**Archive Map: Test Facilities,  
Edwards Air Force Base, 4 Feb 1953**

Date 01-02	Operable Unit 7	Figure
35052	Edwards AFB	3-1

## 3.2 PHOTOGRAPHIC RECORD

Aerial photographs from 1945 to 1992 were researched. Figures 3-2 and 3-3 show aerial photographs of the two site areas as they were in 1945 and 1992, respectively. The historical context can be seen in the "Features" column of Tables 3-2 and 3-3. In 1945, U.S. Highway 466 (predecessor to Highway 58) ran east-west, about a mile north of the two sites, through the town of Beechers Corners (now named Kramer Junction) crossing Highway 395. The AT&SF Railroad ran parallel to, and just north of the highway, as it does today.

A dirt road branched southeastward from Highway 395 about 0.3 miles south of Beechers Corners and crossed the northeastern margin of Site 437. The road is shown on the 1946 Army Map Service Kramer 7.5' map, but not on the 1973 USGS Kramer Junction 7.5' map, where suburban developer's roads have replaced it. The road is still visible, but is little used.

At Site 438, there were no trails but there was a lighter shaded (cleared) east-west strip across the southern half of the site and westward, possibly from agricultural activities. This strip is still detectable in 1992 color aerial photos, but not apparent from the ground.

Aerial photographs taken in 1953, 1956, 1963, and 1992 showed a progressive buildup of power lines, pipe lines, development roads, and Kramer Junction buildings, but did not show evidence of military activity related to disposal by burial or surface dumping.

## 3.3 ENVIRONMENTAL SETTING

### 3.3.1 TOPOGRAPHY AND SURFACE DRAINAGE

Sites 437 and 438 lie on alluvium that slopes northward at a 1% grade. Site 437 has a relief of 25 feet due to drainage sculpting. A dry wash goes through the center of it. Site 438 has nearly a plane surface. Both sites are at an elevation of approximately 2,500 feet mean sea level (msl).

The foliage on Site 437 is salt bush, creosote bush, and Joshua trees. Site 438 has been cleared, except for a Joshua tree, and short foliage has regrown.



Aerial Photograph 1945

- Explanation**
-  Current site conditions (roads and structures)
  -  Geophysical Survey Area



Site 437 inset  
Scale 1"=600'

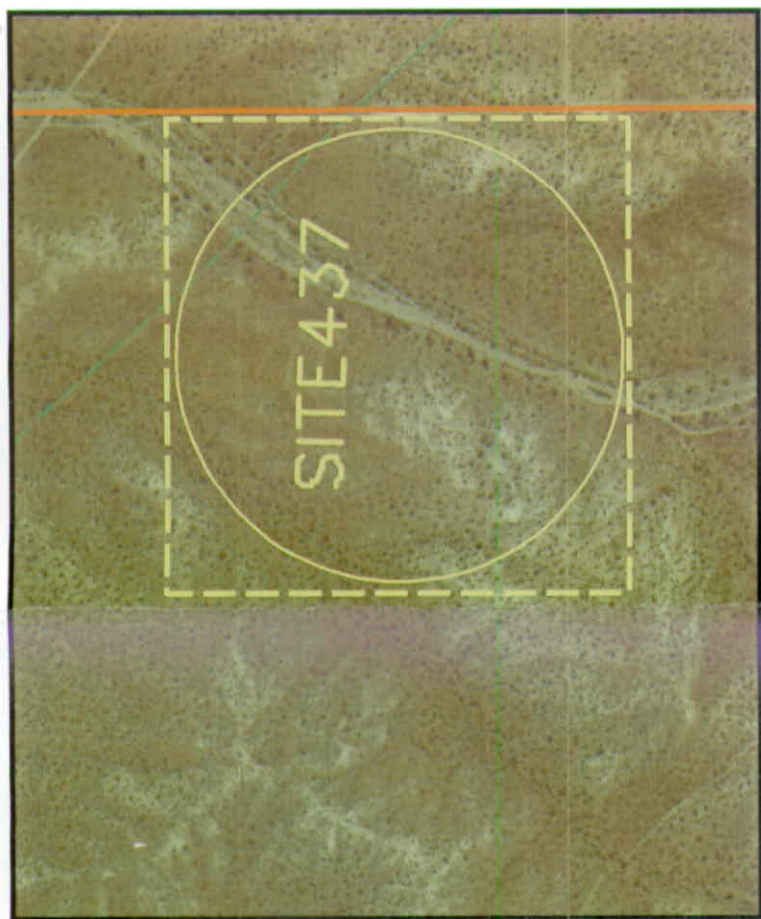


Site 438 inset  
Scale 1"=600'

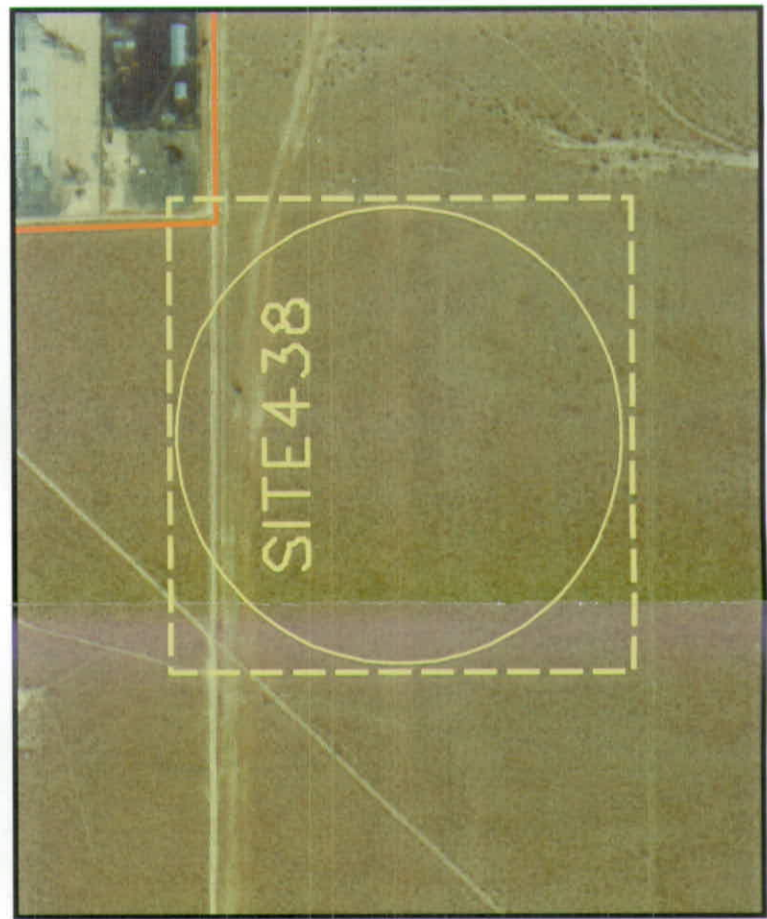
Note: Site locations based on 1953 Test Facilities map.  
CWM SI Report Addendum 2

**Sites 437 & 438  
1945 Photo**

Date 01-02	Figure
Project No. 35052	Edwards AFB
	3-2



Site 437 inset  
Scale 1"=600'



Site 438 inset  
Scale 1"=600'



Aerial Photograph 1992

**Explanation**

- Current site conditions (roads and structures)
- Geophysical Survey Area

North

0 660 1,320 ft

Scale 1"=1,320'

Note: Site locations based on 1953 Test Facilities map.  
CWM SI Report Addendum 2

**Sites 437 & 438**  
**1992 Photo**

Date 01-02	Edwards AFB	Figure
Project No. 35052		<b>3-3</b>

TABLE 3-2. SITE 437 PHOTOGRAPHIC RECORD

Date	Flight	Frame	Features
7/17/45	VV16PS-M:1-311RW-5M202	173 174 216	No activity on site. Prominent drainage channel (trend NNE) bisects site. Dirt road originating from Hwy 395 crosses the northeast margin of the site and continues southeast. The road appears unrelated to the site. AT&SF Railroad and U.S. Hwy 466 (predecessor to Hwy 58) run E-W north of the site. Hwy 395 runs N-S west of the site. Town of Beechers Corners (now Kramer Junction) is 1.2 miles northwest of the site. Several N-S trending drainage channels are visible on the photograph.
2/2/53	AXL	35K-170 35K-171	No significant change on site from 1945 photographs. Increased development of Kramer Junction. Pipeline road/trench scar appears E-W about 0.6 miles north of site. N-S trending drainage channels are less prominent and have been overgrown with vegetation.
2/2/56	C-22395	1-10 1-11	Relief is more visible than in previous photographs. No activity on site. Increased development of Kramer Junction; new building complex appears in the northeast corner of intersection of Hwy 58 and Hwy 395.
4/16/63	M-73 AST-6 1370PMW	609 635	No significant change on site from previous photographs. Power lines/road appear a quarter-mile NE of site. A second pipeline construction road/trench scar appears E-W just north of the earlier pipeline. Appearance of electrical power distribution complex in south Kramer Junction west of Hwy 395. Suburban development roads appear east of the site.
8/8/92	17 (EAFB mapping series by GRW Engineering)	382	No activity at site. The suburban "development" roads east of the site remain, but no development was made.

TABLE 3-3. SITE 438 PHOTOGRAPHIC RECORD

Date	Flight	Frame	Features
7/17/45	VV16PS-M:J-311RW-5M202	174 175	No activity on site. AT&SF Railroad and U.S. Hwy 466 (predecessor to Hwy 58) run E-W north of the site. Hwy 395 runs N-S east of the site. Town of Beechers Corners (now Kramer Junction) is very near the site, just northeast of it. There are no trails related to the mapped location of the site. There is a once cleared, or once plowed, E-W strip (550' x 2360') that crosses the south half of the site and westward. The strip is partially visible in a 1942 photograph. Probably done by a farmer in the 1930's.
3/3/53	AXL	50K-191 50K-192 50K-193	No activity on site. Pipeline and power line appear E-W just south of Kramer Junction. The once cleared strip of land is quite visible. Target PB-6 appears in good condition 2.5 miles southwest of the site.
2/2/56	C-22395	1-11 1-12	No activity on site. First appearance of "Tracking Station" (USGS 7.5' map, 1973) or Cinetheodolite A-1. Increased development of Kramer Junction; new building complex appears in the northeast corner of intersection of Hwy 58 and Hwy 395.
4/16/63	M-73 AST-6 1370PMW	607 637	No activity on site. Power line appears at the NW margin of the site. Appearance of electrical power distribution complex in south Kramer Junction west of Hwy 395 at the NE margin of the site.
8/8/92	17 (EAFB mapping series by GRW Engineering)	383	No activity on site, though more activity around it. Most of today's features are present. The once cleared strip is barely detectable.

### 3.3.2 GEOLOGY AND HYDROGEOLOGY

The geology at Sites 437 and 438 consists of unconsolidated sediments overlying weathered granitic bedrock at depth.

Depth to groundwater is unknown but may be greater than 200 feet based on the water level in a well three miles to the east, which was dry at 202 feet (Earth Tech 1994). The direction of flow is presumed to be north paralleling the surface drainages, then east in the direction of Harper Lake.

### 3.4 FIELD RECONNAISSANCE

Base maps of scale 1"=200' showing all surface features were produced for the field reconnaissance. A 1,400-foot long by 1,400-foot wide area with search traverse lines at 150-ft spacing was plotted on each map. Field reconnaissance was conducted from 30 September to 1 October 1999. First, an overview of the site was obtained by viewing them from a truck driven on power line roads, development roads, and trails. The sites were then walked in a three-person line, each person observing 75 ft to the right and left. Field notes recorded during the reconnaissance are reproduced in Appendix A.

At Site 437, reconnaissance driving showed the surroundings are used for public recreation and dumping (bullet and shotgun cartridge casings, littered cans, bottles, household refuse, construction trash, junked automobile and auto parts, etc.). There is no Base fence, and Base signs are so weathered as to be illegible. Foot traverses also showed littered cans, bottles, and household refuse, but no evidence of military disposal.

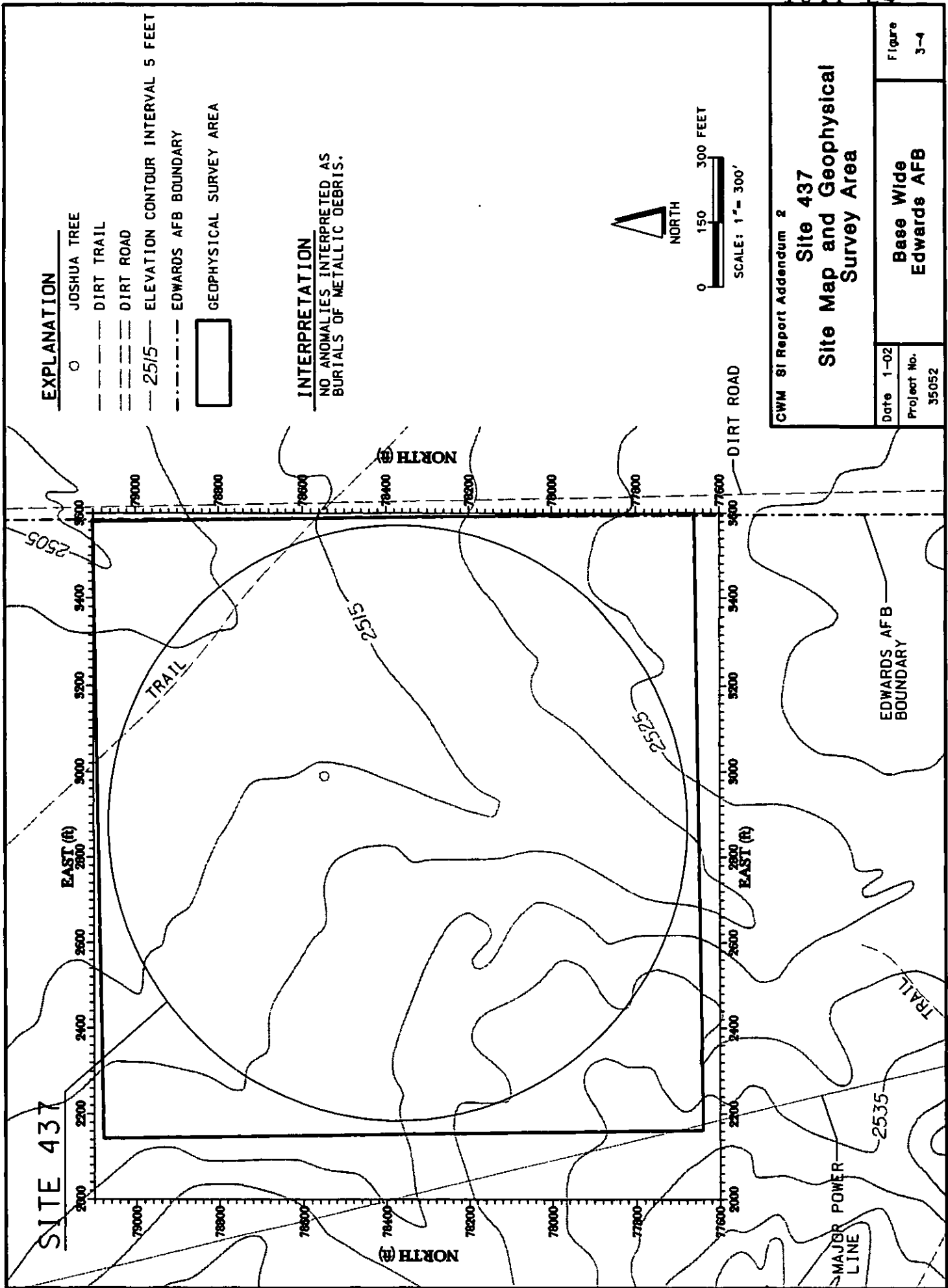
At Site 438, there are no Base signs, and no Base fence. Buried high-pressure natural gas pipelines cross the northern part of the site and the public drives the dirt road paralleling the pipelines. There is almost no litter, and again there is no evidence of military disposal.



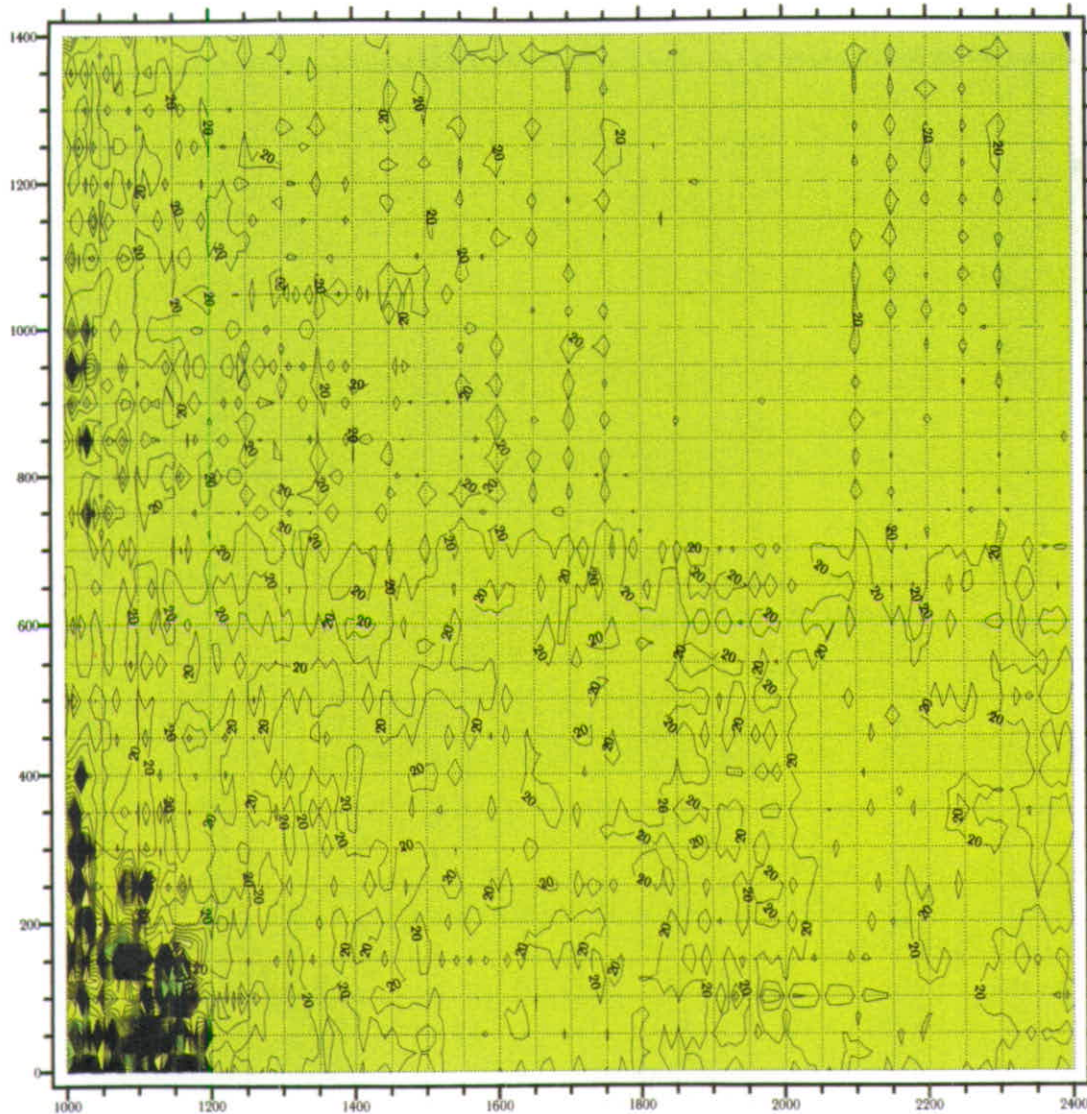
### 3.5 GEOPHYSICAL SURVEYS

The EM survey of Site 437 covered the area shown in Figure 3-4. The resulting EM contour map is shown in Figure 3-5. The EM contour map shows no anomalies that are interpreted as burials of metal. The dense contours in the lower left corner of the map are caused by interference from a high voltage power line overhead (the interference was checked by doing a survey line under the power line in a different location).

The EM survey of Site 438 covered the area shown in Figure 3-6. The resulting EM contour map is shown in Figure 3-7. The EM contour map shows no anomalies that are interpreted as burials of metal. The dense contours in the upper part of the map are caused by two high-pressure natural gas pipelines beneath the ground surface (the pipelines are identified by signs along their route).



CWM SI Report Addendum 2		Figure
Site 437		3-4
Site Map and Geophysical Survey Area		
Date 1-02	Base Wide	
Project No. 35052	Edwards AFB	



Scale in feet  
Contour interval 5 millivolts

**Explanation**

- Data points
- 200 Distance (feet) "north" and
- 1200 Distance (feet) "east" of local site-grid origin at 0, 1000

**Results**

No anomalies interpreted as burials of metallic debris.



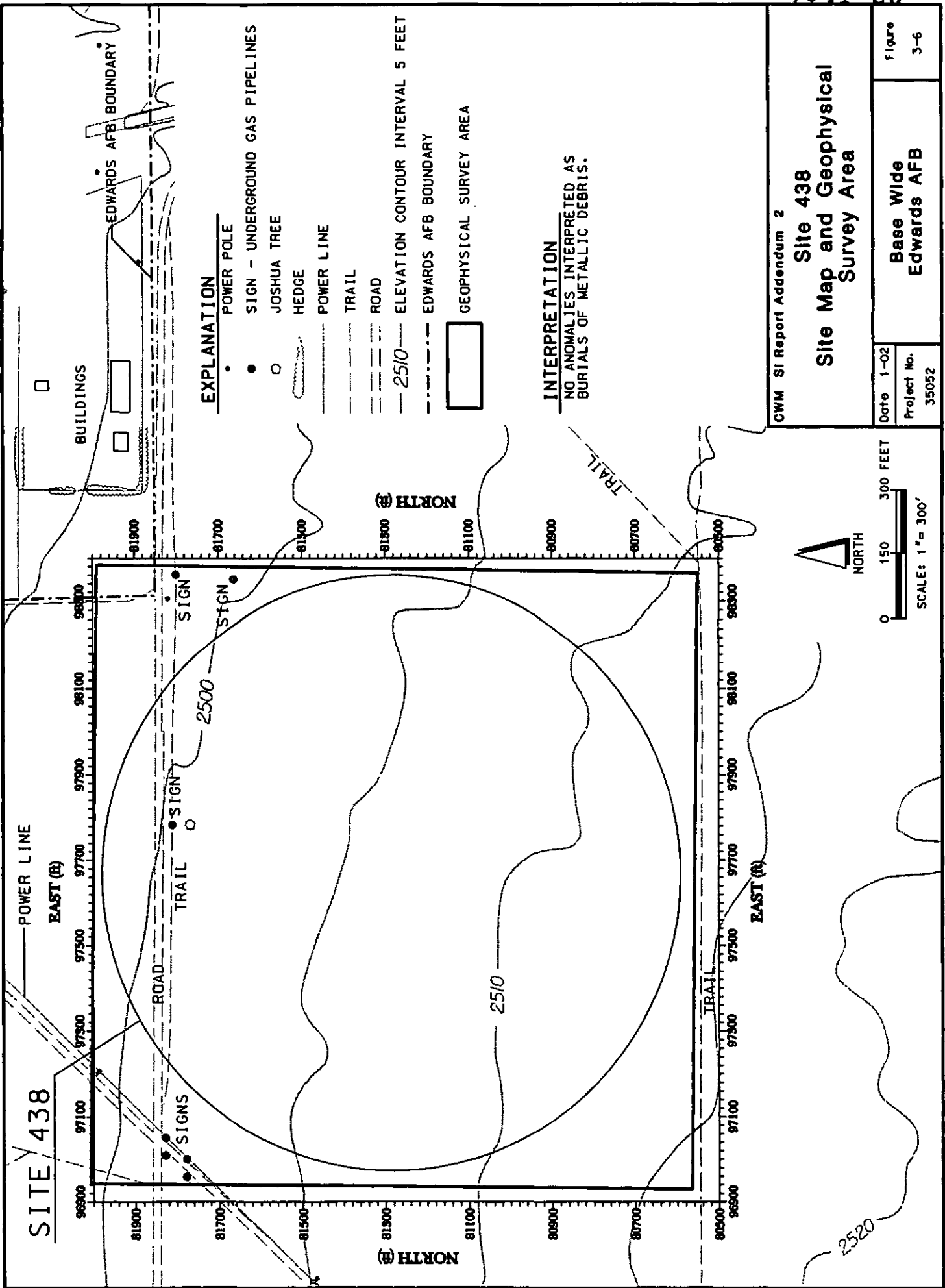
CWM NFI Report Addendum 2

**Site 437  
EM Contour Map**

Date 01-02  
Project No.  
35052

Edwards AFB

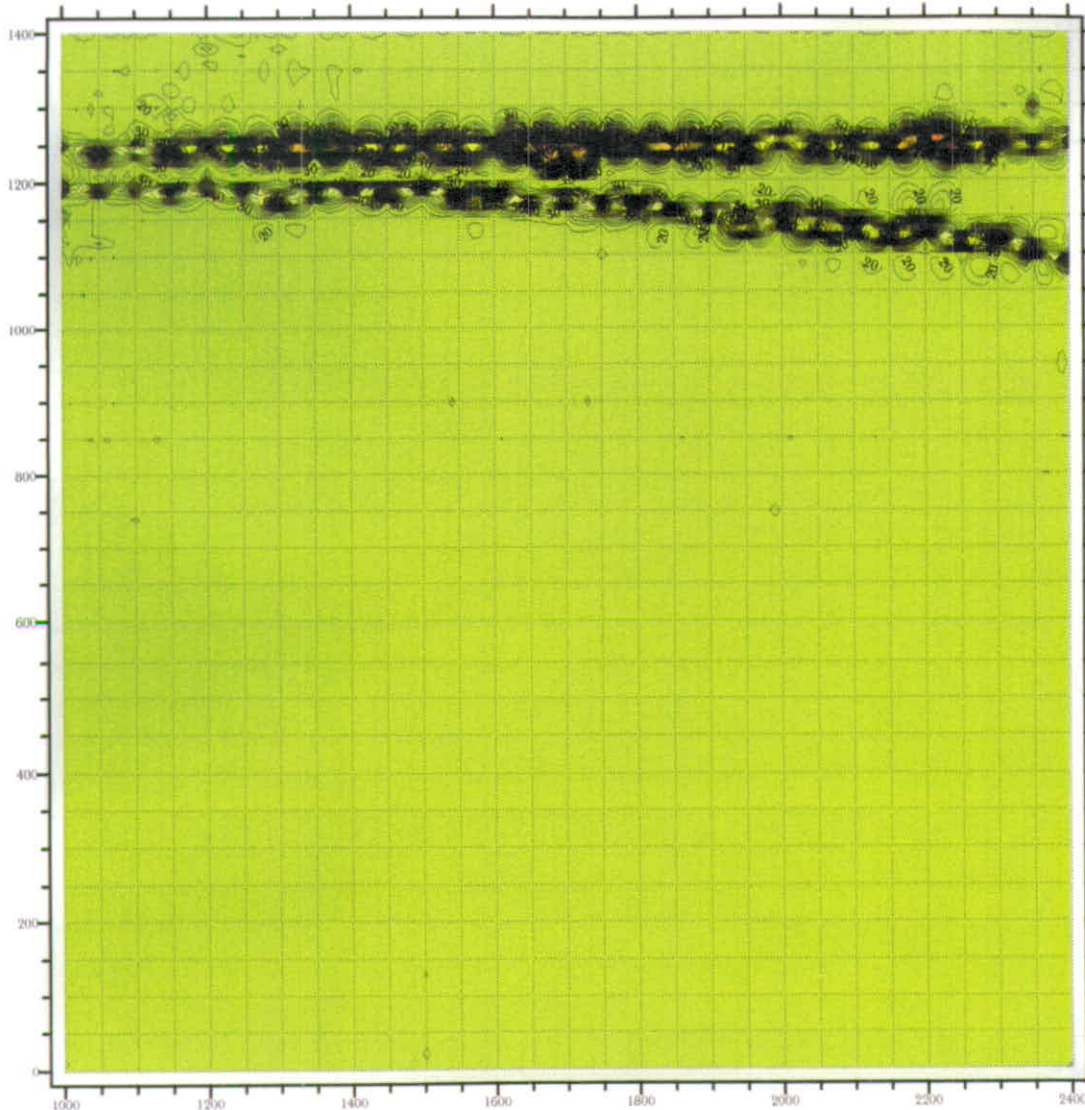
Figure  
**3-5**



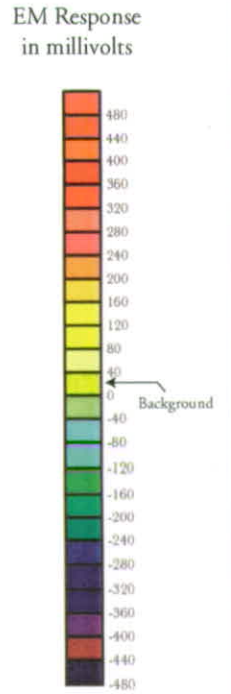
CWM SI Report Addendum 2

**Site 438  
Site Map and Geophysical  
Survey Area**




Date 1-02	Base Wide Edwards AFB	Figure 3-6
Project No. 35052		



Scale in feet  
Contour interval 5 millivolts



**Explanation**

-  Data points
-  200 Distance (feet) "north" and
-  1200 Distance (feet) "east" of local site-grid origin at 0, 1000

**Results**

No anomalies interpreted as burials of metallic debris-



North

CWM SI Report Addendum 2

**Site 438  
EM Contour Map**

Date 01-02  
Project No.  
35052

Edwards AFB

Figure  
**3-7**

#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

Review of the aerial photographic record since the first photographs were taken in 1945 found no evidence of disposal or burial activity at Sites 437 and 438. No evidence of disposal of mustard cans, picric acid, or fuzes was visible on the surface of the sites or surroundings. The EM geophysical surveys found no burials of metallic objects on the sites.

Based on aerial photographic review, field reconnaissance, and geophysical surveys, no further investigation (NFI) is recommended for Sites 437 and 438.

## 5.0 REFERENCES

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**APPENDIX A**  
**NOTES FROM FIELD RECONNAISSANCE**



9/30/99 Thin clear 90°F expected.  
 0720 meet at Davenport PIRA.  
 0748 Davenport Davenport for A-2.  
 Debbie Sealy guides us.  
 0810 Arrive at A-2, Site 436 area.  
 1048 We have walked/observed Site 436.  
 Observations: one can like we saw at the VORTAC site, 1.1 miles SW of 9/30/99.

9 1/4" x 14" x 14" x 14"

one chickenboard sign on ridge top.  
 (B) one 4' ft 3x3' woodpost.

Conclusions: one can does not a defusal site make!  
 Some can contents are unknown.  
 Historical airphotos also showed nothing.  
 Recommend no further action.

Next, sweep down the valley to circle road. One pass, 3 persons.

Observations: one food can 5' 2 x 3" dia. one wooden post weathered 4' x 4" x 20" 5' x 3"; slightly downstream of wind-swept point.  
 Conclusions unchanged.

MOVE TO OTHER SITE  
 1448 We have moved to Site 438 (SW of Kramer Jet.)  
 We walked/observed on north-south lines 150-ft spacing.

Observations: two 50-cal. casings, numerous drink and food cans, one plastic body-board (sitting), one trash-burner can.

Conclusions: No evidence of mustard can disposal -  
 BT other military debris  
 1515 Return roads to Davenport and sign out. Roger Nairn

10/1/99 Fri. SITE 437  
 0740 Meet at Kramer Junction. Plot out survey.  
 Same survey pattern as on previous page.  
 0930 We have walked/observed Site 437.  
 Observations: household trash under the Live Joshua tree -  
 beppings, cans, cans. Salt cans distributed along the wash where people drive. Salt cans & food cans scattered randomly in the remainder of the area. One shotgun shell missing.  
 Trash pit household junk, roofing, etc. at SW corner of development roads. (SSE of Site 437).

18' x 30'

1100 We did reconnaissance driving around the site upstream and downstream in the central drainage wash. We saw piles of household trash construction trash, junked automobile, auto parts, and other trash.

Conclusion: No evidence of mustard can burial.  
 All trash appears to be post-development area.

Roger Nairn

T. Guining  
 R. Norris  
 G. Procter

T. Guining  
 G. Procter  
 R. Norris

SITE 436 - 438

9/30/99 Thin clear 90°F expected.

0720 meet at Davenport PIRA.  
 0748 Davenport Davenport for A-2.  
 Debbie Sealy guides us.

0810 Arrive at A-2, Site 436 area.

1048 We have walked/observed Site 436.  
 Observations: one can like we saw at the VORTAC site, 1.1 miles SW of 9/30/99.

one chickenboard sign on ridge top.  
 (B) one 4' ft 3x3' woodpost.

Conclusions: one can does not a defusal site make!  
 Some can contents are unknown.  
 Historical airphotos also showed nothing.  
 Recommend no further action.

Next, sweep down the valley to circle road. One pass, 3 persons.

Observations: one food can 5' 2 x 3" dia. one wooden post weathered 4' x 4" x 20" 5' x 3"; slightly downstream of wind-swept point.  
 Conclusions unchanged.

MOVE TO OTHER SITE

1448 We have moved to Site 438 (SW of Kramer Jet.)  
 We walked/observed on north-south lines 150-ft spacing.

Observations: two 50-cal. casings, numerous drink and food cans, one plastic body-board (sitting), one trash-burner can.

Conclusions: No evidence of mustard can disposal -  
 BT other military debris  
 1515 Return roads to Davenport and sign out. Roger Nairn

**APPENDIX B**  
**MAP REFERENCES**

## APPENDIX B

## MAP REFERENCES

Defense Mapping Agency, 1990 (May 7). *Edwards AFB Test Range Instrumentation Map*, scale 1:62,500. DMA Aerospace Center, St. Louis Missouri.

G. Reynolds Watkins (GRW) Engineers, 1993 (January). *Geographic Information System, Base Mapping Supplement*, Edwards AFB, California, scale: 1"=200'

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U.S. Geological Survey, 1973. *Kramer Junction, Calif., 7.5 minute quadrangle*, scale 1:24,000.

**FINAL PAGE**

**ADMINISTRATIVE RECORD**

**FINAL PAGE**

# Appendix F. Wildlife Survey Technical Report

# **Wildlife Survey of a Proposed Transmission Line for the Aratina Solar Project, Kern County, California**

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July 8, 2020

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## **EXECUTIVE SUMMARY**

64NB 8ME LLC proposes to develop a photovoltaic energy facility (up to 600 MW-AC) identified as the Aratina Solar Farm that would be located on private lands and is addressed in separate reports. Power generated by Aratina could be delivered from the site via an up to a 230 kilovolt electrical transmission line (gen-tie line) originating from an on-site project substation and terminating at the Southern California Edison Kramer Substation.

The proposed 6.36 mile transmission line (Project) would be located entirely within an existing Edwards Air Force Base utility corridor (Corridor 5), and would utilize single- or double-circuit monopole and/or H-frame structures, typically spaced 500 to 700 feet apart. Corridor 5 is a 1,000 foot wide utility corridor that was one of several utility corridors addressed in a programmatic level Environmental Assessment by the U.S. Air Force. Transmission lines, such as the proposed project, were identified as one of the suitable utilities for Corridor 5.

Four transects were walked within the 100-foot wide Project corridor spaced at 10 meter intervals for a total of 25.4 transect miles. Surveys were conducted according to U.S. Fish and Wildlife Service desert tortoise survey protocols although all sensitive vertebrate species were included in the survey.

No desert tortoise or burrowing owl sign was detected. One inactive desert kit fox den was located along with three observations of common raven nests in existing transmission structures adjacent to the Project. Ravens are not a special status species but are granted protection like many bird species under the Migratory Bird Treaty Act of 1918. This protection is extended to their nests and eggs.

Detection of the California Threatened Mohave ground squirrel (MGS) requires trapping surveys during specific time periods. MGS trapping was outside the scope of the current survey and not conducted. However, Dr. Philip Leitner conducted a habitat assessment and concluded that the Project could support an MGS population.

No desert tortoise or burrowing owl sign was detected during the survey. Further, only one inactive desert kit fox den was detected. These data suggest that the Project is not occupied by these species. However, it must be acknowledged that the sample size of 25.4 miles of transects is relatively small and could result in failure to detect individuals that do not reside on the site but may walk onto the site and use it for forage. Additionally, 15 Joshua trees were recorded.

As a transmission line, only a small fraction of the area surveyed will have surface impacts. If necessary, small changes in engineering design will be completed in order to avoid sensitive species.

## **PROJECT DESCRIPTION**

64NB 8ME LLC proposes to develop a photovoltaic energy facility (up to 600 MW-AC) identified as the Aratina Solar Farm that would be located on private lands and is addressed in separate reports. Power generated by Aratina could be delivered from the site via an up to a 230 kilovolt (kV) electrical transmission line (gen-tie line) originating from an on-site project substation and terminating at the Southern California Edison Kramer Substation.

The proposed 6.36 mile transmission line (Project) would be located entirely within an existing Edwards Air Force Base utility corridor (Corridor 5), and would utilize single- or double-circuit monopole and/or H-frame structures, typically spaced 500 to 700 feet apart. Corridor 5 is a 1,000 foot wide utility corridor that was one of several utility corridors addressed in a programmatic level Environmental Assessment (U.S. Air Force 2016). Transmission lines, such as the proposed project, were identified as one of the suitable utilities for Corridor 5.

## EXISTING CONDITIONS

The Project lies within lands administered by Edwards Air Force Base (EAFB) within Kern and San Bernardino Counties generally to the south of and between Boron and Kramer Junction (Figure 1). The gen-tie is generally located within 300 feet of the northern boundary of EAFB except in the area of the Kramer Substation (Figure 2). The Project is located on the Lehman Ridge and Kramer Junction USGS 1:24000 quadrangles.

Cadastrally, the Project Area includes the following:

- Township 10N, Range 7W – portions of Sections 8, 9, 10, 11, and 12
- Township 10N, Range 6W – portions of Sections 6 and 7

A barbed wire fence along the northern boundary of EAFB lies within 300 feet north of the centerline of the western six miles of the proposed Project. At approximately six miles from its western terminus, the Project turns to the north and crosses the EAFB boundary fence but remains within EAFB lands (Figure 2). Land immediately to the north of the Project is undeveloped with the communities of Boron (population 2,253 in 2010 census; U.S. Census Bureau 2020) to west and Kramer Junction to the east. EAFB's Precision Impact Range Area (U.S. Air Force 2016) lies to the south of the Project. Similar undeveloped habitat lies to both the east and west of the Project. The eastern 5.4 miles of the Project lies at the northern boundary of the Fremont-Kramer ACEC which has been designated as desert tortoise critical habitat (Figure 2).

There is an existing "H" frame wooden pole transmission that lies within Corridor 5 immediately north of the Project. A dirt access road parallels the existing transmission line immediately to its north. This access road would provide access to the Project except for the western-most 3,340 feet and the eastern-most 4,340 feet where the Project deviates from the existing transmission line. In the eastern-most area, a dirt road parallel to the boundary fence would provide access to the point at which the transmission line turns to the north.

The Project is within the Antelope Valley which generally lies between the Tehachapi and San Gabriel Mountains. Elevations within the Project Area range from 2,493 near the eastern terminus at the Kramer Substation to 2,570 feet about two miles east of the western terminus. The area around the Project is relatively flat with some slight undulations. Drainage is generally to the north through several ephemeral washes.

With the Project's location on EAFB there is no human habitation on or near the Project. Constructed facilities near the Project include an Antelope Valley East Kern Water Agency building near the western terminus of the Project and near the eastern terminus, a California Department of Transportation yard adjacent to the Kramer Substation.

The dirt access road along the existing transmission line sees little use as evidenced by lack of vehicle tracks. There are a few intersecting dirt roads that generally traverse to the south that see even less use. By contrast, a dirt road just north of the EAFB boundary fence and off of Air Force property is used much more frequently.

An AT&T fiber optic line and attendant access road is located south of the Project at the south boundary of Corridor 5. As the proposed transmission line nears the Kramer Substation, it crosses a utility corridor containing the Mojave Gas Pipeline; a natural gas pipeline. The Project also crosses an indistinct and likely abandoned telephone line between the point at which the transmission line turns north towards the Kramer Substation and the point at which the existing transmission line crosses the EAFB boundary fence towards the Kramer Substation.

Two plant communities were dominant on the Project (Table 1, Figures 3a, 3b, and 3c). The majority of the Project lies within a *Larrea tridentata* – *Ambrosia dumosa* Shrubland Alliance (creosote bush – white bursage scrub; Sawyer et al, 2009; Photograph 1). The eastern portion of the Project and small, interspersed areas of the rest of the Project is dominated by *Atriplex spinifera* Shrubland Alliance (spinescale scrub; Photograph 2). Small portions of the project, in descending order of occurrence, were dominated by *Larrea tridentata* Shrubland Alliance (creosote bush scrub), *Ambrosia dumosa* Shrubland Alliance (white bursage scrub), and *Atriplex polycarpa* Shrubland Alliance (allscale scrub). Joshua trees are generally found throughout both plant communities but not at such a density to be considered Joshua tree woodland (> 1% cover), a sensitive natural community (Figure 4; CDFW 2018)

**Table 1. Aratina Gen-tie Vegetation Communities**

Vegetation Community <sup>1</sup>	Aratina gen-tie	
	Acres	Percent
<i>Larrea tridentata</i> - <i>Ambrosia dumosa</i> Shrubland Alliance (creosote bush - white bursage scrub)	41.58	54.2%
<i>Atriplex spinifera</i> Shrubland Alliance (spinescale scrub)	30.50	39.8%
<i>Larrea tridentata</i> Shrubland Alliance (creosote bush scrub)	3.18	4.1%
<i>Ambrosia dumosa</i> Shrubland Alliance (white bursage scrub)	0.73	1.0%
<i>Atriplex polycarpa</i> Shrubland Alliance (allscale scrub)	0.67	0.9%
<b>TOTAL</b>	<b>76.66</b>	<b>100.0%</b>

<sup>1</sup>. Vegetation communities per Sawyer et al. 2009

## METHODS

### Protocols

#### *Desert Tortoise*

Agassiz's desert tortoise (*Gopherus agassizii*) is a state and federally (USFWS 1990) listed Threatened species. It is the only *Gopherus* species that occurs in California, where it is the state reptile. In this report, the term “tortoise” or “desert tortoise” refers to Agassiz's desert tortoise.

USFWS protocols (USFWS 2019) define the “action area” of a project to include all areas to be affected directly or indirectly by a project action. For the Aratina gen-tie, the action area was defined as 50 feet on either side of the transmission line centerline and the existing parallel access road.

A 100% coverage survey as defined in the USFWS's protocol (USFWS 2019) was conducted for desert tortoise within the action area. In brief, these protocols specify the following:

- An option to conduct 100% coverage surveys or probabilistic sampling if the site is large enough. The threshold to allow probabilistic sampling for the Western Mojave Desert is 3,290 acres.
- Transects spaced at 10 meter intervals if 100% coverage surveys are utilized
- Surveys for large projects to be conducted during tortoise's active periods, April 1 to May 31 or September 1 to October 31 when the shaded air temperatures are below 35°C (95°F) at 5 cm (2 inches) above ground. An allocation for linear projects is made such that they can be conducted at any time of the year.
- Surveys to cover the “action area” which includes all areas to be affected directly or indirectly by a project action.

### *Burrowing Owl*

Federally, western burrowing owls (*Athene cunicularia hypugaea*) are a Bird of Conservation Concern. On the state level they are a Species of Special Concern (Table 3). A survey for burrowing owl was conducted according to CDFW protocols (CDFG 2012). Prior to 2013 CDFW was known as the California Department of Fish and Game [CDFG]).

In brief, these protocols specify the following:

A total of four site surveys either within breeding season (1 February to 31 August) or outside of breeding season with breeding season surveys conducted at least 3 weeks apart between 15 April and 15 July with at least one visit after 15 June. This survey was a breeding season survey.

- Transects spaced at 7 to 20 meters apart and adjusted for vegetation height and density.
- Recording all potential burrows used by burrowing owls as determined by the presence of one or more burrowing owls, pellets, prey remains, whitewash, or decoration.
- Survey of a 150-meter wide buffer outside of the project perimeter.
- A provision by CDFW to propose alternate survey methods for large projects.

### *Mohave Ground Squirrel*

Detection of the California Threatened Mohave ground squirrel (*Xerospermophilus mohavensis*; MGS) requires trapping surveys during specific time periods. MGS trapping was outside the scope of the current survey and not conducted. However, a habitat assessment was conducted for MGS by Dr. Philip Leitner between February 9 and 12, 2019 (Leitner 2019). This habitat assessment was completed to determine the potential for occurrence as well as impacts to this species from proposed project development. The habitat assessment also included a review of the CNDDDB and maps for MGS occurrences within the project vicinity.

### *Western Joshua Tree*

The locations of all Joshua trees, regardless of size, were recorded. The western Joshua tree (*Yucca brevifolia* var. *brevifolia*) is currently protected under the California Desert Native Plants Act (CDNPA; CDFW 2020a). Implementation of the CDNPA is the responsibility of the individual Counties where the species occur. Both Kern and San Bernardino Counties have permitting procedures in place for the species. In response to a petition to list the western Joshua tree as a threatened species under the California Endangered Species Act (CESA), CDFW staff has recommended that the California Game and Fish Commission (Commission) accept the petition for further consideration (CDFW 2020b). It is expected that the Commission will address the topic in their August, 2020 meeting. If the Commission accepts CDFW's recommendation to accept the petition, the species becomes a candidate species. As a candidate for listing, the species is temporarily afforded the same protections as a state-listed threatened species. CDFW will prepare a peer-reviewed status report on the species and the Commission will decide at a public meeting whether the petitioned action is warranted. If the Commission finds that the petitioned action is not warranted, the process will end, and the species will be removed from the list of candidate species. If the Commission finds that the petitioned action is warranted, the species will be added to the list of threatened species (CDFW 2020c).

### *Other Species*

In addition to protocol surveys for desert tortoise and burrowing owls, the entire Project Area was surveyed for other wildlife species. All other special status species and their sign were noted if observed. This included, but was not limited to, desert kit fox (*Vulpes macrotis arsipus*), American badger (*Taxidea taxus*), sensitive bird species, and bird nests. The desert kit fox currently does not have federal or California special status, but it is protected from hunting as a fur-bearing mammal under Title 14 of the California Code of Regulations, Section 460.

## Field Methods

Four transects spaced at ten meter intervals, with two on either side of the Project centerline, were walked for a total of 25.4 transect miles. Burrowing owl buffers were not walked adjacent to the gen-tie because most of the potential surface impacts are associated with relatively small tower structures. All transects were walked parallel to the Project so most transects were generally east-west except for the north-south transects near the Kramer Substation.

Surveys were conducted between June 2 and 5, 2020. All surveys were conducted by Gilbert Goodlett who walked approximately eight transect miles per day. All transects and the boundaries of the survey area were downloaded to handheld GPS and the GPS was used to navigate the transects.

The biologist focused his search within an approximate 180° arc and 5 meter radius centered in front of him. He remained on his transect centerline except to investigate shrubs, trees, and other landscape features which prevented the biologist from seeing an item of interest.

After investigation of a feature, the biologist returned to the transect centerline. This ensured accurate coverage of the survey area. The biologist avoided staring at the GPS units to maintain his track. Instead he selected an object on the horizon to use as a target and occasionally checked the GPS for their position with respect to the intended transect. Less than 10% of the biologist's time was spent looking at the GPS.

Desert tortoise related data collected included the following:

- Observer name
- Date
- Location of observation (UTM, WGS84)
- Burrows and coversites
  - Burrow class
    - § Class 1 - Currently active, with tortoise or recent tortoise sign
    - § Class 2 - Good condition, definitely tortoise, no evidence of recent use
    - § Class 3 - Deteriorated condition; definitely tortoise
    - § Class 4 - Deteriorated condition; possibly tortoise
    - § Class 5 – Good condition; possibly tortoise
  - Burrow dimensions (length, width, height, soil cover [mm])
  - Burrow aspect – direction mouth of burrow is facing
- Scat
  - Class (this year [TY] or not this year [NTY])
  - Number of individual items of scat
- Live tortoise
  - Maximum carapace length (MCL, mm)
  - Sex – male, female, or unknown. Sex cannot be reliably determined for animals under 180 mm MCL
  - Location – in burrow, under shrub, in open, etc.
  - Activity - resting, basking, walking, feeding, interacting, other
  - Health notes - signs of upper respiratory tract disease, cutaneous dyskerotosis, etc.

- Carcasses
  - MCL (mm)
  - Sex – male, female, or unknown. Sex cannot be reliably determined for animals under 180 mm MCL
  - Position - upright, inverted, disarticulated
  - Cause of death – often unknown; detectable indications of cause of death could include predator chew marks, predator scat nearby, or gunshot wounds
  - Time-since-death in standard categories (Berry and Woodman, 1984)
    - § < 1 year
    - § 1 to 2 years
    - § 2 to 4 years
    - § > 4 years
- Other sign such as tracks, drinking depressions (tortoise created water catchments), courtship rings (circular disturbed areas in the soil created by tortoise courtship activities), etc.
- Additional notes

Data collected for desert kit fox included:

- Observer name
- Date
- Location of observation (UTM, WGS84)
- Status of den
  - Inactive
  - Active
  - Pupping
- Number of entrances to den
- Detailed observational notes

Data collected for burrowing owl included:

- Observer name
- Date
- Location of observation (UTM, WGS84)
- Status of burrow
  - Inactive
  - Active
- Burrowing owl sign observed at burrow
  - Feathers
  - Pellets
  - Prey items

- Whitewash
- Observation of a live burrowing owl
  - At a burrow
  - Not associated with a burrow
- Detailed notes on observation

Data collected for other species observations included:

- Observer name
- Date
- Location of observation (UTM, WGS84)
- Species
- Detailed notes on observation

In the field, all data were collected using an Apple iPhone® and the application Avenza Maps for which a custom data collection schema was developed. The cumulative data were uploaded daily to a cloud storage site (Dropbox.com). Photographs were taken of every item of sign trackable to a unique sequential sign identification number assigned in Avenza Maps. Photographs were also taken of typical habitat features. The application Theodolite was used to take all photographs. Theodolite imprints data to a digital photograph. These data include the date and time, location in Universal Transverse Mercator (UTM) coordinates, altitude, datum, direction the camera is pointed, elevation and horizon angles, zoom level, and custom notes.

No desert tortoises were handled during the survey. All burrows and potential coversites were investigated by using a mirror to reflect sunlight into the burrow. Neither probes nor downhole cameras were utilized to investigate burrows to prevent potentially harassing tortoises.

At 0800 and 1200, weather conditions were recorded. Weather conditions included the shaded air temperature at 1.5 meters measured with a 0.1 °C precision thermister, the ocularly estimated percentage of cloud cover and type of clouds, and wind speeds and direction. Winds speeds were measured with a Kestrel® brand electronic wind meter. Measurements were taken until average wind speeds stabilized. The average and maximum wind speeds were recorded. Wind direction was estimated by observing the drift direction of a handful of fine soil that was dropped. These data are listed in Appendix 2.

In addition to recorded temperature data, 5 cm shaded air temperatures were routinely taken on warm days during the active survey time period to ensure that the peak desert tortoise survey temperature of 35 °C at 5 cm was not exceeded. Cooler temperatures prevailed during the survey and the 5 cm temperature never approached the maximum.

Incidental observations were recorded of all vertebrate species observed to develop a comprehensive species list. Additionally, detailed notes and locations were recorded if sign of any special status species were noted. Focus species included desert kit fox, American badger, Mohave ground squirrel, burrowing owl, and a variety of other special status bird species.

Specific to burrowing owls, sign observations were placed in the following categories – live burrowing owls that did not appear to be associated with a burrow, live burrowing owls at or otherwise associated with a burrow or burrows, active burrowing owl burrows, and inactive burrowing owl burrows. Active burrowing owl burrows were of an appropriate size for use by a burrowing owl and one or more of the following recent items of sign were present – whitewash (uric acid excretions which are the equivalent of urine in mammals), owl feathers, pellets (undigested parts of owl’s food that are regurgitated), remains of prey items, and disturbed area in the mouth of a burrow consistent with owls. Inactive burrows were similar to active burrowing owl burrows except that the sign was not recent. Inactive burrows are often difficult to determine because the sign persists for a limited time after a burrow becomes inactive.

Specific to desert kit fox, sign observations included pupping, active, and inactive kit fox dens. Pupping or natal dens were identified by observation of pups, hearing pups in the den, or den characteristics. Pupping den characteristics include multiple entrances to a den that show evidence of heavy use. The presence of prey items and scat tended to confirm a den’s designation as a pupping den.

An active kit fox den was identified as an appropriately sized den with a typically narrow entrance, often with multiple access points, with one or more of the following recent items of sign were present – disturbance in one or more entrances showing recent use, fox tracks in the vicinity, remains of prey items nearby, live foxes heard or seen in den, or flies in the burrow indicating a likely prey item inside. Inactive kit fox dens possess the same general characteristics less the recent sign and are more difficult to identify than active kit fox dens.

### Identification Resources

Identification of plants followed The Jepson Manual: Vascular Plants of California (Baldwin 2012) and plant communities followed A Manual of California Vegetation: Second Edition (Sawyer, et al. 2009).

Bird identification resources included A Field Guide to Western Birds (Peterson 1993), Field Guide to the Birds of North America (National Geographic Society 1987), and Stokes Field Guide to Birds: Western Region (Stokes 1996). Mammal identification resources included California Mammals (Jameson 1988) and A Field Guide to the Mammals of North America North of Mexico (Burt and Grossenheider 1980). Reptile identification resources included A Field Guide to Western Reptiles and Amphibians (Stebbins 1985).

## RESULTS

### Desert Tortoise and Burrowing Owl

No desert tortoise or burrowing owl sign was detected in 25.4 miles of transects walked within the action area of the Project.

### Mohave Ground Squirrel

The Project is within the geographic range of MGS and there are multiple records of this species being trapped and identified during surveys within the Project. The current CNDDDB contains multiple records of MGS in the general vicinity of the Project.

Given the intact nature of the vegetation communities, limited human disturbances, the appropriate soil types for burrow construction, and the availability of forage and cover from predators and weather events, Dr. Philip Leitner concluded that the proposed Project could support an MGS population (Leitner 2019).



## Desert Kit Fox

One inactive desert kit fox den was located during the survey (Figure 4, Photograph 3). There was no evidence of recent use of any of the four entrances.

## Western Joshua Tree

A total of 15 Joshua trees were found within the Project. The area surveyed for the Project was a 100-foot wide corridor for a transmission line. Surface impacts from a transmission line are generally limited to a small fraction of the total corridor and includes tower sites, access roads, tensioning and pull sites, and staging areas. At this point only the preliminary planned locations for the tower sites is known. The location of Joshua trees was cross-referenced with these tower site locations and no overlap was noted. In general, there is enough flexibility in the engineering of a transmission line such that avoidance of all Joshua trees can be accomplished.

## Other Special Status Species

There were three observations of common raven (*Corvus corax*) nests on the cross beams of three of structures of the existing transmission line (Figure 4, Photograph 4). Ravens are not a special status species but are granted protection, like many bird species, under the Migratory Bird Treaty Act of 1918 (USFWS 2020). This protection is extended to their nests and eggs.

Common ravens are also a well-known predator of juvenile tortoises. It takes several years for the bones underlying the scutes on a juvenile desert tortoise to ossify. During this time, they are vulnerable to predation by several species, including common ravens. Ravens can peck a hole in the shell and remove and consume the juvenile tortoise leaving only the shell remains. The resulting hole in the carcass is a distinctive indicator of raven predation. Ravens will sometimes consume juvenile tortoises where they are found. Other times, ravens will carry the juvenile tortoise to their nest, consume the animal, and discard the carcass from the nest. This results in juvenile tortoise carcasses sometimes being found below raven nests. No juvenile carcasses were found below the three raven nests found on the Project.

## General Species Observations

A total of 13 vertebrate species were detected within the Project (Appendix 1). These included seven bird species, two mammal species, and four reptile species.

## Survey Weather Conditions

Surveys were conducted when weather conditions were conducive to the observation of active desert tortoises. In cooler temperatures, surveys could be conducted during the mid-day while in warmer conditions bimodal surveys in the early morning and late afternoon were utilized. In general, the survey effort was skewed towards the morning, hence the collection of weather data at 0800 and 1200 (Appendix 2, Figure 5).

The average 0800 temperature was 76.1 °F and the average 1200 temperature was 90.4 °F. The minimum 0800 temperature encountered was 71.2 °F and the maximum 1200 temperature was 96.1 °F.

Temperatures throughout the survey period in the morning were relatively cool and below the protocol maximum of 35 °C (95 °F) shaded air temperature at 5 cm on all survey days.

Winds were generally from the west. The average wind speed for the 0800 to 1200 time frame was 2.3 mph, with an average survey 0800 wind speed of 2.1 mph and average 1200 wind speed of 2.6 mph. The average maximum wind speed encountered at 0800 was 4.0 mph, while the average maximum wind speed encountered at 1200 was 4.7 mph. Maximum wind speed encountered was 7.4 mph on June 5, 2020.

## DISCUSSION

No desert tortoise or burrowing owl sign was detected during the survey. Further, only one inactive desert kit fox den was detected. These data suggest that the Project is not occupied by these species. However, it must be acknowledged that the sample size of 25.4 miles of transects is relatively small and could result in failure to detect individuals that do not reside on the site but may walk onto the site and use it for forage. Additionally, 15 Joshua trees were recorded.

As a transmission line, only a small fraction of the area surveyed will have surface impacts. If necessary, small changes in engineering design will be completed in order to avoid sensitive species.

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## **FIGURES**

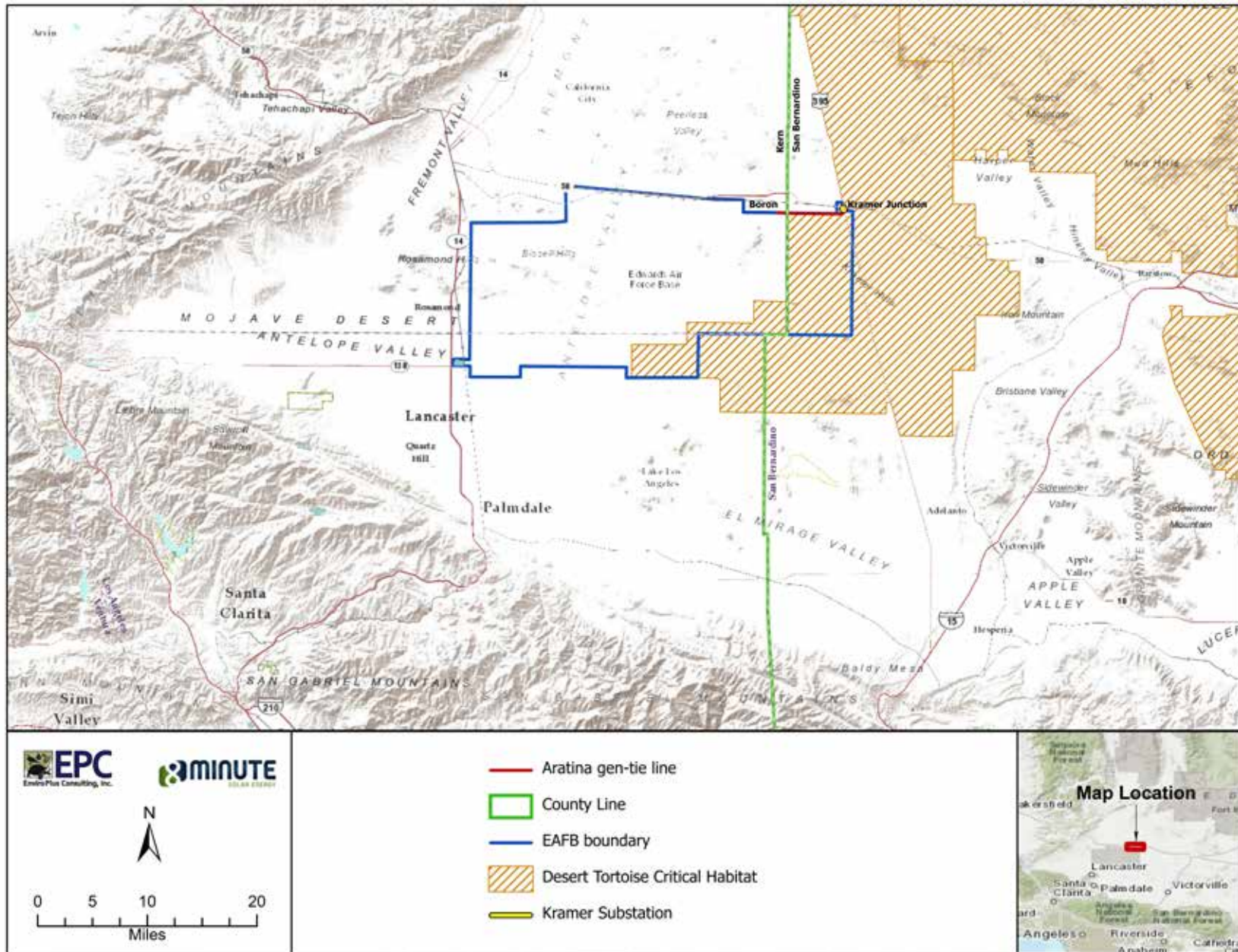


Figure 1. Aratina gen-tie project vicinity

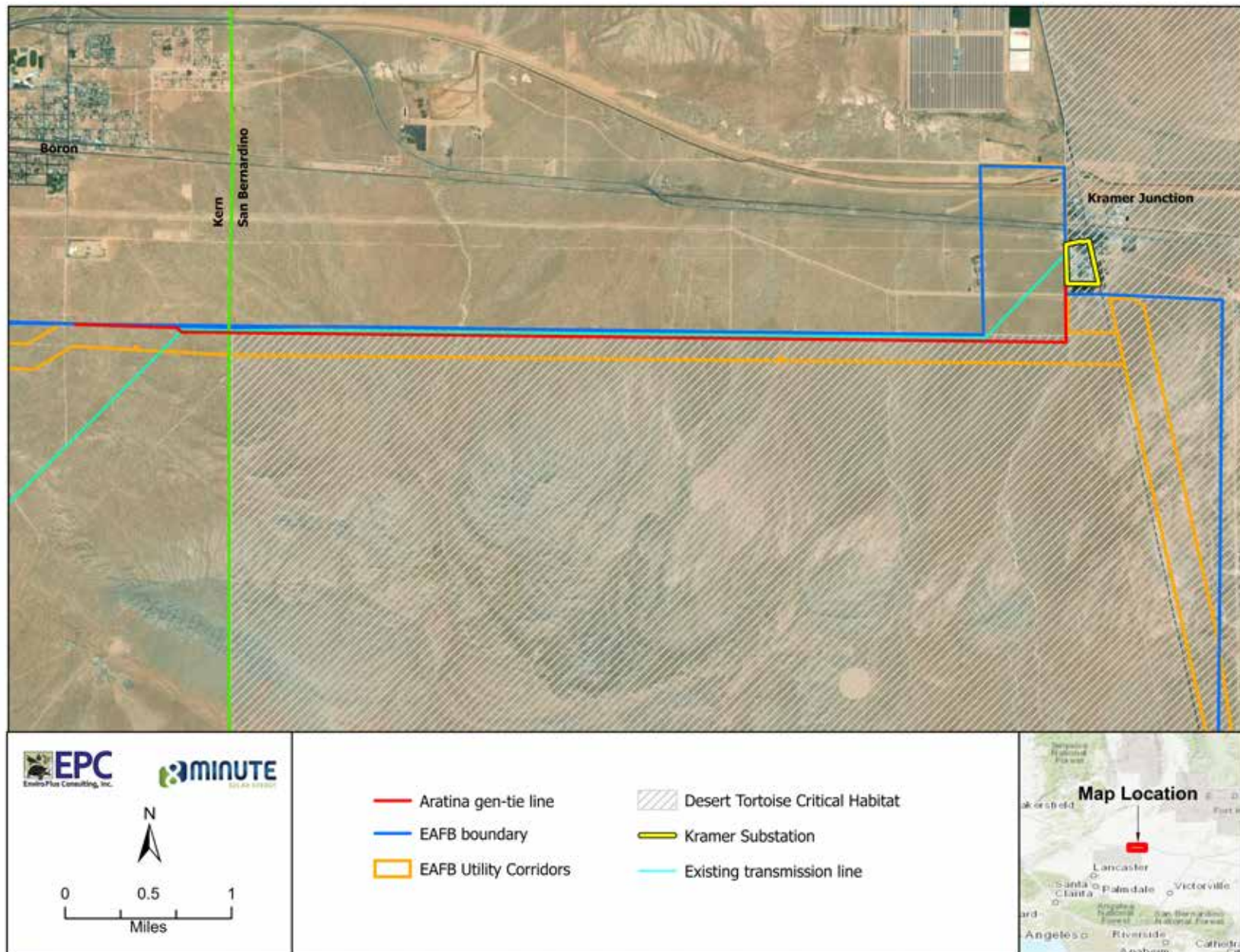


Figure 2. Aratina gen-tie project site

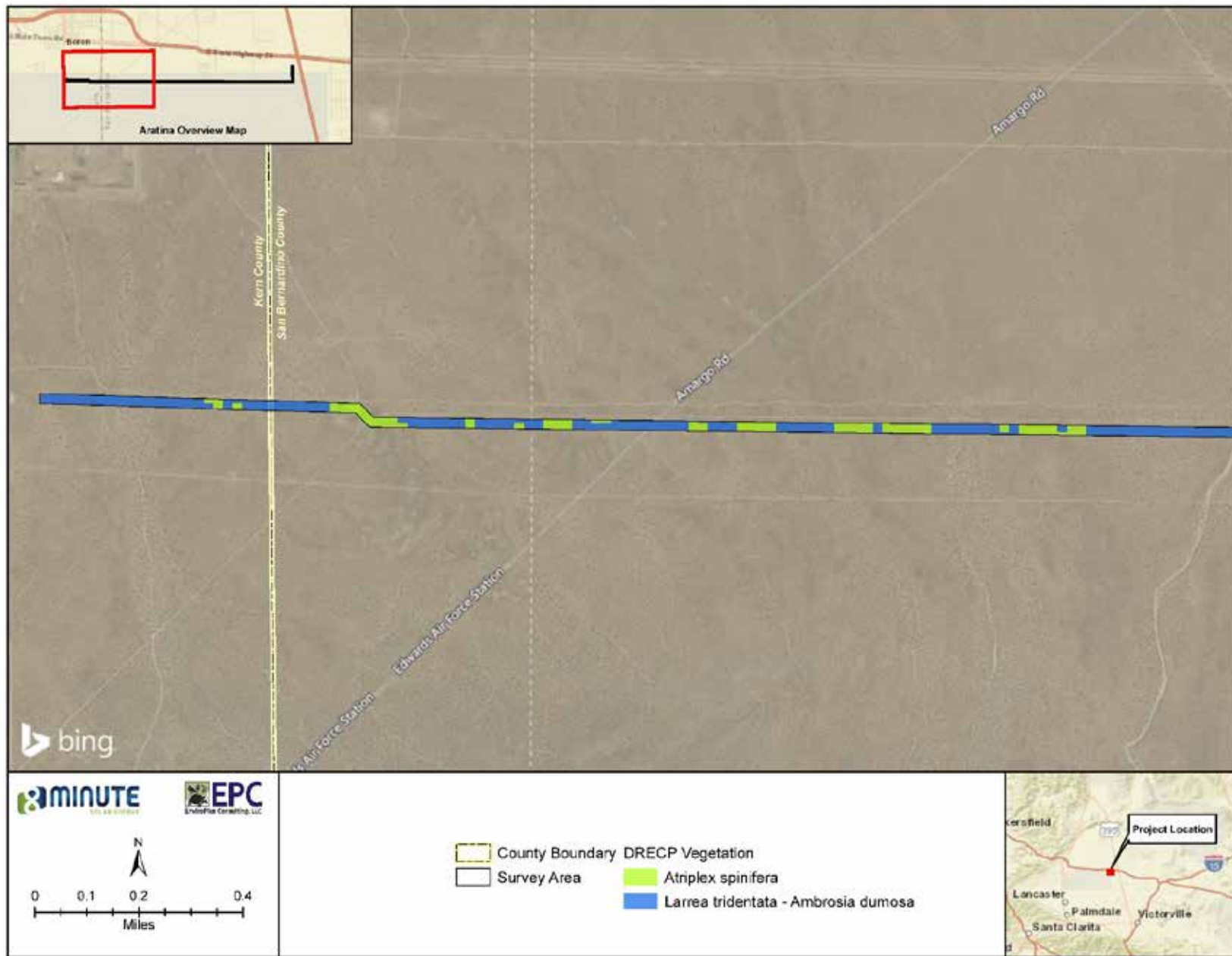


Figure 3a. Aratina gen-tie project vegetation types – western portion

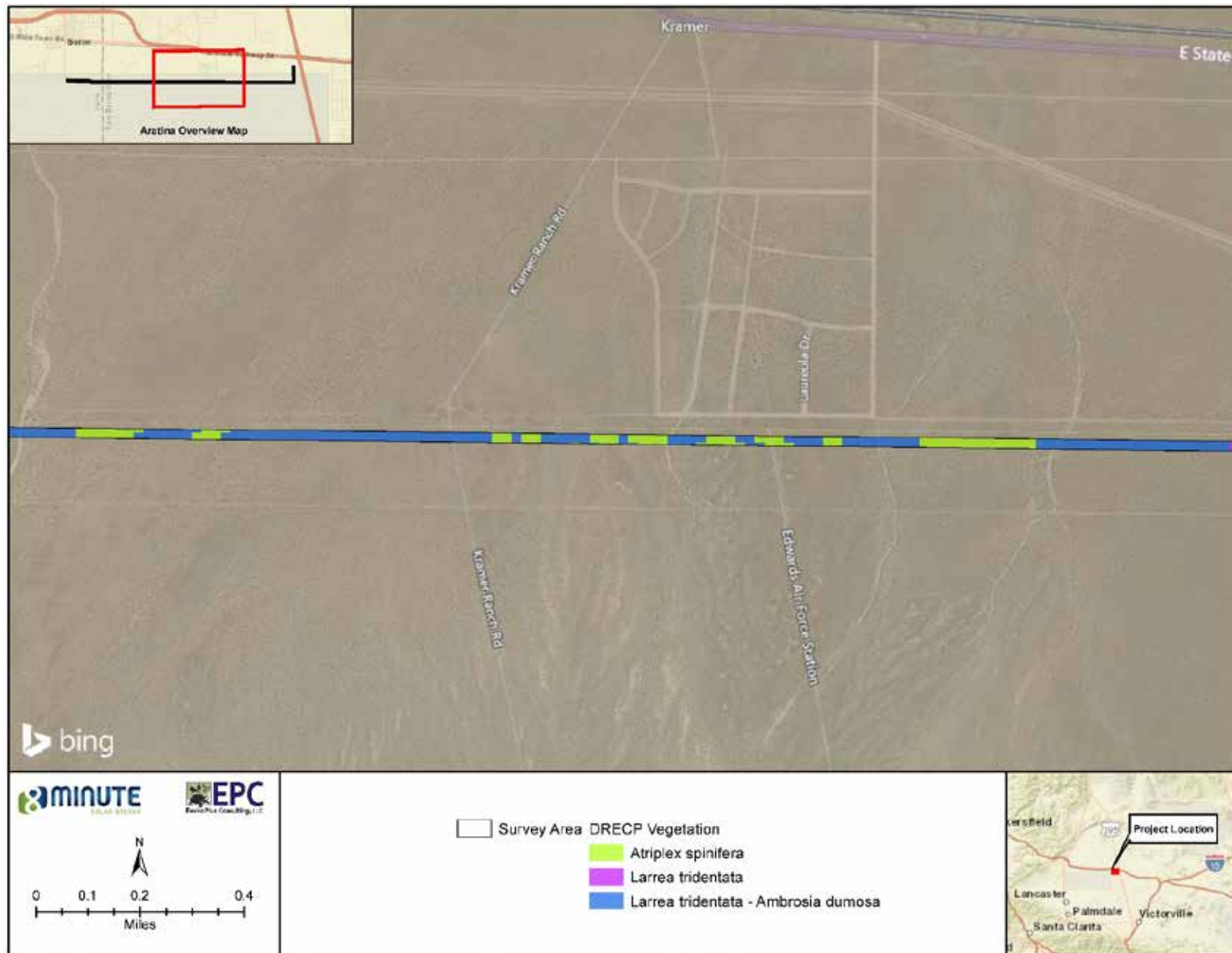


Figure 3b. Aratina gen-tie project vegetation types – central portion



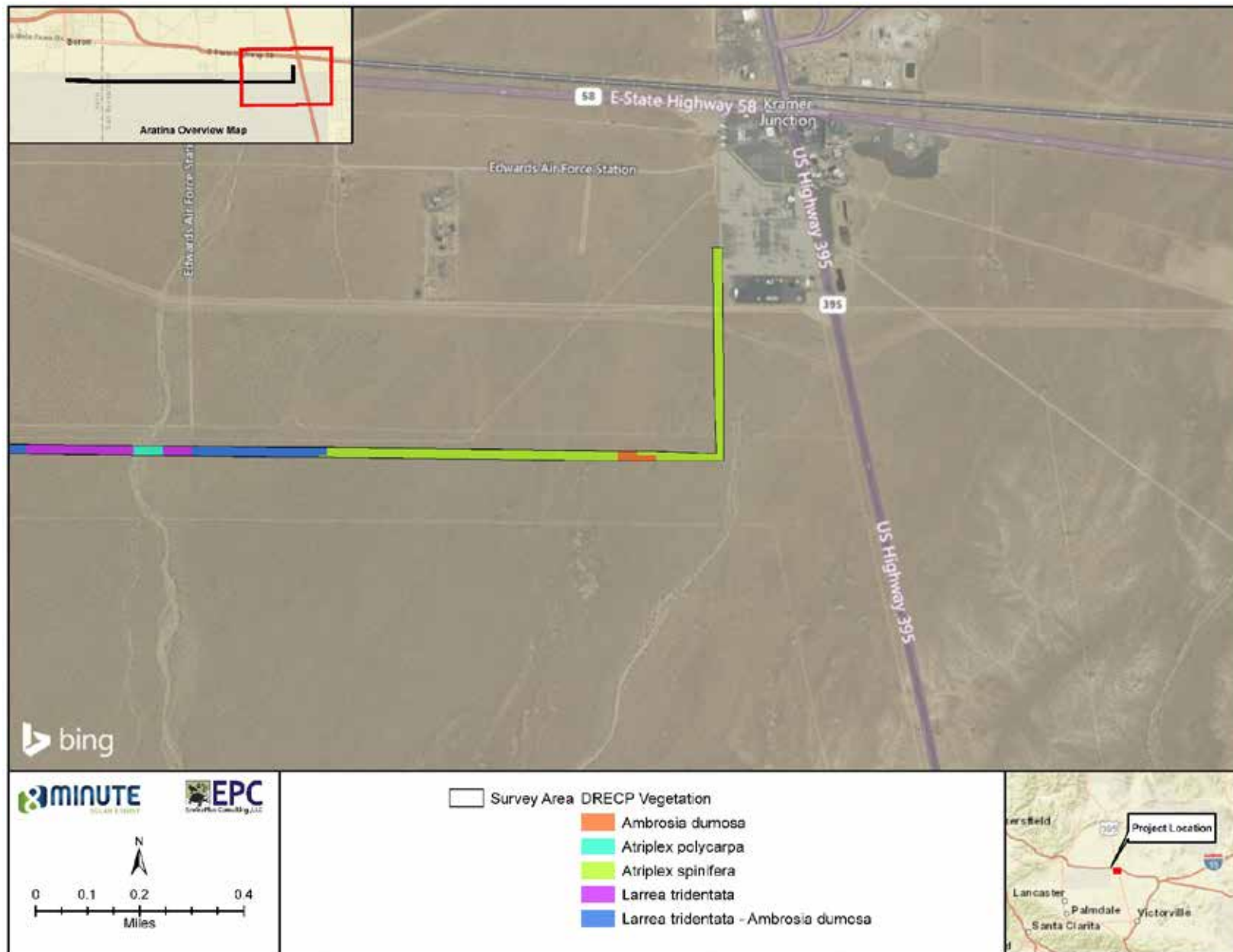


Figure 3c. Aratina gen-tie project vegetation types – eastern portion

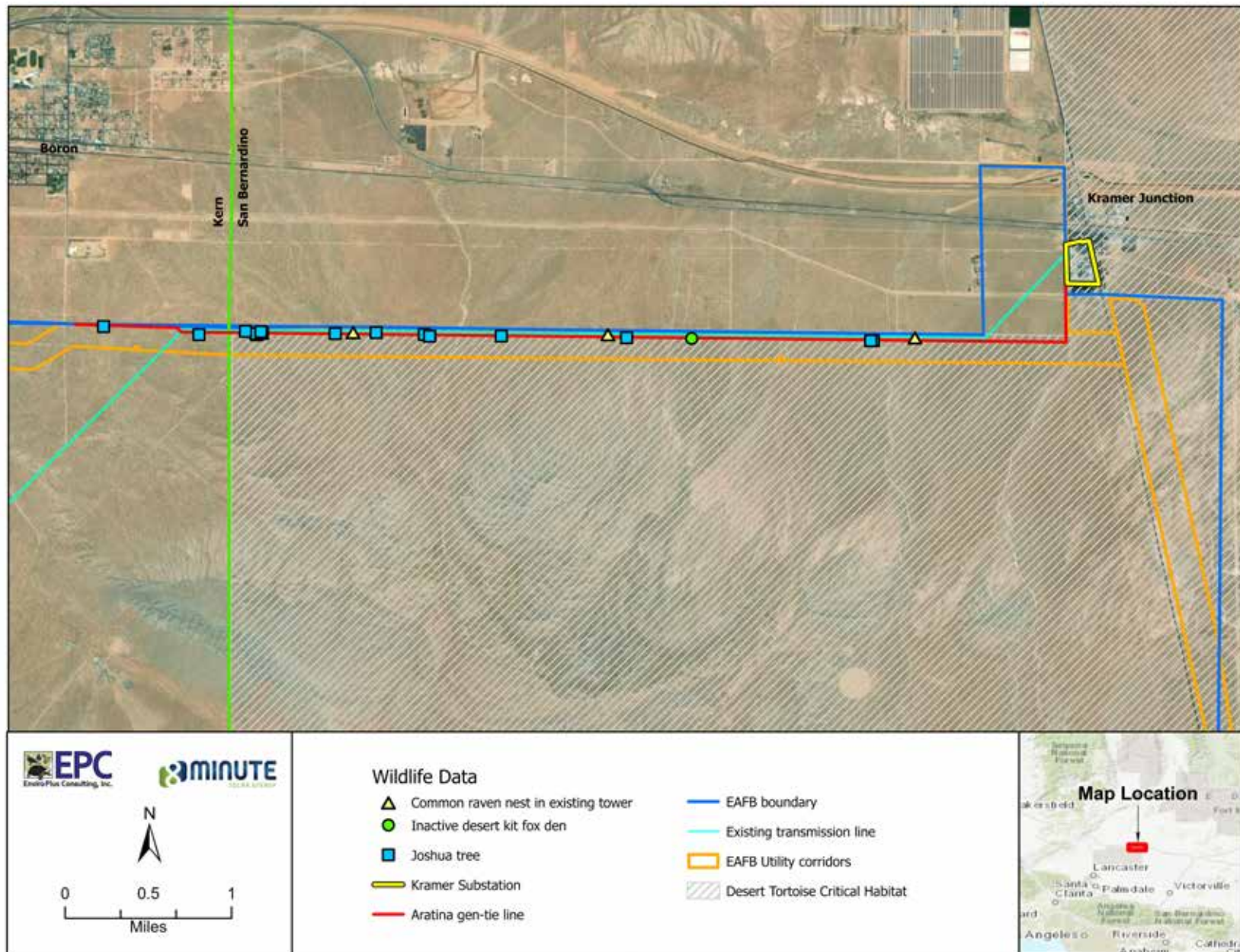


Figure 4. Aratina project site wildlife and Joshua tree locations

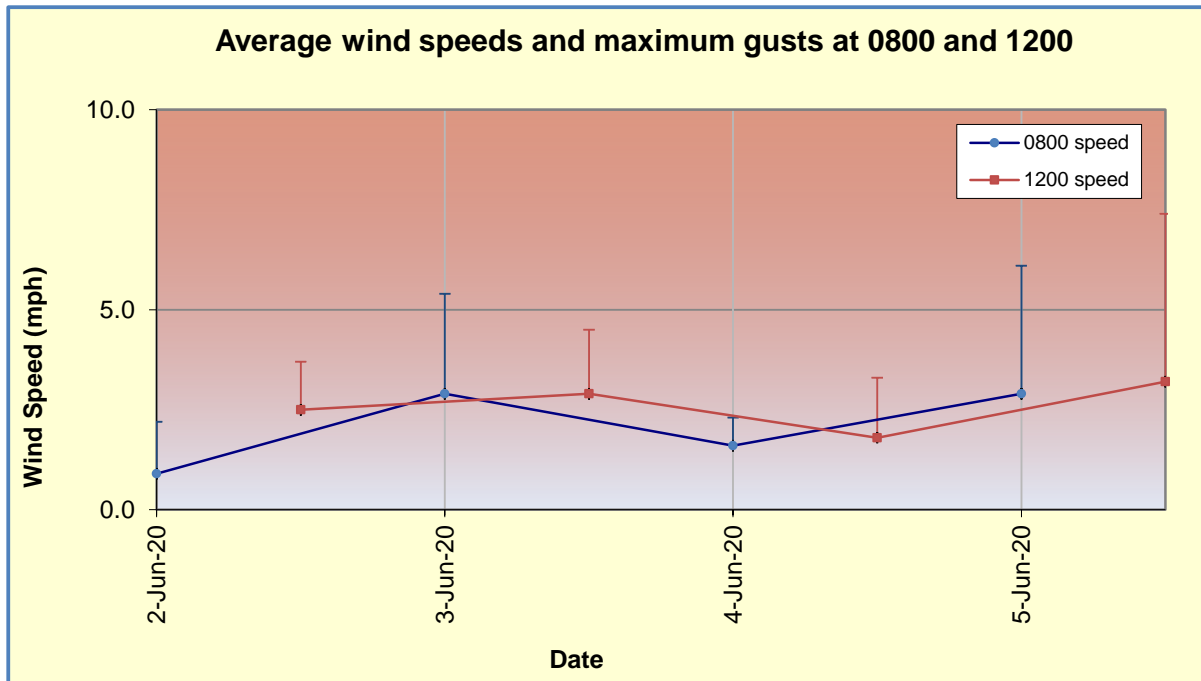
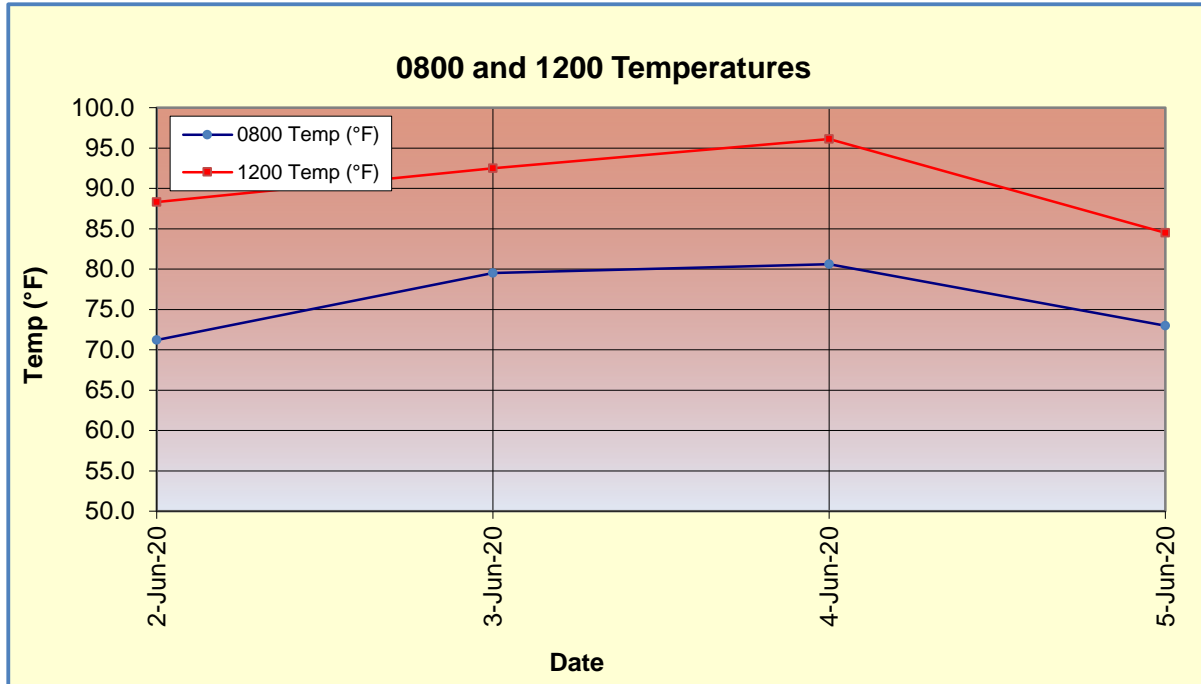


Figure 5. Shaded air temperatures and wind conditions at 0800 and 1200 for Aratina gen-tie biological survey

## PHOTOGRAPHS



Photograph 1. Typical habitat along Aratina gen-tie - *Larrea tridentata* – *Ambrosia dumosa* Shrubland Alliance



Photograph 2. Typical habitat along Aratina gen-tie - *Atriplex spinifera* Shrubland Alliance



**Photograph 3. Inactive desert kit fox den along Aratina gen-tie**



**Photograph 4. Raven nest on cross member in existing structure near Aratina gen-tie**

## Appendices

### Appendix 1. List of Birds, Mammals, and Reptiles Detected During Aratina Survey

Scientific Name	Common Name
<b>BIRDS</b>	
<b>ORDER: COLUMBIFORMES</b>	<b>DOVES AND PIGEONS</b>
<b>Columbidae</b>	<b>Pigeons and Doves</b>
<i>Zenaida macroura</i>	Mourning Dove
<b>ORDER: PASSERIIFORMES</b>	<b>PASSERINES AND PERCHING BIRDS</b>
<b>Tyrannidae</b>	<b>Flycatchers</b>
<i>Sayornis saya</i>	Say's Phoebe
<i>Tyrannus verticalis</i>	Western Kingbird
<b>Laniidae</b>	<b>Shrikes</b>
<i>Lanius ludovicianus</i>	Loggerhead Shrike
<b>Corvidae</b>	<b>Jays, Magpies, and Crows</b>
<i>Corvus corax</i>	Common Raven
<b>Troglotytidae</b>	<b>Wrens</b>
<i>Campylorhynchus brunneicapillus</i>	Cactus Wren
<b>Emberizidae</b>	<b>Emberizids</b>
<i>Artemisospiza belli</i>	Bell's Sparrow
<b>MAMMALS</b>	
<b>ORDER: RODENTIA</b>	<b>GNAWING MAMMALS</b>
<b>Sciuridae</b>	<b>Squirrels</b>
<i>Ammospermophilus leucurus</i>	Whitetail Antelope Squirrel
<b>ORDER: LAGOMORPHA</b>	<b>PIKAS, HARES, AND RABBITS</b>
<b>Leporidae</b>	<b>Hares and Rabbits</b>
<i>Lepus californicus</i>	Black-tailed Jackrabbit
<b>REPTILES</b>	
<b>ORDER: SQUAMATA</b>	<b>LIZARDS AND SNAKES</b>
<b>Phrynosomitidae</b>	<b>Phrynosomids</b>
<i>Phrynosoma platyrhinos</i>	Desert Horned Lizard
<b>Crotaphytidae</b>	<b>Collared and Leopard Lizards</b>
<i>Gambelia wislizenii</i>	Long-nosed leopard lizard
<b>Teiidae</b>	<b>Whiptails</b>
<i>Aspidoscelis tigris</i>	Western Whiptail
<b>Colubridae</b>	<b>Colubrids</b>
<i>Chionactis occipitalis</i>	Western Shovel-nosed Snake



## Appendix 2. Aratina Gen-tie Survey Weather Data

Date	0800 Temp. (°F)	0800 Cloud Cover (%)	0800 Average Wind Speed (mph)	0800 Maximum Wind Speed (mph)	0800 Wind Direction	1200 Temp. (°F)	1200 Cloud Cover (%)	1200 Average Wind Speed (mph)	1200 Maximum Wind Speed (mph)	1200 Wind Direction
6/2/2020	71.2	75%	0.9	2.2	W	88.3	80%	2.5	3.7	E
6/3/2020	79.5	20%	2.9	5.4	N	92.5	15%	2.9	4.5	W
6/4/2020	80.6	0%	1.6	2.3	N	96.1	0%	1.8	3.3	W
6/5/2020	73.0	80%	2.9	6.1	W	84.5	80%	3.2	7.4	W



# EPC

EnviroPlus Consulting, Inc.

1660 West Franklin Avenue  
Ridgecrest, CA 93555  
Tel: (760) 371-3592  
Fax: (928) 395-9015  
e-mail: [torthunter@aol.com](mailto:torthunter@aol.com)

# Technical Memo

**To:** Alexander Sundquist, 64NB 8me LLC  
**From:** Gilbert Goodlett  
**Date:** April 4, 2021  
**Re:** Summary of a Joshua tree census of a proposed transmission line on Edwards Air Force Base

---

64NB 8me LLC proposes to develop a photovoltaic energy facility (up to 530 MW-AC with 600 MW AC energy storage) identified as the Aratina Solar Farm that would be located on private lands. Power generated by Aratina would be delivered from the site via an up to a 230 kilovolt electrical transmission line originating from an on-site project substation and terminating at the Southern California Edison Kramer Substation.

The proposed 6.36 mile transmission line (Project) would be located entirely within an existing Edwards Air Force Base utility corridor (Corridor 5), and would utilize single- or double-circuit monopole and/or H-frame structures, typically spaced 500 to 700 feet apart. Corridor 5 is a 1,000 foot wide utility corridor that was one of several utility corridors addressed in a programmatic Environmental Assessment (EA) by the U.S. Air Force. Transmission lines, such as the proposed project, were identified as one of the suitable utilities for Corridor 5. Most of the proposed Project lies just inside designated desert tortoise critical habitat.

On September 22, 2020, the California Fish and Game Commission (CFGF) accepted for consideration a petition to list the western Joshua tree (*Yucca brevifolia*; WJT) as threatened or endangered under the California Endangered Species Act and made the WJT a candidate species. Subsequently, CFGF adopted a regulation authorizing incidental take of WJT during the candidacy period pursuant to Section 2084 of the Fish and Game Code for certain energy projects in Kern and San Bernardino Counties listed in the regulation (the "2084 Rule"). Aratina Solar Farm is one of the projects listed in the 2084 Rule.

A WJT census was conducted within the 100-foot wide Project corridor in accordance with 2084 Rule by California Department of Fish and Wildlife approved biologist Youssef Attalah on February 25 and 26, 2021. The location of each tree was recorded to 1-meter accuracy and the height of each tree was measured. A total of 27 WJT were recorded. Six were less than 1 meter in height, 12 were 1 meter to less than 5 meters in height and nine were greater than 5 meters in height.

## Appendix G. Agency Consultations



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 412TH TEST WING (AFMC)  
EDWARDS AIR FORCE BASE, CALIFORNIA**



22 November 2021

Rhena (Lynn) Shreve  
Cultural Resource Manager  
412 CEG/CEVA  
120 North Rosamond Boulevard, Suite A  
Edwards Air Force Base, CA 93524

Kaitlin Songrara  
Director, Cultural Center  
Chemehuevi Indian Tribe  
P.O. Box 1976  
Havasu Lake, CA 92363

Re: Section 106 Consultation for the Aratina Solar Project and Generation – Tie Line (8 Minute Energy), Kern and San Bernardino, California

Dear Ms. Songrara,

The United States (U.S.) Air Force is initiating consultation with the Chemehuevi Indian Tribe regarding the development of a solar energy-generating project (Aratina Solar Project) and the associated Generation Tie-line, located partially within Edwards Air Force Base (AFB), Kern and San Bernardino Counties, California. This consultation is in accordance with 36 CFR Part 800 (amended August 5, 2004), regulations implementing Section 106 of the National Historic Preservation Act, for this undertaking. The purpose of this consultation is:

1. Notifacation of the Area of Potential Effect per 36 CFR Part 800.4(a);
2. Eligibility determination for the 75 cultural resources within the Aratina Solar Project and the Gen-Tie line corridor;
3. Notifacation of the Determination of Effect for the Generation Tie-line (Gen-Tie); and
4. Notifacation of the the Determination of Effect for the Aratina Solar Project (Aratina).

Although the Aratina solar generating facility is located entirely within private property, the chosen Gen-Tie line crosses land managed by the Department of the Air Force, Edwards Air Force Base (Edwards AFB). As such, based on a previous opinion by the Advisory Council on Historic Properties (ACHP) on the "Interconnection of Power Generation Facilities to the Bonneville Power Administration Grid Transmission Grid," dated February 27, 2020, Aratina is considered a Connected Action and subject to Section 106 of the NHPA review. The Kern

County Planning and Natural Resources Department is the lead agency under the California Environmental Quality Act and Edwards AFB is the federal lead agency for the Aratina project and the Gen-Tie line.

### ***Project Overview***

Aratina is a photovoltaic solar facility and associated infrastructure necessary to generate up to 530 megawatts (MW) of renewable energy proposed on approximately 2,317 acres on privately owned land consisting of five sites (Site 1 – 5) on 22 parcels. The proposed project site is located in unincorporated Kern County, straddling State Route 58 between Gephart Road on the west and the San Bernardino County line on the east. The proposed project site is near the unincorporated communities of Boron and Desert Lake and north of the Edwards Air Force Base boundary. The existing U.S. Borax open pit mine and refinery are located approximately two miles north of the project site. The site is located within Sections 5 and 6, Township 10 N, Range 7 W; Sections 1 and 2, Township 10 N, 8 W; and Sections 33 and 35, Township 11 N, Range 8 W, San Bernardino Base Meridian, County of Kern State of California. The project's permanent facilities would include, but are not limited to, service roads, a power collection system, inverter stations, transformer systems, transmission lines, electrical switchyards, project substations, energy (battery) storage system, and operations and maintenance facilities (Attachment 1).

The Gen-Tie line corridor for the Aratina Solar Farm is a 230 kV line originating from on-site substation in Kern County and terminating at Southern California Edison (SCE) Kramer substation in San Bernardino County, located at the southwest corner of SR 58 and SR 395. The Air Force's purpose and need for the Proposed Action is to respond to the Applicant's (64NB 8me LLC) application for an out grant that would provide a 100-foot right of way to construct, operate, maintain, and decommission an up to 6.5-mile transmission Gen-Tie line within Edwards AFB Precision Impact Range Area (PIRA). The 412th Civil Engineer Group need for the Proposed Action is driven by requirements to promote the efficient and economical use of real property assets at Edwards AFB in accordance with Executive Order (EO) 13327, Federal Real Property Asset Management. Easements across Air Force lands may be granted if in the public interest (10 USC 2668). The Gen-Tie would be constructed and operated within Corridor 5 of the Utility Corridor Area Development Plan (ADP), and the environmental analysis would tier to and otherwise incorporate the Environmental Assessment for Proposed Utility Corridors at Edwards Air Force Base, California (July 2016). The project proponent seeks a right-of-way term of 40 years. (Attachment 2).

The purpose of the Undertaking is to facilitate transmission of the energy produced at the Aratina Solar Farm to the statewide electrical grid. The Undertaking will provide a means of conveying up to 600 megawatts (MW) of renewable energy to the electric grid to assist the State of California in achieving its 50 percent Renewables Portfolio Standard (RPS) by 2030, and its 100% clean energy goal by 2045, providing energy to the electric grid to meet increasing demand for in-state generation. The Undertaking will enhance grid resiliency and operation by connecting the Aratina Solar Farm's energy storage facilities (battery) to the electric grid. Throughout the life of the Undertaking economic development will be promoted and will bring living-wage jobs to the region.

## ***Findings and Evaluations***

Rincon Consultants, Inc. (Rincon) conducted survey for the Aratina solar farm and the Gen-Tie line corridor between February 25 and March 16, 2019. The Aratina solar farm APE consists of approximately 2,317 acres and the Gen-Tie corridor is a 6.5 mile long corridor that is 100-foot wide (118.2-acres). For the purpose of site identification and evaluation, Rincon surveyed a 150-foot wide corridor along the proposed Gen-Tie line.

Background research identified 14 previously recorded sites within the Gen-Tie APE and eleven previously recorded sites within the APE of the Aratina solar farm (four in Site 1, four in Site 2, two in Site 3, one in Site 4, and none in Site 5). During the survey Rincon identified one new site within the Gen-Tie corridor and 49 sites within the Aratina solar farm (11 in Site 1, 15 in Site 2, seven in Site 3, nine in Site 4, and seven in site 5) for a total of 60 sites within Aratina solar farm and 15 sites along the Gen-Tie line. This included 32 prehistoric sites (lithic debitage scatters or isolated lithic material), one multicomponent site (lithic debitage with historic refuse), and 27 historic-era sites (road segments and refuse scatters and deposits). All of the 15 sites along the Gen-Tie corridor are historic sites consisting of historic refuse or road segments (Attachments 3&4).

Rincon provided evaluations of all the sites within the Aratina solar farm and Gen-Tie line and recommended all but one as ineligible for listing in the National Register of Historic Places (NRHP). The one site evaluated as potentially eligible under Criteria D is the newly recorded site S-008, a prehistoric site consisting of 113 pieces of chert, chalcedony, jasper, quartz, and basalt debitage. This site can be avoided and potential impacts mitigated by implementation of project specific mitigation measures (MM) **4.5-1** through **4.5-3**: requiring monitoring by both an archaeologist and tribal cultural monitor, an archaeologist led Cultural Resources Awareness Training provided to all crew and on-site personnel, and flagging to include a 100-foot ESA buffer.

## ***Determination of Effect***

Based on the information provided during the background research, survey, and proposed mitigation measures for the project, we agree with Rincon's finding of ***no effect to historic properties*** under Section 106 of NHPA for archaeological site S-008, a site recommended potentially eligible for listing on the NRHP (Criteria D). This site can be avoided by project activities and protected with a 100-foot ESA buffer zone.

Of the 15 archaeological sites within the Gen-Tie corridor, none is considered eligible for listing in the NRHP. For this reason, we concur with Rincon's assessment ***of no effect to historic properties***.

In addition, standard conditions for the treatment of unanticipated discoveries and the Edwards NAGPRA Plan of Action will be implemented upon the discovery of human remains or funerary items (in process).

## ***Summary***

The USAF, as lead Federal agency, welcomes your tribe's participation in the Section 106 process and solicits your input about properties of religious or cultural significance. We appreciate your comments regarding the Determination of the Area of Potential Effect per 36 CFR Part 800.4(a) (see Attachment 1), The finding of "No Effect" for the proposed undertaking [pursuant to 36 CFR Part 800.4(d) (2)] as it relates to prehistoric period site (S-008) that has been determined potentially eligible for listing on the NRHP, and the finding of "No Effect" for the proposed gen-tie undertaking. Mitigation Measures consisting of avoidance, cultural resources awareness training, and archaeological and tribal monitoring will be employed for the Undertaking.

If you would like additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please have your staff contact Lynn Shreve, the installation Cultural Resources Manager, at [rhena.shreve@us.af.mil](mailto:rhena.shreve@us.af.mil) or (661) 277-1905.

Sincerely,

SHREVE.RHENA.LYN  
N.1264514840

Digitally signed by  
SHREVE.RHENA.LYNN.1264514840  
Date: 2021.11.22 17:54:03 -08'00'

Rhena (Lynn) Shreve  
Cultural Resource Manager

## **Attachments:**

Attachment 1: Area of potential effects map to the Aratina site APE

Attachment 2: Area of potential effects map to the Gen-tie APE

Attachment 3: Aratina Solar Project Cultural Resources Assessment Report Volume IV

Attachment 4: Generation Tie Line Corridor for the Aratina Solar Farm Project Report



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 412TH TEST WING (AFMC)  
EDWARDS AIR FORCE BASE, CALIFORNIA**



22 November 2021

Rhena (Lynn) Shreve  
Cultural Resource Manager  
412 CEG/CEVA  
120 North Rosamond Boulevard, Suite A  
Edwards Air Force Base, CA 93524

Bryan Etsitty  
Tribal Historic Preservation Officer  
Colorado River Indian Tribes  
26600 Mohave Road  
Parker, AZ 85344

Re: Section 106 Consultation for the Aratina Solar Project and Generation – Tie Line (8 Minute Energy), Kern and San Bernardino, California

Dear Mr. Etsitty,

The United States (U.S.) Air Force is initiating consultation with the Colorado River Indian Tribes regarding the development of a solar energy-generating project (Aratina Solar Project) and the associated Generation Tie-line, located partially within Edwards Air Force Base (AFB), Kern and San Bernardino Counties, California. This consultation is in accordance with 36 CFR Part 800 (amended August 5, 2004), regulations implementing Section 106 of the National Historic Preservation Act, for this undertaking. The purpose of this consultation is:

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County Planning and Natural Resources Department is the lead agency under the California Environmental Quality Act and Edwards AFB is the federal lead agency for the Aratina project and the Gen-Tie line.

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If you would like additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please have your staff contact Lynn Shreve, the installation Cultural Resources Manager, at [rhenashreve@us.af.mil](mailto:rhenashreve@us.af.mil) or (661) 277-1905.

Sincerely,

**SHREVE.RHENA.L**  
**YNN.1264514840**

Digitally signed by  
SHREVE.RHENA.LYNN.1264514840  
Date: 2021.11.22 17:35:42 -08'00'

Rhena (Lynn) Shreve  
Cultural Resource Manager

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**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 412TH TEST WING (AFMC)  
EDWARDS AIR FORCE BASE, CALIFORNIA**



22 November 2021

Rhena (Lynn) Shreve  
Cultural Resource Manager  
412 CEG/CEVA  
120 North Rosamond Boulevard, Suite A  
Edwards Air Force Base, CA 93524

Ann Brierty  
Tribal Historic Preservation Officer  
Morongo Band of Mission Indians  
12700 Pumarra Road  
Banning, CA 92220

Re: Section 106 Consultation for the Aratina Solar Project and Generation – Tie Line (8 Minute Energy), Kern and San Bernardino, California

Dear Ms. Brierty,

The United States (U.S.) Air Force is initiating consultation with the Morongo Band of Mission Indians regarding the development of a solar energy-generating project (Aratina Solar Project) and the associated Generation Tie-line, located partially within Edwards Air Force Base (AFB), Kern and San Bernardino Counties, California. This consultation is in accordance with 36 CFR Part 800 (amended August 5, 2004), regulations implementing Section 106 of the National Historic Preservation Act, for this undertaking. The purpose of this consultation is:

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The purpose of the Undertaking is to facilitate transmission of the energy produced at the Aratina Solar Farm to the statewide electrical grid. The Undertaking will provide a means of conveying up to 600 megawatts (MW) of renewable energy to the electric grid to assist the State of California in achieving its 50 percent Renewables Portfolio Standard (RPS) by 2030, and its 100% clean energy goal by 2045, providing energy to the electric grid to meet increasing demand for in-state generation. The Undertaking will enhance grid resiliency and operation by connecting the Aratina Solar Farm's energy storage facilities (battery) to the electric grid. Throughout the life of the Undertaking economic development will be promoted and will bring living-wage jobs to the region.

## ***Findings and Evaluations***

Rincon Consultants, Inc. (Rincon) conducted survey for the Aratina solar farm and the Gen-Tie line corridor between February 25 and March 16, 2019. The Aratina solar farm APE consists of approximately 2,317 acres and the Gen-Tie corridor is a 6.5 mile long corridor that is 100-foot wide (118.2-acres). For the purpose of site identification and evaluation, Rincon surveyed a 150-foot wide corridor along the proposed Gen-Tie line.

Background research identified 14 previously recorded sites within the Gen-Tie APE and eleven previously recorded sites within the APE of the Aratina solar farm (four in Site 1, four in Site 2, two in Site 3, one in Site 4, and none in Site 5). During the survey Rincon identified one new site within the Gen-Tie corridor and 49 sites within the Aratina solar farm (11 in Site 1, 15 in Site 2, seven in Site 3, nine in Site 4, and seven in site 5) for a total of 60 sites within Aratina solar farm and 15 sites along the Gen-Tie line. This included 32 prehistoric sites (lithic debitage scatters or isolated lithic material), one multicomponent site (lithic debitage with historic refuse), and 27 historic-era sites (road segments and refuse scatters and deposits). All of the 15 sites along the Gen-Tie corridor are historic sites consisting of historic refuse or road segments (Attachments 3&4).

Rincon provided evaluations of all the sites within the Aratina solar farm and Gen-Tie line and recommended all but one as ineligible for listing in the National Register of Historic Places (NRHP). The one site evaluated as potentially eligible under Criteria D is the newly recorded site S-008, a prehistoric site consisting of 113 pieces of chert, chalcedony, jasper, quartz, and basalt debitage. This site can be avoided and potential impacts mitigated by implementation of project specific mitigation measures (MM) **4.5-1** through **4.5-3**: requiring monitoring by both an archaeologist and tribal cultural monitor, an archaeologist led Cultural Resources Awareness Training provided to all crew and on-site personnel, and flagging to include a 100-foot ESA buffer.

## ***Determination of Effect***

Based on the information provided during the background research, survey, and proposed mitigation measures for the project, we agree with Rincon's finding of ***no effect to historic properties*** under Section 106 of NHPA for archaeological site S-008, a site recommended potentially eligible for listing on the NRHP (Criteria D). This site can be avoided by project activities and protected with a 100-foot ESA buffer zone.

Of the 15 archaeological sites within the Gen-Tie corridor, none is considered eligible for listing in the NRHP. For this reason, we concur with Rincon's assessment ***of no effect to historic properties***.

In addition, standard conditions for the treatment of unanticipated discoveries and the Edwards NAGPRA Plan of Action will be implemented upon the discovery of human remains or funerary items (in process).

## ***Summary***

The USAF, as lead Federal agency, welcomes your tribe's participation in the Section 106 process and solicits your input about properties of religious or cultural significance. We appreciate your comments regarding the Determination of the Area of Potential Effect per 36 CFR Part 800.4(a) (see Attachment 1), The finding of "No Effect" for the proposed undertaking [pursuant to 36 CFR Part 800.4(d) (2)] as it relates to prehistoric period site (S-008) that has been determined potentially eligible for listing on the NRHP, and the finding of "No Effect" for the proposed gen-tie undertaking. Mitigation Measures consisting of avoidance, cultural resources awareness training, and archaeological and tribal monitoring will be employed for the Undertaking.

If you would like additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please have your staff contact Lynn Shreve, the installation Cultural Resources Manager, at [rhenashreve@us.af.mil](mailto:rhenashreve@us.af.mil) or (661) 277-1905.

Sincerely,

SHREVE.RHENA.L  
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SHREVE.RHENA.LYNN.12645148  
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Rhena (Lynn) Shreve  
Cultural Resource Manager

## **Attachments:**

Attachment 1: Area of potential effects map to the Aratina site APE

Attachment 2: Area of potential effects map to the Gen-tie APE

Attachment 3: Aratina Solar Project Cultural Resources Assessment Report Volume IV

Attachment 4: Generation Tie Line Corridor for the Aratina Solar Farm Project Report



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 412TH TEST WING (AFMC)  
EDWARDS AIR FORCE BASE, CALIFORNIA**



1 December 2021

Rhena (Lynn) Shreve  
Cultural Resource Manager  
412 CEG/CEVA  
120 North Rosamond Boulevard, Suite A  
Edwards Air Force Base, CA 93524

Julianne Polanco  
State Historic Preservation Officer  
Office of Historic Preservation  
1725 23rd Street, Suite 100  
Sacramento, CA 95816

Re: Section 106 concurrence for the Aratina Solar Project and Generation – Tie Line (8 Minute Energy), Kern and San Bernardino, California

Dear Ms. Polanco

The United States (U.S.) Air Force is consulting with the State Historic Preservation Officer (SHPO) regarding the Aratina Solar Project and Generation Tie-line, located partially within Edwards Air Force Base (AFB), Kern and San Bernardino Counties, California. This consultation is in accordance with 36 CFR Part 800 (amended August 5, 2004), regulations implementing Section 106 of the National Historic Preservation Act, for this undertaking. Herein, we provide information with the goal of obtaining SHPO concurrence on the following:

1. Determination of the Area of Potential Effect per 36 CFR Part 800.4(a);
2. Eligibility determination for the 75 cultural resources within the Aratina Solar Project and the Gen-Tie line corridor;
3. Determination of Effect for the Generation Tie-line (Gen-Tie); and
4. Determination of Effect for the Aratina Solar Project (Aratina).

Although the Aratina solar generating facility is located entirely within private property, the chosen Gen-Tie line crosses land managed by the Department of the Air Force, Edwards Air Force Base (Edwards AFB). As such, based on a previous opinion by the Advisory Council on Historic Properties (ACHP) on the "Interconnection of Power Generation Facilities to the Bonneville Power Administration Grid Transmission Grid," dated February 27, 2020, Aratina is considered a Connected Action and subject to Section 106 of the NHPA review. The Kern County Planning and Natural Resources Department is the lead agency under the California Environmental Quality Act and Edwards AFB is the federal lead agency for the Aratina project



and the Gen-Tie line.

### ***Project Overview***

Aratina is a photovoltaic solar facility and associated infrastructure necessary to generate up to 530 megawatts (MW) of renewable energy proposed on approximately 2,317 acres on privately owned land consisting of five sites (Site 1 – 5) on 22 parcels. The proposed project site is located in unincorporated Kern County, straddling State Route 58 between Gephart Road on the west and the San Bernardino County line on the east. The proposed project site is near the unincorporated communities of Boron and Desert Lake and north of the Edwards Air Force Base boundary. The existing U.S. Borax open pit mine and refinery are located approximately two miles north of the project site. The site is located within Sections 5 and 6, Township 10 N, Range 7 W; Sections 1 and 2, Township 10 N, 8 W; and Sections 33 and 35, Township 11 N, Range 8 W, San Bernardino Base Meridian, County of Kern State of California. The project's permanent facilities would include, but are not limited to, service roads, a power collection system, inverter stations, transformer systems, transmission lines, electrical switchyards, project substations, energy (battery) storage system, and operations and maintenance facilities (Attachment 1).

The Gen-Tie line corridor for the Aratina Solar Farm is a 230 kV line originating from on-site substation in Kern County and terminating at Southern California Edison (SCE) Kramer substation in San Bernardino County, located at the southwest corner of SR 58 and SR 395. The Air Force's purpose and need for the Proposed Action is to respond to the Applicant's (64NB 8me LLC) application for an out grant that would provide a 100-foot right of way to construct, operate, maintain, and decommission an up to 6.5-mile transmission Gen-Tie line within Edwards AFB Precision Impact Range Area (PIRA). The 412th Civil Engineer Group need for the Proposed Action is driven by requirements to promote the efficient and economical use of real property assets at Edwards AFB in accordance with Executive Order (EO) 13327, Federal Real Property Asset Management. Easements across Air Force lands may be granted if in the public interest (10 USC 2668). The Gen-Tie would be constructed and operated within Corridor 5 of the Utility Corridor Area Development Plan (ADP), and the environmental analysis would tier to and otherwise incorporate the Environmental Assessment for Proposed Utility Corridors at Edwards Air Force Base, California (July 2016). The project proponent seeks a right-of-way term of 40 years. (Attachment 2).

The purpose of the Undertaking is to facilitate transmission of the energy produced at the Aratina Solar Farm to the statewide electrical grid. The Undertaking will provide a means of conveying up to 600 megawatts (MW) of renewable energy to the electric grid to assist the State of California in achieving its 50 percent Renewables Portfolio Standard (RPS) by 2030, and its 100% clean energy goal by 2045, providing energy to the electric grid to meet increasing demand for in-state generation. The Undertaking will enhance grid resiliency and operation by connecting the Aratina Solar Farm's energy storage facilities (battery) to the electric grid. Throughout the life of the Undertaking economic development will be promoted and will bring living-wage jobs to the region.

## ***Findings and Evaluations***

Rincon Consultants, Inc. (Rincon) conducted survey for the Aratina solar farm and the Gen-Tie line corridor between February 25 and March 16, 2019. The Aratina solar farm APE consists of approximately 2,317 acres and the Gen-Tie corridor is a 6.5 mile long corridor that is 150-foot wide (118.2-acres). The Gen-Tie will be constructed entirely within an existing SCE utility corridor.

Background research identified 14 previously recorded sites within the Gen-Tie APE and eleven previously recorded sites within the APE of the Aratina solar farm (four in Site 1, four in Site 2, two in Site 3, one in Site 4, and none in Site 5). During the survey Rincon identified one new site within the Gen-Tie corridor and 49 sites within the Aratina solar farm (11 in Site 1, 15 in Site 2, seven in Site 3, nine in Site 4, and seven in site 5) for a total of 60 sites within Aratina solar farm and 15 sites along the Gen-Tie line. This included 32 prehistoric sites (lithic debitage scatters or isolated lithic material), one multicomponent site (lithic debitage with historic refuse), and 27 historic-era sites (road segments and refuse scatters and deposits). All of the 15 sites along the Gen-Tie corridor are historic sites (historic refuse or road segments).

Rincon provided evaluations of all the sites within the Aratina solar farm and Gen-Tie line and recommended all but one as ineligible for listing in the National Register of Historic Places (NRHP). The one site evaluated as potentially eligible under Criteria D is the newly recorded site S-008, a prehistoric site consisting of 113 pieces of chert, chalcedony, jasper, quartz, and basalt debitage. This site can be avoided and potential impacts mitigated by implementation of project specific mitigation measures (MM) **4.5-1** through **4.5-3**: requiring monitoring by both an archaeologist and tribal cultural monitor, an archaeologist led Cultural Resources Awareness Training provided to all crew and on-site personnel, and flagging to include a 100-foot ESA buffer.

## ***Determination of Effect***

Based on the information provided during the background research, survey, and proposed mitigation measures for the project, we agree with Rincon's finding of ***no effect to historic properties*** under Section 106 of NHPA for archaeological site S-008, a site recommended potentially eligible for listing on the NRHP (Criteria D). This site can be avoided by project activities and protected with a 100-foot ESA buffer zone.

Of the 15 archaeological sites within the Gen-Tie corridor, none is considered eligible for listing in the NRHP. For this reason, we concur with Rincon's assessment ***of no effect to historic properties***.

In addition, standard conditions for the treatment of unanticipated discoveries and the Edwards NAGPRA Plan of Action will be implemented upon the discovery of human remains or funerary items (in process).

## ***Request for Concurrence***

Edwards AFB requests your concurrence on the following items:

1. Determination of the Area of Potential Effect per 36 CFR Part 800.4(a) (see Attachment 1);
2. The finding of “No Effect” for the proposed undertaking [pursuant to 36 CFR Part 800.4(d) (2)] as it relates to prehistoric period site (S-008) that has been determined potentially eligible for listing on the NRHP. Training, archaeological, and tribal monitoring will be employed for the project.
3. The finding of “No Effect” for the proposed gen-tie undertaking.

## ***Conclusion***

We hope that the information provided in this letter, along with attached documents, will be sufficient to obtain your concurrence on the EAFB findings of no effect. We value your time and partnership and appreciate your timely response. If you have any questions, please contact Lynn Shreve at [rhenashreve@us.af.mil](mailto:rhenashreve@us.af.mil) or (661) 277-1905.

Sincerely,

**SHREVE.RHENA.L  
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Rhena (Lynn) Shreve  
Cultural Resource Manager

## **4 Attachments:**

1. Area of potential effects map to the Aratina site APE
2. Area of potential effects map to the Gen-tie APE
3. Aratina Solar Project Cultural Resources Assessment Report Volume IV
4. Generation Tie Line Corridor for the Aratina Solar Farm Project Aratina Solar Farm Project



**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 412TH TEST WING (AFMC)  
EDWARDS AIR FORCE BASE, CALIFORNIA**



22 November 2021

Rhena (Lynn) Shreve  
Cultural Resource Manager  
412 CEG/CEVA  
120 North Rosamond Boulevard, Suite A  
Edwards Air Force Base, CA 93524

Jessica Mauck  
Director, CRM  
San Manuel Band of Mission Indians  
26569 Community Center Drive  
Highland, CA 92346

Re: Section 106 Consultation for the Aratina Solar Project and Generation – Tie Line (8 Minute Energy), Kern and San Bernardino, California

Dear Ms. Mauck,

The United States (U.S.) Air Force is initiating consultation with the San Manuel Band of Mission Indians regarding the development of a solar energy-generating project (Aratina Solar Project) and the associated Generation Tie-line, located partially within Edwards Air Force Base (AFB), Kern and San Bernardino Counties, California. This consultation is in accordance with 36 CFR Part 800 (amended August 5, 2004), regulations implementing Section 106 of the National Historic Preservation Act, for this undertaking. The purpose of this consultation is:

1. Notifacation of the Area of Potential Effect per 36 CFR Part 800.4(a);
2. Eligibility determination for the 75 cultural resources within the Aratina Solar Project and the Gen-Tie line corridor;
3. Notifacation of the Determination of Effect for the Generation Tie-line (Gen-Tie); and
4. Notifacation of the the Determination of Effect for the Aratina Solar Project (Aratina).

Although the Aratina solar generating facility is located entirely within private property, the chosen Gen-Tie line crosses land managed by the Department of the Air Force, Edwards Air Force Base (Edwards AFB). As such, based on a previous opinion by the Advisory Council on Historic Properties (ACHP) on the "Interconnection of Power Generation Facilities to the Bonneville Power Administration Grid Transmission Grid," dated February 27, 2020, Aratina is considered a Connected Action and subject to Section 106 of the NHPA review. The Kern

County Planning and Natural Resources Department is the lead agency under the California Environmental Quality Act and Edwards AFB is the federal lead agency for the Aratina project and the Gen-Tie line.

### ***Project Overview***

Aratina is a photovoltaic solar facility and associated infrastructure necessary to generate up to 530 megawatts (MW) of renewable energy proposed on approximately 2,317 acres on privately owned land consisting of five sites (Site 1 – 5) on 22 parcels. The proposed project site is located in unincorporated Kern County, straddling State Route 58 between Gephart Road on the west and the San Bernardino County line on the east. The proposed project site is near the unincorporated communities of Boron and Desert Lake and north of the Edwards Air Force Base boundary. The existing U.S. Borax open pit mine and refinery are located approximately two miles north of the project site. The site is located within Sections 5 and 6, Township 10 N, Range 7 W; Sections 1 and 2, Township 10 N, 8 W; and Sections 33 and 35, Township 11 N, Range 8 W, San Bernardino Base Meridian, County of Kern State of California. The project's permanent facilities would include, but are not limited to, service roads, a power collection system, inverter stations, transformer systems, transmission lines, electrical switchyards, project substations, energy (battery) storage system, and operations and maintenance facilities (Attachment 1)

The Gen-Tie line corridor for the Aratina Solar Farm is a 230 kV line originating from on-site substation in Kern County and terminating at Southern California Edison (SCE) Kramer substation in San Bernardino County, located at the southwest corner of SR 58 and SR 395. The Air Force's purpose and need for the Proposed Action is to respond to the Applicant's (64NB 8me LLC) application for an out grant that would provide a 100-foot right of way to construct, operate, maintain, and decommission an up to 6.5-mile transmission Gen-Tie line within Edwards AFB Precision Impact Range Area (PIRA). The 412th Civil Engineer Group need for the Proposed Action is driven by requirements to promote the efficient and economical use of real property assets at Edwards AFB in accordance with Executive Order (EO) 13327, Federal Real Property Asset Management. Easements across Air Force lands may be granted if in the public interest (10 USC 2668). The Gen-Tie would be constructed and operated within Corridor 5 of the Utility Corridor Area Development Plan (ADP), and the environmental analysis would tier to and otherwise incorporate the Environmental Assessment for Proposed Utility Corridors at Edwards Air Force Base, California (July 2016). The project proponent seeks a right-of-way term of 40 years (Attachment 2).

The purpose of the Undertaking is to facilitate transmission of the energy produced at the Aratina Solar Farm to the statewide electrical grid. The Undertaking will provide a means of conveying up to 600 megawatts (MW) of renewable energy to the electric grid to assist the State of California in achieving its 50 percent Renewables Portfolio Standard (RPS) by 2030, and its 100% clean energy goal by 2045, providing energy to the electric grid to meet increasing demand for in-state generation. The Undertaking will enhance grid resiliency and operation by connecting the Aratina Solar Farm's energy storage facilities (battery) to the electric grid. Throughout the life of the Undertaking economic development will be promoted and will bring living-wage jobs to the region.

## ***Findings and Evaluations***

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Background research identified 14 previously recorded sites within the Gen-Tie APE and eleven previously recorded sites within the APE of the Aratina solar farm (four in Site 1, four in Site 2, two in Site 3, one in Site 4, and none in Site 5). During the survey Rincon identified one new site within the Gen-Tie corridor and 49 sites within the Aratina solar farm (11 in Site 1, 15 in Site 2, seven in Site 3, nine in Site 4, and seven in site 5) for a total of 60 sites within Aratina solar farm and 15 sites along the Gen-Tie line. This included 32 prehistoric sites (lithic debitage scatters or isolated lithic material), one multicomponent site (lithic debitage with historic refuse), and 27 historic-era sites (road segments and refuse scatters and deposits). All of the 15 sites along the Gen-Tie corridor are historic sites consisting of historic refuse or road segments.(Attachments 3&4)

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## ***Determination of Effect***

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## ***Summary***

The USAF, as lead Federal agency, welcomes your tribe's participation in the Section 106 process and solicits your input about properties of religious or cultural significance. We appreciate your comments regarding the Determination of the Area of Potential Effect per 36 CFR Part 800.4(a) (see Attachment 1), The finding of "No Effect" for the proposed undertaking [pursuant to 36 CFR Part 800.4(d) (2)] as it relates to prehistoric period site (S-008) that has been determined potentially eligible for listing on the NRHP, and the finding of "No Effect" for the proposed gen-tie undertaking. Mitigation Measures consisting of avoidance, cultural resources awareness training, and archaeological and tribal monitoring will be employed for the Undertaking.

If you would like additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please have your staff contact Lynn Shreve, the installation Cultural Resources Manager, at [rhena.shreve@us.af.mil](mailto:rhena.shreve@us.af.mil) or (661) 277-1905.

Sincerely,

SHREVE.RHENA.LYNN.1264514840  
NN.1264514840

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Date: 2021.11.22 12:51:49 -08'00'

Rhena (Lynn) Shreve  
Cultural Resource Manager

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**DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS 412TH TEST WING (AFMC)  
EDWARDS AIR FORCE BASE, CALIFORNIA**



22 November 2021

Rhena (Lynn) Shreve  
Cultural Resource Manager  
412 CEG/CEVA  
120 North Rosamond Boulevard, Suite A  
Edwards Air Force Base, CA 93524

Colin Rambo  
Cultural Resources Management Technician  
Tejon Indian Tribe  
P.O. Box 640  
Arvin, CA 93203

Re: Section 106 Consultation for the Aratina Solar Project and Generation – Tie Line (8 Minute Energy), Kern and San Bernardino, California

Dear Mr. Rambo,

The United States (U.S.) Air Force is initiating consultation with the Tejon Indian Tribe regarding the development of a solar energy-generating project (Aratina Solar Project) and the associated Generation Tie-line, located partially within Edwards Air Force Base (AFB), Kern and San Bernardino Counties, California. This consultation is in accordance with 36 CFR Part 800 (amended August 5, 2004), regulations implementing Section 106 of the National Historic Preservation Act, for this undertaking. The purpose of this consultation is:

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In addition, standard conditions for the treatment of unanticipated discoveries and the Edwards NAGPRA Plan of Action will be implemented upon the discovery of human remains or funerary items (in process).

## ***Summary***

The USAF, as lead Federal agency, welcomes your tribe's participation in the Section 106 process and solicits your input about properties of religious or cultural significance. We appreciate your comments regarding the Determination of the Area of Potential Effect per 36 CFR Part 800.4(a) (see Attachment 1), The finding of "No Effect" for the proposed undertaking [pursuant to 36 CFR Part 800.4(d) (2)] as it relates to prehistoric period site (S-008) that has been determined potentially eligible for listing on the NRHP, and the finding of "No Effect" for the proposed gen-tie undertaking. Mitigation Measures consisting of avoidance, cultural resources awareness training, and archaeological and tribal monitoring will be employed for the Undertaking.

If you would like additional information pertaining to this proposed project or any aspect of environmental management on Edwards AFB, please have your staff contact Lynn Shreve, the installation Cultural Resources Manager, at [rhena.shreve@us.af.mil](mailto:rhena.shreve@us.af.mil) or (661) 277-1905.

Sincerely,

SHREVE.RHENA.LYN  
N.1264514840

Digitally signed by  
SHREVE.RHENA.LYNN.1264514840  
Date: 2021.11.22 12:54:07 -08'00'

Rhena (Lynn) Shreve  
Cultural Resource Manager

## **Attachments:**

Attachment 1: Area of potential effects map to the Aratina site APE

Attachment 2: Area of potential effects map to the Gen-tie APE

Attachment 3: Aratina Solar Project Cultural Resources Assessment Report Volume IV

Attachment 4: Generation Tie Line Corridor for the Aratina Solar Farm Projec Report



## United States Department of the Interior

### U.S. FISH AND WILDLIFE SERVICE

Ecological Services  
Palm Springs Fish and Wildlife Office  
777 East Tahquitz Canyon Way, Suite 208  
Palm Springs, California 92262



In Reply Refer to:  
FWS-KRN-15B0042-20CPA0199

October 9, 2020  
*Sent by Email*

Alexander Sundquist  
Vice President, Land Development  
64NB 8me LLC c/o 8minute Solar Energy  
5455 Wilshire Boulevard, Suite 2010  
Los Angeles, California 90036

Subject: Aratina Solar Project, Kern County, California

Dear Mr. Sundquist:

By electronic mail to Ray Bransfield of my staff, dated September 10, 2020, you requested that the U.S. Fish and Wildlife Service (Service) confirm the discussions we have had with you regarding the Aratina Solar Project. As we discussed, 8minute Solar Energy is considering the development of photovoltaic facilities on approximately 2,673 acres in several parcels near the town of Boron.

During our discussions, you noted that EnviroPlus Consulting, Inc., had surveyed the parcels in the spring of 2019 but did not detect any desert tortoises (*Gopherus agassizii*), which are federally listed as a threatened species. They found a carcass of a desert tortoise that was more than 4 years old and several burrows in deteriorated condition. The condition of the burrows indicated that desert tortoises had not used them in some time.

A portion of a generator tie-in line alternative could cross Edwards Air Force Base to Kramer Substation via a designated utility corridor. The U.S. Air Force has consulted with the Service, pursuant to section 7(a)(2) of the Endangered Species Act of 1973, as amended, regarding management of its lands. If it intends to authorize use of its right-of-way for the generator tie-in line, the Air Force could include it as an activity under its existing biological opinion.

8minute Solar Energy could alternatively route a generator tie-in line to Holgate Substation entirely across non-federal lands. Therefore, because the potential route of the generator tie-in line through Edwards Air Force Base would not be the only way to facilitate the construction and operation of the solar facility, the Air Force consultation would not include the solar facility itself.

During the meeting with our staff, you inquired whether the Service would recommend that 8minute Solar Energy apply for an incidental take permit for the desert tortoise for the solar facility. Based on the survey conducted by EnviroPlus Consulting, Inc., we conclude that the

development and operation of the Aratina Solar Project is not reasonably certain to cause the take of desert tortoises. Section 3 of the Endangered Species Act defines take as to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. For this reason, the Service does not recommend that 8minute Solar Energy apply for an incidental take permit for the Aratina Solar Project. In the unlikely event that you encounter a desert tortoise on site, we recommend that you contact us immediately.

Again, I appreciate your coordination and look forward to working with you in the future. If you have any questions, please contact [Ray Bransfield](#)<sup>1</sup> of my staff at (805) 677-3398.

Sincerely,

**BRIAN  
CROFT**

Digitally signed by BRIAN  
CROFT  
Date: 2020.10.09  
13:19:18 -07'00'

Brian Croft  
Acting Assistant Field Supervisor

cc:

Larry Zimmerman, USAF, Stephen E. Watts, USAF

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<sup>1</sup> Ray Bransfield, U. S. Fish and Wildlife Service, [ray\\_bransfield@fws.gov](mailto:ray_bransfield@fws.gov)