

APPENDIX R
PHASE I ENVIRONMENTAL SITE ASSESSMENT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**CONTRA COSTA POWER PLANT
AND
MARSH LANDING GENERATING STATION
3201 WILBUR AVENUE
ANTIOCH, CALIFORNIA**

Prepared for

**MIRANT CALIFORNIA, LLC
ANTIOCH, CA**

Prepared by



**URS CORPORATION
221 MAIN STREET, SUITE 600
SAN FRANCISCO, CALIFORNIA 94105
(415) 896-5858 FAX (415) 882-9261**

URS PROJECT NO. 28067344

May 2008

TABLE OF CONTENTS		Page
1.0	EXECUTIVE SUMMARY	1-1
1.1	RECOMMENDATIONS	1-4
2.0	INTRODUCTION	2-1
2.1	PURPOSE AND SCOPE OF WORK	2-1
2.2	SPECIAL TERMS AND CONDITIONS	2-3
2.3	LIMITATIONS AND EXCEPTIONS OF ENVIRONMENTAL SITE ASSESSMENT	2-3
3.0	SITE DESCRIPTION	3-1
3.1	LOCATION	3-1
3.2	SITE AND VICINITY CHARACTERISTICS	3-1
3.3	DESCRIPTIONS OF STRUCTURES, ROADS, OTHER IMPROVEMENTS ON THE SUBJECT SITE.....	3-1
3.3.1	Potable Water Supply.....	3-1
3.3.2	Heating/Cooling Systems.....	3-1
3.3.3	Stormwater and Sanitary Waste Disposal	3-2
3.4	CURRENT USES OF THE SUBJECT SITE	3-2
3.5	PAST USES OF THE SITE	3-2
3.6	CURRENT AND PAST USES OF ADJOINING PROPERTIES	3-3
3.7	PHYSICAL SETTING	3-3
3.7.1	Geology.....	3-3
3.7.2	Hydrogeology	3-3
4.0	RECORDS REVIEW	4-1
4.1	FEDERAL AND STATE REGULATORY AGENCY RECORDS REVIEW	4-1
4.2	LOCAL REGULATORY AGENCY REVIEW	4-1
4.3	HISTORICAL USE INFORMATION	4-4
4.3.1	Aerial Photograph Review	4-4
4.3.2	Historical Sanborn Map Review	4-5
4.3.3	Historic City Directories	4-5
4.3.4	Historical Topographic Maps.....	4-5
4.3.5	History of Site Use.....	4-6
5.0	INFORMATION FROM SUBJECT SITE RECONNAISSANCE AND INTERVIEWS.....	5-1
5.1	INTERVIEWS	5-1
5.2	HAZARDOUS SUBSTANCES AND WASTES IN CONNECTION WITH IDENTIFIED USES.....	5-1
5.3	HAZARDOUS SUBSTANCE CONTAINERS AND UNIDENTIFIED SUBSTANCE CONTAINERS	5-1
5.4	STORAGE TANKS	5-1
5.4.1	Underground Storage Tanks	5-1
5.4.2	Aboveground Storage Tanks.....	5-1
5.5	POLYCHLORINATED BIPHENYLS (PCBs)	5-2
5.6	INDICATION OF SOLID WASTE DISPOSAL.....	5-2
5.6.1	Process Materials and Wastes	5-2
5.6.2	Site Waste Containment or Deposits.....	5-2
5.7	OTHER ENVIRONMENTAL CONSTRAINTS	5-3
5.7.1	Drains and Sumps	5-3
5.7.2	Evidence of Cesspools	5-3
5.7.3	Stressed Vegetation and Stained Soils	5-3

5.7.4	Wells	5-3
5.7.5	Oil and Gas Wells	5-3
5.7.6	Potential Wetlands Issues.....	5-3
5.7.7	Flood Zone	5-3
5.8	ASBESTOS-CONTAINING MATERIALS (ACM).....	5-3
5.9	RADON	5-4
5.10	LEAD-BASED PAINT (LBP).....	5-4
6.0	PREVIOUS REPORTS	6-1
6.1.1	1997 Phase I ESA Prepared by Camp Dresser and McKee (CDM)	6-1
6.1.2	1998 Phase II Environmental Site assessment, Pacific Gas and Electric Company, Contra Costa Power Plant	6-3
7.0	SUMMARY AND CONCLUSIONS	7-1
7.1	RECOMMENDATIONS	7-2
8.0	REFERENCES	8-1

TABLES

Table 4.1	Summary of Federal and State Regulatory Agency Records Review
-----------	---

FIGURES

Figure 1	Site Location Map
Figure 2	Site Plan
Figure 3	Remedial Issue Areas from Phase II Site Investigation

APPENDICES

Appendix A	Curricula Vita for Erik Skov and Katherine Brady
Appendix B	Photographs
Appendix C	EDR Database Report
Appendix D	Historical Documentation
Appendix E	Previous Reports

CERTIFICATION OF RESULTS

This report has been prepared for the exclusive use of Mirant California, LLC (Mirant), its affiliates, lenders, and insurers. URS Corporation (URS) acknowledges that Mirant, its affiliates, lenders, and insurers, may rely on this report in connection with financing, insuring and acquiring the Site. Photocopying of this document, in part or in whole, by parties other than those designated by Mirant, or use of this document for purposes other than it is intended, is prohibited. Anyone relying upon this report is subject to the same limitations and conditions as the Client and this report. In addition, this report is time dependent, and use or reliance upon said report after 180 days from the date of the report is limited to the circumstances described in ASTM 1527 Standard Practice for Environmental Site Assessments.

Respectfully submitted this 23 day of May 2008.

URS Corporation



Erik Skov P.G. C.H.G.
Senior Geologist



Katherine Brady, REA
Senior Environmental Scientist

1.0 EXECUTIVE SUMMARY

URS conducted a Site Reconnaissance and document review as part of a Phase I Environmental Site Assessment (ESA) for a proposed new power plant to be located within the property boundary of an existing power plant (Contra Costa Power Plant (CCPP)) located at 3201 Wilbur Avenue in unincorporated Contra Costa County, California, adjacent to the City of Antioch. For purposes of this document, the term “Site” refers to the existing power plant (the CCPP), and the term “Subject Site” refers to that part of the existing power plant proposed for development of a new power plant. The new power plant will occupy approximately 27 acres and be the Marsh Landing Generating Station (MLGS). While Site Reconnaissance and document review was performed for the entire CCPP Site recommendations and conclusions are focused on the Subject Site (MLGS). It is anticipated that a parcel subdivision will be pursued and the MLGS Subject Site will become a new property in the future.

URS has performed a Phase I ESA of the Site in conformance with the scope and limitations of American Society for Testing and Materials (ASTM) Practice E 1527. The Phase I ESA was accomplished by, and limited to, review of existing Phase I ESA and Phase II site investigation documents, a site reconnaissance, limited review of hydrological literature, review of Site history, a review of federal, state, and local agency lists, and contact with governmental agencies.

Any exceptions to, or deletions from, this practice are described in Sections 2.2 and 2.3 of this report. The assessment was conducted by URS in response to authorization by Mirant California, LLC. The report was prepared by the following:

Erik Skov: Senior Geologist
 Phone: (415) 243-3845
 Fax: (415) 882-9261

Katherine Brady: Senior Environmental Scientist
 Phone: (415) 243-3815
 Fax: (415) 882-9261

Mr. Skov has over 19 years of experience conducting Phase I ESA and Phase II site investigation and remedial activities. He has prepared many Phase I ESAs throughout the state of California. A copy of Mr. Skov’s résumé is presented in Appendix A of this report.

Ms. Brady has over 7 years of experience conducting Phase I ESA and Phase II site investigation and remedial activities. She has prepared Phase I ESAs throughout the state of California. A copy of Ms. Brady’s résumé is presented in Appendix A of this report.

The focus of the Phase I ESA was to identify Recognized Environmental Conditions (RECs) that may exist at the Site. This includes areas where chemicals were processed, stored, and handled in association with Site operations. The format and content of this Phase I ESA is in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Site Assessment Process E-1527, which

defines RECs as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property.” A brief summary of URS’ findings regarding potential environmental concerns at the Site is presented below.

The Site is located on Wilbur Avenue within unincorporated Contra Costa County, California, adjacent to the City of Antioch. The Site carries the address 3201 Wilbur Avenue and has been assigned County Assessor’s Parcel Number (APN) 051-031-014. The Subject Site is situated on the southern side of the San Joaquin River, and is bound by the Contra Costa Power Plant (Site) and the PG&E Switchyard to the east; portions of the existing Contra Costa Power Plant site to the south; vacant, former industrial development property to the west; and existing Contra Costa Power Plant facilities to the north. The Site vicinity consists of a mixture of industrial, light industrial, commercial, and residential uses.

The Site is situated on approximately 114 acres improved with, but not limited to, power generating units, a Tank Farm that includes five 120,000 barrels (bbl) bulk aboveground storage tanks (ASTs), three 500,000 bbl bulk ASTs, pipelines, an operating and non operational water treatment system, an oily water collection system work sheds, storage buildings, non-hazardous waste storage areas, hazardous waste storage areas, a sandblasting building, parking areas, septic systems, and fire pump house.

Based on the results of the Phase I ESA and communication with on-site management, the following RECs and Areas of Concern (AOC) were identified at the Site:

- The Fuel Tank Farm, which includes ASTs 1 through 8, is located on the west and south end of the Subject Site. The tanks have not been used for approximately 10 years. The power plant has been using natural gas for power generation. Approximately 2.2 million gallons of Number 6 fuel oil remain in the tanks, according to site personnel (Welch, 2008). The structural integrity of the tanks and the concrete pad beneath them is unknown. The areas around the tanks are unpaved. Staining was observed at the fuel oil processing units adjacent to each of the ASTs. According to CDM’s Phase I ESA report, Tank 7 was formerly used to store black liquor for the Gaylord property adjacent to the west. A pipeline from Tank 7 at the Site led to a shed on the Gaylord property boundary. The exact location of the pipeline is not known. A release of black liquor occurred near Tanks 5 and 6 from the pipeline leading from Tank 7, reportedly on the Gaylord property, in the mid 1980s. CDM reported no releases or staining around the base of Tanks 6 through 8; however, no documentation is available on the integrity of the tanks. Based on the limited information regarding integrity of the foundations beneath the ASTs, the ASTs are considered RECs.
- According to a drawing from the previous Phase I ESA prepared by CDM, a paint storage area was previously located north of the former asbestos accumulation bins and south of the work sheds and underground septic tank. Information regarding the paint storage area

was not available. Based on this information, the former paint storage shed is considered an AOC.

- A concrete pad is located just south of the access road and west of the small firehouse and hazardous waste storage shed in the Subject Site. Both the firehouse and the shed have been placed on a portion of the concrete pad. Dried paint was observed on the western portion of the concrete pad. Storm water runoff from the concrete following painting activities may have impacted soil and/or groundwater. Based on this information, the paint from the concrete pad is considered an AOC.
- Construction debris piles were formerly located at the Site. According to the Phase I ESA report prepared by CDM in 1997, total petroleum hydrocarbon (TPH) was detected at 322 parts per million (ppm) in the piles. Soil and/or groundwater may be impacted in this area. Based on this information, the former construction debris piles present a REC.
- The leach mound and former leach field at the Contra Costa Power Plant are located to the east of the Subject Site. According to CDM's Phase I ESA, laboratory wastes were discharged to the former leach field and in-use leach mound. The Phase I ESA also indicates that groundwater flow is to the north-northwest. Any hazardous substances discharged to the septic system may potentially impact the groundwater at the Site. Based on this information, the leach mound and the former leach field are considered a REC.
- Based on the information in the Fluor Daniel GTI Phase II investigation report (Fluor Daniel GTI 1988), there are several places within the Subject Site that are identified as having "Remedial Issues". Areas with "Remedial Issues" are those that have either TPH or arsenic in soil or groundwater at concentrations that exceed regulatory threshold levels. These locations are shown on Figure 3. Additionally, Fluor Daniel GTI identified areas of future environmental concerns outside those identified in the Phase II investigation that would be recognized after a "triggering event" (e.g., demolition onsite). Specifically, Fluor Daniel GTI identified a potential for impact to soil and groundwater that may exist beneath the foundations of the petroleum ASTs in Area 4. As such, as indicated in the first bullet, the foundations supporting the ASTs in the Tank Farm Area are considered RECs. Additionally, those other areas identified as having "Remedial Issues" are also considered RECs.

Surrounding Properties

The adjacent property to the west of the Subject Site, the former Gaylord Corporation, had a release of black liquor (a waste product from wood pulping that typically contains a mixture of sodium hydroxide and sodium sulfide/sulfite) in the mid-1980s, according to a Phase I ESA prepared by CDM dated October 1997. No information regarding the sampling of the soil and groundwater or information regarding the cleanup was available. CDM reported that the release was near the Fuel Tank Farm at

Tanks 5 and 6 from the pipeline leading from Tank 7. Site investigation and cleanup has been ongoing at the Gaylord property after CDM's Phase I ESA. Based on this information, the Gaylord Corporation property is considered an offsite REC.

The PG&E Switchyard is located south and east of the Subject Site. CDM documented that persons familiar with the Site knew of two oil circuit breaker (OCB) explosions in the switchyard that happened in 1976 and 1979 to 1981. Dielectric fluid potentially containing polychlorinated biphenyls (PCBs) may have impacted the surrounding soil during these incidences. Due to shallow groundwater ranging from 6 to 10 feet below ground surface, the groundwater may have been impacted. Groundwater flow is to the north-northwest. Based on this information, the release of dielectric fluid may have impacted the groundwater at the PG&E Switchyard. This area is considered a REC on adjacent property to the south of the Subject Site.

1.1 RECOMMENDATIONS

Recommendations are focused on the Subject Site:

URS recommends soil sampling be conducted beneath the AST foundations after tank demolition and at various locations around the Tank Farm at the Subject Site to assess potential releases of Number 6 fuel oil from the tanks and associated piping.

Areas identified in the Fluor Daniel GTI Phase II report as areas with "Remedial Issues" within the Subject Site should be appropriately addressed prior to site construction or grading activities.

URS recommends soil sampling be conducted at the locations of the former paint storage shed and construction debris pile to assess potential impact to soil in these areas.

Asbestos is located throughout the Site, including the Subject Site. Based on information provided to URS, asbestos is present in the insulating materials on the conveyance piping at the Fuel Tank Farm and possibly on the roofing materials on the storage buildings and work sheds at the Subject Site. URS recommends sampling and abatement of any asbestos prior to undertaking any demolition activities.

Painted surfaces at the Subject Site, which include the Fuel Tank Farm, work and storage sheds may contain lead. URS recommends testing of the paint for lead and removal of any lead-based paint (LBP) that is required under local, state, and Federal regulations prior to demolition.

An in-use septic tank was observed at the Subject Site adjacent to a circuit breaker unit south of the work sheds. URS recommends removal of the septic tank prior to redevelopment of the Site provided an alternative system to handle these wastes is installed or a hook up to the city sanitary system is made possible.

2.0 INTRODUCTION

This report summarizes the results of a Phase I Environmental Site Assessment (ESA) for a proposed new power plant located within the property boundary of an existing power plant (Contra Costa Power Plant) located at 3201 Wilbur Avenue in unincorporated Contra Costa County, California. For purposes of this document the term “Site” refers to the existing power plant and the term “Subject Site” refers to that part of the existing power plant proposed for development of a new power plant (see Figure 1 - Site Location Map). The new power plant will occupy approximately 27 acres and be the Marsh Landing Generating Station (MLGS). While Site Reconnaissance and document review was performed for the entire CAPP Site recommendations and conclusions are focused on the Subject Site or (MLGS). It is anticipated that a parcel subdivision will be pursued and the MLGS Subject Site will become a new property in the future. URS Corporation (URS) conducted the assessment in response to the authorization by Mirant California LLC.

2.1 PURPOSE AND SCOPE OF WORK

The purpose of the Phase I ESA was to identify Recognized Environmental Conditions (RECs) that may exist at the Site and the Subject Site. This includes areas where there could have been a release to the subsurface that has not been identified. The ASTM guidance document *ASTM Standards on Environmental Site Assessments for Commercial Real Estate*, Designation E 1527, defines RECs as “the presence or likely presence of any hazardous substances or petroleum products on a Property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the Property or into the ground, groundwater, or surface water of the Property.” The extent of research to identify RECs is limited by the scope of services discussed below.

Our scope of services for this ESA is in general conformance with the ASTM Standard Practice for a Phase I ESA (ASTM E 1527) and included the following elements:

- Review of pertinent, readily available documents and maps regarding local geologic and hydrogeologic conditions.
- Review and interpretation of selected historical aerial photographs of the Site and vicinity for selected years back to the property’s first developed use or 1940, whichever is earlier, provided by Environmental Data Resources (EDR).
- Review and interpretation of available archival topographic maps, historical land use maps (e.g., Sanborn Fire Insurance maps) and city directories (e.g., Coles and Polks and Haines Criss-Cross directories) for the Site and vicinity provided by EDR. These were reviewed for information regarding historical site land use that could have involved the manufacture, generation, use, storage and/or disposal of petroleum products or hazardous materials/wastes.

- Review of available documents regarding past and/or current property development provided by Mirant or which reside in URS' San Francisco office library.
- A reconnaissance survey of the Site, Subject Site, and surrounding areas to make visual observations of existing conditions and activities at the Site and in the property vicinity. The reconnaissance of the Site was focused on the major areas where potentially hazardous substances are stored and processed, as well as power plant operation locations.
- Interviews with the owner, property manager, or other personnel identified as being knowledgeable of past tenants and environmental practices at the Site involving petroleum products and hazardous materials/wastes.
- Review of county, state, and U.S. Environmental Protection Agency (EPA) lists of known or potential hazardous waste sites or landfills, and sites currently under investigation for environmental violations located in the vicinity of the property within the search radius specified in ASTM E 1527, including:
 - U.S. EPA National Priorities (“Federal Superfund”) List (1 mile radius)
 - U.S. Environmental Protection Agency (EPA) National Priorities (“Federal Superfund”) List (1-mile radius)
 - EPA Delisted NPL List (1/2-mile radius)
 - EPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and CERCLIS No Further Remedial Action Planned (NFRAP) Lists (1/2-mile radius)
 - EPA Emergency Response Notification System (ERNS) List (property)
 - EPA Resource Conservation and Recovery Act (RCRA) List (property and adjoining)
 - EPA RCRA Corrective Action (CORRACTS) Treatment, Storage, and Disposal (TSD) Facilities List (1-mile radius)
 - EPA Inventory of Open Dumps (1/2-mile radius) (USEPA 1985)
 - EPA Institutional and Engineering Controls databases (property and adjoining)
 - EPA Brownfields Sites
 - EPA Listing of Tribal Underground Storage Tanks (UST) Sites
 - EPA Listing of Tribal Leaking Underground Storage Tank (LUST) Sites
 - Applicable local and state agency lists.

- Telephone inquiries to applicable municipal, county, and state regulatory agencies for information regarding building or environmental permits, environmental violations or incidents and/or status of enforcement actions at the property.
- Preparation of this report for the Site describing the research performed and presenting URS' findings, conclusions, and professional opinions regarding the potential for environmental contamination at the Site. Our report includes the following, as appropriate:
 - Geologic and Hydrogeologic Setting
 - Site Specific Reconnaissance Observations
 - Current and Historical Land Use
 - Agency List Document Review
 - Results of Limited Visual Asbestos Survey
 - Reported or Suspected Hazardous Materials
 - Site Specific Findings and Recommendations
 - References
 - Site Locations and Site Plan Maps
 - Supporting Documentation.

2.2 SPECIAL TERMS AND CONDITIONS

This assessment was performed in accordance with the ASTM Standard Practice for Environmental Site Assessments, E 1527. There were no exceptions or deletions to the ASTM Standard Practice for Environmental Site Assessments, E 1527.

2.3 LIMITATIONS AND EXCEPTIONS OF ENVIRONMENTAL SITE ASSESSMENT

URS has prepared this ESA in accordance with the contract scope of work, using reasonable efforts to attempt to identify areas of potential liability associated with RECs at the Site. URS' services in the development of this report were conducted, within the limits prescribed by the Agreement, in a manner consistent with that level of care and skill ordinarily exercised by members of the same professions currently practicing in the same locality under similar conditions and no other guaranty, warranty, or representation, either express or implied, is included or intended herein. Unless limited sampling or physical testing of materials was expressly provided for in the scope of work, the conclusions in this report were based solely on a visual review of the Site and on readily available records, interviews and other secondary sources. URS has made no independent investigation of the accuracy of these secondary sources and has assumed them to be accurate and complete. URS does not warrant the accuracy or completeness of information provided by secondary sources. URS does not warrant that contamination that may exist on the Site has been discovered, that the Site is suitable for any particular purpose or that the Site is clean or free of liability. Any cost estimates are based on general comparisons with past projects of similar scope and size, and actual cost or design-phase estimates may vary substantially from these estimates.

This report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings of this assessment. Opinions and recommendations presented in this report apply to site

conditions and features, as they existed at the time of the site visit, and those reasonably foreseeable. They cannot necessarily apply to conditions and features of which URS is unaware and has not had an opportunity to evaluate.

3.0 SITE AND SUBJECT SITE DESCRIPTION

Please refer to Figure 2 - Site Plan, and Appendix B - Site Photographs, for further information regarding the Site, Subject Site, and adjoining properties.

3.1 LOCATION

The Site is located on Wilbur Avenue within unincorporated Contra Costa County, California, adjacent to the City of Antioch. The Site carries the address 3201 Wilbur Avenue. The Contra Costa County Assessor's Office indicates the Site has been assigned County Assessor's Parcel Number (APN) 051-031-014.

3.2 SITE AND VICINITY CHARACTERISTICS

Ms. Katherine Brady and Mr. Erik Skov (URS) conducted a reconnaissance of the Site and vicinity on November 29, 2007. Mr. Chuck Hicklin, Project Manager for Mirant, accompanied Ms. Brady and Mr. Skov during the Site reconnaissance.

The Site is located on Wilbur Avenue within unincorporated Contra Costa County, California, adjacent to the City of Antioch. The Site carries the address 3201 Wilbur Avenue. The Subject Site is situated on the southern side of the San Joaquin River, and is bounded by Pacific Gas and Electric (PG&E) property and the Contra Costa Power Plant to the east; portions of the existing Contra Costa Power Plant to the south; vacant, former industrial development property to the west; and existing Contra Costa Power Plant facilities to the north. The Site vicinity consists of a mixture of industrial, light industrial, commercial, and residential uses.

3.3 DESCRIPTIONS OF STRUCTURES, ROADS, OTHER IMPROVEMENTS ON THE SUBJECT SITE

The Subject Site consists of the western portion, approximately 27-acres, of the approximately 114-acre Contra Costa Power Plant (Site). The Subject Site is improved with a Tank Farm which includes five aboveground bulk storage tanks (Tanks 1 through 5) that were used to store Number 6 fuel oil, heating and pumping systems for the transfer of fuel oil to the power plant, pipelines, work sheds, storage buildings, non-hazardous waste storage area, hazardous waste storage units, parking areas, a septic system, and fire pump house.

3.3.1 Potable Water Supply

The City of Antioch supplies potable water to the Site.

3.3.2 Heating/Cooling Systems

There are small air conditioning and heating units for office spaces located throughout the Subject Site and the remainder of the power plant (Site). An air conditioning unit is present in the building marked as

Building 8 Storage and Fabrication. Other storage buildings at the Subject Site were not observed to have heating and cooling systems.

3.3.3 Stormwater and Sanitary Waste Disposal

Storm water from 70.6 acres of the CCPP site is routed through an oil/water separator on the Site and then discharged through outfall-001 to the San Joaquin River under the NPDES permit #CA0004863 (Mirant, 2007). A septic tank is present south of the work sheds at the Subject Site. The main Site is serviced by a separate septic system consisting of a leach mound and former leach field.

3.4 CURRENT USES OF THE SUBJECT SITE

There are two asphalt paved parking areas and one unpaved parking area used by power plant personnel within the Subject Site. The areas also provide parking for the employees of PG&E. Several work sheds and storage trailers located east of the bulk fuel oil tanks 2 and 4 are used as offices for power plant staff and storage for documentation, painting equipment, and asbestos removal equipment. One hazardous waste storage shed and one non-hazardous waste storage shed are situated on raised platforms on a concrete pad are located east of the work sheds.

Portions of the Subject Site have a concrete pavement and some areas are not paved. A previous Phase I ESA conducted by CDM in 1997 designates this area the Insulation and Coatings Department Office and Construction Yard. A building, designated as Building 8 Storage and Fabrication, is used for various equipment, paint supplies, and insulation storage. The previous Phase I ESA also indicates that asbestos accumulation bins and a paint storage area were located in the yard; however, no asbestos accumulation bins or a paint storage shed were observed in the yard during URS' site reconnaissance. A shed located east of the former paint storage shed is used to store large piping sections. Accumulation bins for non-hazardous waste storage are located on the west side of the shed. The Tank Farm and associated piping and equipment are no longer in use.

3.5 PAST USES OF THE SITE

Based on a review of historical information for the Site, the Site was developed as a power plant in 1952-1953. Prior to 1952, the Site was undeveloped. The Tank Farm and associated piping and equipment were in service from 1952 until approximately 10 years ago, to fuel the power plant. During this time period a pipeline connecting the Contra Costa Power Plant and Pittsburg Power Plant (the Contra Costa/Pittsburg Pipeline) brought fuel oil to the Contra Costa Power Plant. The pipeline has been out of service since converting plant operation to natural gas. The status of the pipeline is updated with the National Pipeline Mapping System (NPMS). A portion of the Subject Site was designated as the Insulation and Coatings Department Office and Construction Yard, which was used for the storage of paints and paint supplies, accumulation of asbestos waste and removal equipment, and the storage of hazardous waste. The area formerly and presently contains, as observed during the site reconnaissance, an underground septic system, one hazardous waste storage unit, transformers, load center, storage and fabrication building, work sheds, a fire pump house and parking areas. This area was used as office space for power plant personnel and as a construction yard for various construction debris.

3.6 CURRENT AND PAST USES OF ADJOINING PROPERTIES

The area surrounding the Subject Site is currently and has historically been used mainly for industrial, light industrial and commercial purposes. The Subject Site was formerly and is presently used as an office and construction yard, hazardous waste and non-hazardous waste storage, and parking areas for the power plant adjacent to the Subject Site. The Subject Site contains ASTs 1 through 5. The property to the west, which is owned by Gaylord Container Company and is now vacant, was developed for industrial use. In addition, the Subject Site is surrounded to the east by the Contra Costa Power Plant (Site) and PG&E Switchyard. Prior to 1952, the surrounding properties were not developed.

3.7 PHYSICAL SETTING

The Site is situated at an approximate elevation of 10-feet above mean sea level (msl). According to information contained in the EDR database report, a portion of the Site near the San Joaquin River is located within the 100-year flood zone. The topographic gradient is to the northeast, towards San Joaquin River.

3.7.1 Geology

The Site is located in the San Joaquin River delta within the Coast Range physiographic province. Fill material and deltaic deposits are located at the Site. Although fill material, which is approximately six feet thick and consists mainly of silty sand from nearby sources, is located throughout the Site, a majority of the fill material is located at the northeastern portion of the Site. Beneath the silty sand is approximately 125- to 140-foot-thick aquifer comprised of fine to coarse-grained sand with lenses of clay silt and peat, which can range from one to 15 feet thick. The layer beneath this aquifer is called the Montezuma Formation, which is an approximately 1,200-foot layer of clay, sand, and gravel mixture.

According to a report from PG&E entitled *Hazardous Waste Part B Permit Application for Oily Water Separator and Boiler Wastewater System at the Contra Costa Power Plant*, dated May 1986, there is no evidence of any seismic activity within 3,000 feet of the Site. However, two faults, the Vaca and Antioch, are located between 1 and 25 miles from the Site.

3.7.2 Hydrogeology

The aquifer beneath the Site is composed of fine to coarse-grained sands and thin layers of clay silt and peat. The thin layers become thicker as they approach the northeastern portion of the Site and the San Joaquin River. The thin layers are less permeable, thereby causing perched water.

The depth to groundwater ranges from 6 to 10 feet below ground surface (bgs). The depths fluctuate with tidal influences from San Francisco Bay that affect water levels in the San Joaquin River as well as from seasonal forces. The direction of groundwater flow is north northwest towards the San Joaquin River according to several groundwater level measurements from the on site groundwater monitoring wells.

There are eight groundwater monitoring wells located north of the switchyard installed by Mittlehauser Corporation for PG&E in 1987. Four monitoring wells, Well 2 through Well 5, are located south of an asphalt paved road and south of Units 6 and 7 at the Site. Well 6a is located northeast of the former air preheater fireside wash pond, and Well 5a is located on the northeast corner of the construction yard. Wells 1 and 7 are located on the northeast side of the switchyard. PG&E is no longer required to monitor these wells. No monitoring wells were observed at the Subject Site.

There are no bodies of water within the Site; however the Power Plant facility uses the San Joaquin River for intake water and water discharges. There are ten outfalls located on the north end of the Site. The outfalls are all permitted under the NPDES permit #CA0004863.

4.0 RECORDS REVIEW

URS has reviewed federal, state, and local database records for the Site and surrounding properties. These records provide information on whether hazardous substances, wastes or petroleum products have been improperly handled, stored, or disposed of on, or adjacent to, the Site.

4.1 FEDERAL AND STATE REGULATORY AGENCY RECORDS REVIEW

The federal and state records review was accomplished through a computer database search of facilities, which appear on a series of government lists. The database search for the Site and surrounding properties was performed for URS by EDR. A copy of the regulatory agency database report, dated November 2, 2007, is included in Appendix C.

Through the database review, URS can identify and locate facilities based on information submitted to government environmental agencies. In some cases, the location information is misleading or incorrect. URS conducted a walkover of an area approximately one-eighth (1/8) mile in radius around the Site to identify and to locate facilities, such as gasoline stations and dry cleaners, which are suspected to utilize significant quantities of hazardous substances, wastes or petroleum products. In this way, URS is better able to establish the risk posed to the Site by surrounding properties. For the purposes of this Phase I ESA, only facilities that have been identified as release sites within 1/8 mile of the Site are discussed in this analysis. A summary of properties identified through the review is provided in Table 4.1.

The Site was listed on several of the databases including CERC-NFRAP, CORRACTS, RCRIS-TSD, RCRIS-LQG, ERNS, FTTS and Hist FTTS, FINDS, RAATS, CA WDS AST, Contra Costa County Site List, CHIMRS, HAZNET and EMI.

No surrounding release sites with a potential to impact the Site have been identified within 1/8 mile of the Site.

Unmapped Sites

Unmapped sites are sites that have been identified within the database report but not mapped because of inadequate or erroneous Geocode information. The EDR database report identified 29 unmapped sites. Of these, three are located within the power plant property and named PG&E or Contra Costa. Twelve of the referenced sites are located in the City of Antioch; however, not enough information was provided to give the exact location. The sites that could not be located are provided in the EDR report.

4.2 LOCAL REGULATORY AGENCY REVIEW

During the performance of an ESA, federal, state, and local regulatory agencies having jurisdiction over the Site are contacted to obtain the following information: the status of relevant environmental permits; whether there have been any notices of violations or other similar correspondence from such agencies; whether any corrective action or remediation is planned, is taking place, or has been completed at the Site; whether there have been any reported violations or complaints that the Site is not in compliance with environmental laws, regulations, or standards and whether the Site is under investigation for such noncompliance; whether the Site is listed on available regulatory databases; and whether there is other

pertinent documentation on file with such regulatory agencies regarding the Site or surrounding properties of concern. Regulatory agencies contacted and a summary of the information obtained from these agencies are provided below.

Table 4.1 Summary of Federal and State Regulatory Agency Records Review			
Federal or State List	Does Site Appear on List?	Surrounding Area Search Radius *	Number of Sites Within Search Radius
The CERCLIS-No Further Remedial Action Planned (NFRAP) database identifies sites that have been removed from CERCLIS after an initial investigation because no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.	Yes	Site and adjacent properties	2
Resource Conservation and Recovery Act (RCRA) Corrective Action Plan (CORRACTS) RCRA TSD facilities ordered to implement corrective actions	Yes	1.0 mile	1
Resource Conservation and Recovery Information System - Treatment, Storage or Disposal Facilities (RCRIS-TSD)	Yes	0.5 mile	1
RCRA Registered Large and Small Quantity Generators of Hazardous Waste (LQG/SQG)	Yes	Site and adjacent properties	1
Emergency Response Notification System (ERNS)	Yes	Site only	0
Tracks administrative cases and pesticide enforcement actions and compliance with FIFRA (FTTS and HIST FTTS)	Yes	0.25 mile	0
Facility index system/facility registry system contains both facility information and pointers to other sources of information (FINDS)	Yes	0.25 mile	0
RAATS	Yes	0.25 mile	0
State Water Board database of sites suspected of containing hazardous substances where cleanup has not been completed (Toxic Pits)	No	1.25 mile	2
Sites that have been issued waste discharge requirements (CA WDS)	Yes	0.25 mile	0
Waste Management Unit Database provided by the State Water Resources Control Board (SWRCB) that tracks and inventories waste management units. (WMUDS/SWAT)	No	0.75 mile	2
Hazardous Wastes & Substances Sites List (Cortese)	No	0.75 mile	6
Leaking Storage Tanks (LUST)	No	0.75 mile	5
California Spills, Leaks, Investigation and Cleanup Cost Recovery Listing (CA SLIC)	No	0.75 mile	3
State underground storage tank sites listing (UST)	No	0.5 mile	1
Sites with registered aboveground tanks (AST)	Yes	0.5 mile	1
Contra Costa County Site List	Yes	0.5 mile	9
California Hazardous Materials Incident Report System (CHMIRS)	Yes	Site only	0
State Voluntary Investigation and Cleanup Program list (VCP)	No	0.75 mile	3
Tracks hazardous waste manifests from facilities (HAZNET)	Yes	0.25 mile	0
Emission Inventory Index (EMI)	Yes	0.25 mile	0
DTSC database identifies sites that have known contamination or sites for which there may be reasons to investigate further (Envirostor)	No	1.25 mile	6
* indicates the distance measured from the Site that was included in the database record search			

- **U.S. EPA Region 9** was contacted on November 5, 2007 regarding files for the Site. There were no files for the Site. However, there were four NPDES permit effluent violations between July 2005 and June 2007 for the main power plant. Three were resolved. The remaining one, which occurred between April and June 2007, has not yet been resolved. No formal enforcement action has been issued.
- **Cal-EPA Department of Toxic Substances Control (DTSC)** was contacted on November 5, 2007 regarding files for the Site. There are no records on file for Contra Costa Power Plant.
- **Cal-EPA Regional Water Quality Control Board-Central Valley and Bay Area Regions** were contacted on November 5, 2007 regarding a request to search public records for the Site. The boards replied to the request and indicated no records for the Site are on file with the RWQCB.
- **State Regional Water Quality Control Board Geotracker** database was searched on November 5, 2007 regarding public records for the Site. No documentation for the Site was located on Geotracker.
- **Contra Costa County Hazardous Materials Program** was contacted November 5, 2007 regarding a request to search public records for the Site. Files were available for the Site. The files included hazardous materials manifests, Hazardous Materials Business Plans, correspondence between the Power Plant and the County; underground storage tanks closures and lab results.
 - The Contra Costa Power Plant is under a permit by rule for a fixed treatment unit, which treats oily water through an oil water separator and then discharges the treated water through outfalls located at the power plant. The power plant's EPA ID number is CAT080011489. The authorization date is December 13, 1993.
 - A Certificate of Insurance for Closure/Post Closure for the Contra Costa Power Plant's Hazardous waste facility was on file. The effective date of closure/post closure was April 2, 2006.
 - Tiered Permitting Phase I Environmental Assessment Checklist signature and certification for permit by rule and conditional authorization form was signed by Gregory S. Keezer, the Plant Manager for PG&E at Contra Costa Power Plant and Craig R. Fletcher, an environmental engineer, and dated December 19, 1996.
 - An Onsite Hazardous Waste Treatment Notification Form was submitted to the DTSC for the PG&E Contra Costa Power Plant for performing the demineralization of water dated March 17, 1995.
- **Contra Costa County Fire Protection District** was contacted November 5, 2007 regarding a request to search the public records for the Site. The Fire Department indicated they do not have any records available for review.

- **Bay Area Air Quality Management District (BAAQMD)** was contacted regarding a request to search the public records for air permits for tenants at the subject Site. Asbestos was removed from the Site and the power plant Units by Performance Abatement Services, Inc., of Richmond, California from June 2000 through October 2007. The following two violations were recorded for the main power plant area:
 - A Notice of violation was issued by BAAQMD April 24, 1992 for Boiler #9.
 - A second violation for a faulty flow valve CO2 monitor at Boiler #9 East was issued July 23, 1992. The valve and boiler were corrected in October 1992.

4.3 HISTORICAL USE INFORMATION

4.3.1 Aerial Photograph Review

Aerial photographs of the Site and vicinity were reviewed, and are discussed below.

- 1952 A power plant facility appears to be under construction at the Site. Observed on the Site are five bulk ASTs, a switchyard, power generation units, a parking area and what appear to be small office buildings located to the east of the ASTs and north of the power generation units. The power generation units appear to have several stacks. To the south of the Site is Wilbur Avenue. Further south on the Site there appears to be undeveloped land and tree groves south of the rail line, which borders the Site. To the north are the San Joaquin River and a pier extending out into the Bay from the power generation units. To the south there appears to be farmland and some undeveloped areas. East of the Site is undeveloped land. Northeast of the Site there appears to be a marina and undeveloped land. West of the Site there appears to be an industrial facility with several large piles of sand or fill material. More tree groves appear to the southwest.
- 1958 The power plant at the Site appears to be completed. The Site vicinity appears unchanged.
- 1965 Only the Site and an area to the south are visible on this aerial photograph. There appear to be additional small buildings to the north of the power generation units. Additional power generation units appear to the east of the original units, including one stack. Another section has been added to the switchyard. Another pier appears to the west of the old pier. The parking area, which was located just south of the original power generation units, has been moved further to the south. The land to the south appears to be developed with tree groves.
- 1970 The Site appears to have a square pond located south of the power generation unit. It is assumed that this is the former Boiler Chemical Cleaning Wash Pond. A commercial facility appears to the southwest of the Site.

- 1984 Three larger bulk ASTs and one small AST appear at the Site to the south and southeast of the original ASTs. An area to the south of the switchyard appears to be under construction. The property to the west appears to have several new developments, which include several ASTs, ponds, storage areas and buildings. An AST appears to the south of the adjacent property to the west, across Wilbur Avenue. The area approximately 1/3 mile to the south and southwest appears to be developed with residences. A highway appears to the southeast and east. Commercial developments and areas that appear to be under construction are observed to the east.
- 1993 No significant changes are observed to the Site. No significant changes are observed to the site vicinity except for additional residences to the southeast.
- 1998 No significant changes are observed to the Site. No significant changes are observed to the site vicinity.

No additional information was revealed during review of the aerial photos provided by EDR.

4.3.2 Historical Sanborn Map Review

URS contracted with EDR to conduct a search of their collection of Sanborn Fire Insurance Rate Maps for coverage including the Site. Sanborn Fire Insurance Rate Maps were not available for the Site.

4.3.3 Historic City Directories

URS requested EDR search their database for historical city directories. The following information was obtained from the directory.

Year	Site	Surrounding Properties
1971 – 1996	Address Not Listed	No Addresses Listed
2001	Mirant Corporation	Sportsmen Yacht Club (3301 Wilbur Avenue) Residence (3305 Wilbur Avenue) Logan’s Bait and Tackle and Gift Shop (3307 Wilbur Avenue)
2006	Mirant Corporation	Same as above

4.3.4 Historical Topographic Maps

Topographic maps for the Site and the surrounding properties provided by EDR were reviewed. A summary of the historical topographic maps is presented below for the years 1908, 1918, 1953, 1968, and 1978.

- 1908 The Site is undeveloped. The San Joaquin River borders the Site to the north and north-northwest. Wilbur Avenue and the Atchison, Topeka and Santa Fe Railway appear to the south. Two cemeteries appear further to the south. An unpaved/unfinished road and marshland appear to the east of the Site. The City of Antioch, located to the west and south of the Site, is developed.
- 1918 The Site, adjacent properties, and the site vicinity appear relatively unchanged from the 1908 topographic map. However, the name Marsh Landing does appear to the east of the Site near the end of the unpaved/unfinished road.
- 1953 The Site is now developed with five ASTs bordered by large berms, a large structure northeast of the ASTs, several paved roads, several power lines which enter the site from the south, and rail line spurs that enter the Site from the south from the Atchison, Topeka and Santa Fe rail line. The area to the west of the Site appears to be developed with three structures. Further west there are a tower and a sand pit. Several small structures appear to the east of the Site. There are several small structures that appear to be residences to the southwest of the Site. Tree groves appear to the east, southeast, and southwest.
- 1968 New structures appear around the original structure at the Site. Several new structures appear on the adjacent property to the west. Two marinas appear to the east of the Site. Two piers appear at the northern Site boundary near the original structure. A drive in theater appears to the southeast adjacent to a trailer park and surrounded by tree groves.
- 1978 A water tank appears on the Site to the northwest and a new large structure appears to the east of the original structure. Three larger bulk ASTs appear to the south of the original five ASTs, and a smaller AST appears to the east of the bulk ASTs. A picnic area has been designated to the northeast of the new structure at the Site. Additional ASTs and water tanks appear to the west of the Site on the adjacent property. Additional rail lines and rail spurs also appear to the west of the Site. There appears to be five industrial ponds to the west. Two large structures appear to the south of the rail lines southwest of the Site. East Antioch has been developed and appears to be a residential area. Route 160 has been developed and runs between the drive in theater and the trailer park. The Site vicinity has developed into a mixture of industrial, commercial and residential areas. Many of the tree groves that appeared in the previous topographic maps have diminished in size.

4.3.5 History of Site Use

A review of aerial photographs, historical topographic maps, previous environmental investigations and interviews with individuals knowledgeable with the Site indicate the Site has been used as a power plant from 1952 to the present time.

5.0 INFORMATION FROM SUBJECT SITE RECONNAISSANCE AND INTERVIEWS

5.1 INTERVIEWS

Ms. Katherine Brady and Mr. Erik Skov (URS) conducted a reconnaissance of the Site, Subject Site and vicinity on November 29, 2007. As indicated previously, Mr. Chuck Hicklin, of Mirant, accompanied Ms. Brady and Mr. Skov during the site reconnaissance. Mr. Hicklin has been working for Mirant for approximately eight years. Weather conditions at the time of the reconnaissance were partly cloudy skies, with no weather-induced limitations to URS' site reconnaissance.

5.2 HAZARDOUS SUBSTANCES AND WASTES IN CONNECTION WITH IDENTIFIED USES

Hazardous substances in the form of diesel fuel, Number 6 fuel oil, lead paints, latex and enamel paints and asbestos are present at the Subject Site. Number 6 fuel oil is contained in the ASTs at the Tank Farm. Asbestos may be present in the buildings and is documented to be present in insulation for above ground piping from the Tank Farm. Lead paints may be present in the storage buildings and painted surfaces located in the construction yard at the Site. Latex and enamel paints as well as paint waste are located in the storage buildings.

5.3 HAZARDOUS SUBSTANCE CONTAINERS AND UNIDENTIFIED SUBSTANCE CONTAINERS

As indicated above, URS observed containers containing hazardous substances, which included enamel paint, latex paint and waste latex paint in storage areas at the Subject Site. However, no unidentified containers of potentially hazardous materials were observed. Also Hazardous Materials and Hazardous Waste enclosures were observed at Subject Site. However, no staining or indication of a release was observed. As indicated previously, staining was observed at the fuel oil processing units adjacent to each of the ASTs by CDM during their Phase I ESA. Additionally some dried paint was observed on the concrete pad near the location of the fire pump house.

5.4 STORAGE TANKS

5.4.1 Underground Storage Tanks

URS observed evidence of one operating underground septic tank during reconnaissance of the Subject Site. Four manholes to the septic tank are located adjacent to the concrete pad mounted #8 load center located on the east side of the work sheds. The area above the tank is unpaved.

5.4.2 Aboveground Storage Tanks

ASTs 1 through 5 are present along the western side of the Subject Site. The ASTs are constructed of steel situated on a concrete foundation and have individual concrete lined secondary containment berms. The area around the tank between the concrete pad and the berm is not paved. According to the Hazardous Materials Business Plan dated February 2007 for the Site, the bulk storage ASTs 1 through 8

currently contain a combined amount of approximately 7,229,500 gallons of Number 6 fuel oil; however, according to site personnel the ASTs currently contain approximately 2.2 million gallons (Welch, 2008). The ASTs have been out of use for approximately 10 years. The Phase I ESA conducted by CDM states that only ASTs 2 and 6 contain substantial amounts of fuel oil. The remaining ASTs have less than 1.5 feet of fuel oil. Fuel oil has been removed from the ASTs since the Phase I ESA was conducted by CDM in 1997. The remaining amount of fuel oil will be removed prior to proposed demolition of the ASTs and associated piping.

During the site reconnaissance, no visible staining was observed around the base of the ASTs located at the Subject Site. As indicated previously, staining was observed at the fuel oil processing units adjacent to each of the ASTs by CDM during their Phase I ESA. Any surface drainage within the secondary containment for each of the ASTs flows to a catch basin, which is directed to an oil water separator system at the northwest corner of the power plant. Once the water is treated it is discharged via outfall .001 in the northwest corner of the facility. The integrity of the concrete foundation beneath each of the ASTs was not inspected and the area between the ASTs and the berms is not paved.

5.5 POLYCHLORINATED BIPHENYLS (PCBs)

According to CDM's Phase I ESA, no electrical equipment with a concentration of PCBs greater than 50 parts per million is present at the Site based upon PG&E's annual documentation.

Main bank transformers are located south of the retired power plant units 1 through 5. According to CDM's Phase I ESA report dated October 1997, underground transfer lines were used for removing dielectric fluid from the main bank transformers. Plant personnel could not verify that the lines have been tested. Although available test results indicate low concentrations of PCBs in the dielectric fluid for the main bank transformers, the fluids were not tested prior to 1975. The integrity of the underground lines is not known, however, it is possible that the soil and groundwater may be impacted with PCBs.

5.6 INDICATION OF SOLID WASTE DISPOSAL

Office packing, and food waste are collected and disposed of off site.

5.6.1 Process Materials and Wastes

Based on observations made during the Site reconnaissance, there are no process wastes generated at the Subject Site. Two non-hazardous waste dumpsters are located south of the storage shed.

5.6.2 Site Waste Containment or Deposits

URS observed no evidence of dumping or burying of solid or hazardous wastes on the Subject Site.

5.7 OTHER ENVIRONMENTAL CONSTRAINTS

5.7.1 Drains and Sumps

Stormwater drains were observed at the base of the berms surrounding the ASTs in the Tank Farm area and in the construction yard at the Subject Site. No staining, odors, or sheen were observed around any of the drains.

5.7.2 Evidence of Cesspools

URS observed no evidence of cesspools. One septic tank was observed at the Subject Site just south of the work sheds. Sanitary waste is pumped from the tank after accumulation.

5.7.3 Stressed Vegetation and Stained Soils

URS observed no evidence of discolored soil, stressed vegetation or other indications of contamination on or adjacent to the Subject Site at the time of Site reconnaissance.

5.7.4 Wells

URS observed no evidence of the presence of wells during reconnaissance of the Subject Site. Several groundwater monitoring wells are reportedly present on the Site to the east of the Subject Site, in the area of the former leach mound and leach field.

5.7.5 Oil and Gas Wells

No oil or gas wells were observed in the vicinity of the Subject Site during the reconnaissance of the Subject Site and surrounding area.

5.7.6 Potential Wetlands Issues

According to the information provided by EDR, obtained from the United States Fish and Wildlife Service, National Wetland Inventory Map, there are no wetlands present at the Subject Site.

5.7.7 Flood Zone

According to the information provided by EDR, the Subject Site is not located within a mapped flood zone. Other portions of the Site are located within the 100-year flood zone.

5.8 ASBESTOS-CONTAINING MATERIALS (ACM)

According to Mr. Hicklin, ACM is located throughout the Site and Subject Site on piping and buildings. Within the Subject Site asbestos pipe wrapping is present on the fuel oil distribution lines. Personnel at the Site are aware of the ACM and handle it according to safe work practices. If ACM is encountered during equipment repair or maintenance, the ACM is removed from the Site. During the reconnaissance of the Subject Site, no friable or damaged ACM was observed. The ACM is proposed for removal during the proposed demolition of the Subject Site buildings and ASTs and associated conveyance piping.

The Phase I ESA conducted by CDM in 1997 for the power plant indicated that asbestos accumulation bins were in the construction yard. These bins were not observed during URS' Site reconnaissance conducted on November 29, 2007. Instead, non-hazardous construction debris including insulation materials was observed in two bins near the former paint storage area.

5.9 RADON

URS reviewed the Area Radon Information for Contra Costa County, California provided by EDR. According to the information presented in the EDR report, the EPA Radon Zone for this Zip Code in the County of Contra Costa is 2: indoor air average ≥ 2 pCi/L and ≤ 4 pCi/L of air.

5.10 LEAD-BASED PAINT (LBP)

The painted surfaces on buildings and equipment at the Subject Site may contain LBP. The LBP, if required, will be abated during the proposed demolition of the Subject Site buildings and ASTs.

6.0 PREVIOUS REPORTS

URS reviewed reports prepared by PG&E and reports prepared for PG&E by CDM and Fluor Daniel GTI. These reports are on file with Mirant and the Contra Costa County Hazardous Materials Program. A summary of the findings from review of these reports is provided below.

6.1.1 1997 Phase I ESA Prepared by Camp Dresser and McKee (CDM)

A Phase I ESA, dated October 1997, was prepared by CDM at the request of PG&E for the entire property of the Contra Costa Power Plant, as configured in 1997. The findings and conclusions of the CDM Phase I ESA are summarized below.

A majority of the site is underlain with approximately six feet of artificial fill from nearby sources or on the power plant property (Mittelhauser 1987). Soil sample analytical results regarding the artificial fill were not available.

Oily sludge was observed in the oil water collection sump at the southwest corner of the switchyard near the fuel tank farm. The integrity of the sump is not known and, therefore, the sump may potentially impact the surrounding soil and/or groundwater.

CDM documented that persons familiar with the site knew of two OCB explosions in the switchyard that happened in 1976 and 1979 to 1981. Dielectric fluid potentially containing PCBs may have impacted the surrounding soil during these incidences.

Natural gas condensate flooded the gas regulation station approximately 25 years ago. Information was not available from PG&E regarding the incident. Hydrocarbon stained concrete was observed during the site reconnaissance. Based upon the release, the soil in the area may be impacted by natural gas condensate.

Soil staining was observed in the various hazardous materials storage areas throughout the power plant. The hazardous materials may impact the surrounding soil.

Site personnel indicated that the former paint department was located in the unpaved area near the Quonset hut on the northeast portion of the power plant. Paint brushes were cleaned routinely in this area. Based on this information the soil may be impacted.

Paint pots were washed in the unpaved area near the traveling screens for Units 6 and 7. Soil and/or groundwater may be impacted in this area.

The integrity of the power plant's drainage system is not known. The drainage from the cleaning of various mechanical parts was discharged into the system. Therefore, soil and or groundwater may be impacted from this activity.

Staining was observed around the cardboard compactor. Soil may be impacted in this area.

The main bank transformers located at the Units leaked dielectric fluid into the rock blotter. The dielectric fluid may have formerly contained PCBs. Former concrete basins collected storm water runoff from the rock blotters. The exact location of these basins and underground piping from the rock blotters was not identified and the integrity is unknown. Site personnel could not verify that the integrity of the underground piping has been tested. Therefore, soil and/or groundwater may be impacted in this area.

According to PG&E Hazardous Waste Storage Ponds Closure Plan prepared by Mittelhauser October 10, 1985, an analysis of boiler fireside and air preheater wastes indicate the presence of total chromium, copper fluoride and lead. PG&E removed the solid wastes and placed it as fill material along the northern portion of the property. The solid waste may contain waste oil. Therefore, soil and/or groundwater may be impacted in this area.

Wash water from boiler components was discharged into an oil/water separator or collecting pit. Integrity of the piping, which discharges the wash water into the separator and pit, is not known. Therefore, soil and/or groundwater may be impacted.

No information was available regarding the closures of the north and south lagoons for demineralizer wastes and oil/water treatment system. Therefore, soil and/or groundwater may be impacted in these areas.

Soil sampling for laboratory wastes was proposed in and around the leach mound located south of Units 4 and 5. No soil sampling was conducted and no information was available from PG&E or regulatory agencies. Therefore, soil and/or groundwater may be impacted in this area.

The leach mound replaced the leach field, which was formerly located adjacent to the leach mound prior to 1984. Laboratory wastes were also received here. No soil sampling was conducted and no information regarding the field was available. Therefore, soil and/or groundwater may be impacted in this area.

Hazardous substances may be contained in construction debris near the marine terminal on unpaved areas. The construction debris included sandblasting material, asphalt, concrete, soil and wood. Therefore, soil and/or groundwater may be impacted.

Soil piles from construction activities that were placed between the switchyard and construction yard were analyzed for total petroleum hydrocarbons as diesel fuel, motor oil and PCBs. PCBs were not detected. TPH as diesel fuel was detected at 132 ppm and motor oil was detected at 190 ppm. Soil and/or groundwater may be impacted in this area.

Oily sludge was observed within the oil/water collection sumps located at Units 1 through 5. Staining was also observed around the sumps. The integrity of the sumps is unknown and, therefore, soil and/or groundwater may be impacted in these areas.

6.1.2 1998 Phase II Environmental Site assessment, Pacific Gas and Electric Company, Contra Costa Power Plant

As part of the divestiture of the Contra Costa Power Plant, PG&E proposed to indemnify the plant buyer for all soil or groundwater contamination existing at the plant at the time of the sale under the terms set forth in PG&E's application to the California Public Utility Commission (CPUC). As indicated previously, CDM prepared a Phase I ESA for the CCPP in 1997. Based on these results and other information, Fluor Daniel GTI designed and implemented a Phase II site investigation of the power plant as it was configured in 1998.

The purpose and objectives of the investigation and reporting were to:

- Conduct subsurface testing to investigate issues identified in CDM's Phase I ESA and establish a baseline definition of chemical distribution.
- Present, summarize, and evaluate data collected during the subsurface investigation to determine the nature and extent of any impact on soil and groundwater.
- Conduct and present the results of a baseline health risk assessment (BHRA).
- Establish cleanup levels for chemicals which, based on the BHRA and regulatory requirements, are likely to require remediation.
- Develop an approach to any required remediation and estimate the costs.

For the Phase II Fluor Daniel GTI established a biased grid for soil and groundwater sampling to provide the necessary data to achieve the stated objectives. A soil and groundwater was prepared and the Site was divided into six different investigation areas as follows:

- Area 1: Process Treatment Area and Waste Surface Impoundments.
- Area 2: Operation Warehousing and Construction Yard.
- Area 3: Power Plant Units 1 through 7.
- Area 4: Tank Farm and Impounding Basins.
- Area 5: Paint Yard, Leach Mound and Former Impoundments.
- Area 6: Raw Water Clarifier Sludge, San Storage, and Employee Recreation Pacific Service Employee Association [PSEA] areas.

Subsurface sampling and testing was conducted between September and December 1997 and included the following:

- Drilling 343 soil borings, including hand auger borings.
- Collection and analysis of 878 soil samples and 2 soil pile composite samples.
- Installation of 69 temporary groundwater monitoring wells.
- Installation of 7 permanent groundwater monitoring wells.
- Collection and analysis of 29 groundwater samples from the 7 newly installed wells, 11 existing permanent monitoring wells, and 4 existing sump wells.

Surrounding Properties

The Gaylord Corporation occupied the property adjacent to the power plant to the west. Tank 7 at the site was formerly used to store black liquor, a by-product of pulp production consisting of wood material in a sodium sulfide and hydroxide solution. An unreported amount of black liquor was released near the Fuel Tank Farm at the Site near Tanks 5 and 6 in the mid-1980s from the pipeline leading from Tank 7 to the Gaylord Property. Therefore, soil and/or groundwater may be impacted in this area and affect the site on the Fuel Tank Farm.

Results of Soil Sampling and Analysis

A summary of the results from the Phase II site investigation is presented below.

- Volatile Organic Compounds (VOCs) – Methylene chloride was detected at very low concentrations that were interpreted to be laboratory contamination. Four other VOCs were detected at low concentrations. Methylene chloride was however, the VOC detected at the highest concentration (0.04 milligrams per kilogram [mg/kg]).
- Concentrations of Total Petroleum Hydrocarbons (TPH) greater than 300 mg/kg were detected in several areas across the Site. The highest concentration detected was 1,300 mg/kg.
- Concentrations of Polynuclear Aromatic Hydrocarbons (PAHs) were detected in several areas and were believed to be associated with the detections of TPH in the same location. The highest concentration of total PAHs detected was 56.72 mg/kg.
- Concentrations of metals above the calculated background were found in all of the areas analyzed for metals. Of particular note was the concentration of several metals in subsurface soil samples in the Raw Water Clarifier Sludge Storage Area.
- Polychlorinated Biphenyl (PCBs) were detected in two areas of the site. Aroclor 1260 was the highest PCB concentration (0.036 mg/kg) detected.
- Asbestos was not detected in any of the samples analyzed.

Results of Groundwater Sampling and Analysis

- VOCs were detected in groundwater at low concentrations in two areas. The highest VOC detection was naphthalene at a concentration of 190 micrograms per liter ($\mu\text{g/L}$).
- The highest concentration of TPH detected in groundwater was 14 milligrams per liter (mg/L). TPH in groundwater was typically detected in the vicinity of the Area 2 leach mound, the foot of the marine dock, and at other scattered locations.
- PAHs were detected in three areas. The highest individual PAH concentration detected was naphthalene at 56 $\mu\text{g/L}$.
- A total of 11 metals at varying concentrations were detected in groundwater from different areas across the Site.
- No PCBs were detected in any of the groundwater samples analyzed.

Health Risk Assessment

Based on the results of the soil and groundwater sampling, Fluor Daniel GTI completed a Baseline Health Risk Assessment (BHRA) to determine if concentrations of chemicals detected in soil and groundwater presented an unacceptable risk to human health and the environment. Health risks were calculated for three receptor populations that included the following:

- Current and future on-site workers
- Current and future construction worker
- Current groundskeeper in the PSEA recreation area.

Based on the results of the BHRA, no unacceptable risks to the three human receptor populations were identified. Additionally, based on fate and transport modeling, no chemicals that would cause an unacceptable risk to ecological receptors at the San Joaquin River via groundwater flow were identified.

The data from the Phase II soil and groundwater investigation was used for comparison with cleanup levels that were determined in the review of regulatory requirements. The following three issues were identified as ones where a regulatory agency would likely require remediation.

- Remedial Issue I addresses the remediation of arsenic in groundwater at locations where concentrations exceed the Maximum Contaminant Level (MCL).
- Remedial Issue II addresses remediation of TPH in soil where concentrations exceed 300 mg/kg .
- Remedial Issue III addresses remediation of TPH in groundwater where concentrations exceed 100 $\mu\text{g/L}$.

The Subject Site that is proposed for the new power plant development is comprised of portions of Areas 4 and 5 discussed in the Fluor Daniel GTI Phase II. Based on the information in the Fluor Daniel GTI Phase II investigation report, there are several places within Areas 4 and 5 that are identified as being Remedial Issues. These locations are shown on Figure 3. Additionally, Fluor Daniel GTI also identified areas of future environmental concerns outside those identified in the Phase II investigation that would be recognized after a “triggering event” (e.g. demolition onsite). Specifically, Fluor Daniel GTI identified a potential for impact to soil and groundwater that may exist beneath the petroleum ASTs in Area 4.

7.0 SUMMARY AND CONCLUSIONS

URS has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice 1527 of the Site located at 3201 Wilbur Avenue, in unincorporated Contra Costa County, California, adjacent to the City of Antioch. Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report.

This assessment has revealed the presence of several RECs at the Subject Site.

The Fuel Tank Farm, which includes ATSS 1 through 5, is located on the west and south end of the Site. The tanks have not been used for approximately 10 years. The power plant has been using natural gas to generate power. Approximately 2.2 million gallons of Number 6 fuel oil remain in the tanks, according to site personnel (Welch, 2008). The structural integrity of the tanks and the concrete pad beneath them is unknown. The areas around the tanks are unpaved. Staining was observed at the fuel oil processing units adjacent to each of the tanks. According to CDM's Phase I ESA report, Tank 7 was formerly used to store black liquor for the Gaylord property adjacent to the west. A pipeline from Tank 7 at the Site led to a shed on the Gaylord property boundary. The exact location of the pipeline is not known. A release of black liquor occurred near Tanks 5 and 6 in the mid-1980s from the pipeline leading from Tank 7 to the Gaylord property. CDM reported no releases or staining around the base of Tanks 6 through 8; however, no documentation is available on the integrity of the foundation pads beneath the tanks. Based on the limited information regarding tank foundation integrity, the Fuel Tank Farm presents a REC.

According to a drawing from the previous Phase I ESA prepared by CDM, a paint storage area was formerly located north of the former asbestos accumulation bins and south of the work sheds and underground septic tank at the Subject Site. Information regarding the paint storage area was not available. Based on this information, the former paint storage shed presents a REC.

A concrete pad is located just south of the access road and west of the small firehouse and hazardous waste storage shed. Both the house and the shed have been placed on the concrete pad. Dried paint was observed on the western portion of the concrete pad. Stormwater runoff from the concrete following paint activities may impact the soil and/or groundwater. Based on this information, the paint from the concrete pad presents a REC.

Construction debris piles were formerly located at the Subject Site. According to the Phase I ESA report prepared by CDM in 1997, TPH was detected at 332 ppm in the piles. Soil and/or groundwater may be impacted in this area. Based on this information, the former construction debris piles present a REC.

Based on the information in the Fluor Daniel GTI Phase II investigation report, there are several places within the Subject Site that are identified as having "Remedial Issues". These locations are shown on Figure 3. Additionally, Fluor Daniel GTI also identified areas of future environmental concerns outside those identified in the Phase II investigation that would be recognized after a "triggering event" (e.g., demolition onsite). Specifically, Fluor Daniel GTI identified a potential for impact to soil and groundwater that may exist beneath the petroleum AST foundations in Area 4. Based on this information,

the areas listed as having “Remedial Issues” and the subsurface of the AST foundations represent a REC at the Subject Site.

Offsite Sources of Potential Impact

The adjacent property to the west, the former Gaylord Corporation, had a release of black liquor in the mid-1980s, according to a Phase I ESA prepared by CDM dated October 1997. No information regarding the sampling of the soil and groundwater or information regarding the cleanup was available. CDM reported that the release was near the Fuel Tank Farm at Tanks 5 and 6. Based on this information, the Gaylord Corporation property presents an offsite REC.

The leach mound and former leach field at the Contra Costa Power Plant are located to the east of the Subject Site. According to CDM’s Phase I ESA, laboratory wastes were discharged to the former leach field and in-use leach mound. The Phase I ESA also indicates that groundwater flow is to the north-northwest. Any hazardous substances impacting the groundwater may impact the groundwater at the Site. Soil and groundwater sampling were not conducted in these areas. Based on the groundwater flow direction, the leach field and leach mound present offsite RECs.

The PG&E Switchyard is located south of the Subject Site. CDM documented that persons familiar with the Site knew of two OCB explosions in the switchyard that happened in 1976 and 1979 to 1981. Dielectric fluid potentially containing PCBs may have impacted the surrounding soil during these incidences. Due to shallow groundwater ranging from 6 to 10 feet bgs, the groundwater may have been impacted. Groundwater flow is to the north-northwest. The dielectric fluid potentially containing PCBs may impact the groundwater at the Subject Site. Based on this information, the PG&E Switchyard is considered an offsite REC.

7.1 RECOMMENDATIONS

URS recommends soil sampling be conducted beneath the AST foundations after tank demolition at various locations around the Tank Farm at the Subject Site to assess potential releases of Number 6 fuel oil from the tanks and associated piping.

Areas identified in the Fluor Daniel GTI Phase II report as areas having “Remedial Issues” should be appropriately addressed prior to site construction or grading activities.

URS recommends soil sampling be conducted at the locations of the former paint storage shed and construction debris pile to assess potential impact to soil in these areas.

Asbestos is located throughout the Subject Site. Based on information provided to URS, asbestos is present in the insulating materials on the conveyance piping at the Fuel Tank Farm, and possibly on the roofing materials on the storage buildings and work sheds at the Subject Site. URS recommends sampling and abatement of any asbestos prior to undertaking any demolition activities.

Painted surfaces at the Subject Site, which include the Fuel Tank Farm, and work and storage sheds, may contain lead. URS recommends testing of the paint for lead and removal of any LBP that is required under local, state, and Federal regulations prior to demolition.

An in-use septic tank was observed at the Subject Site adjacent to a circuit breaker unit south of the work sheds. URS recommends removal of the septic tank prior to redevelopment of the Subject Site provided an alternative system to handle these wastes is installed or a hook up to the city sanitary system is made possible.

8.0 REFERENCES

American Society for Testing and Materials (ASTM) 2000, "Standard Practice for Environmental Site Assessments": Phase I Environmental Site Assessment Process," ASTM Designation E1527.

Camp Dresser and McKee, (CDM) 1997. Phase I Environmental Site Assessment, Contra Costa Power Plant, Antioch, California. October 1997.

Environmental Data Resources Inc., (EDR) 2007. The EDR Radius Map with GeoCheck, Inquiry Number 2069156.2s. November 2, 2007.

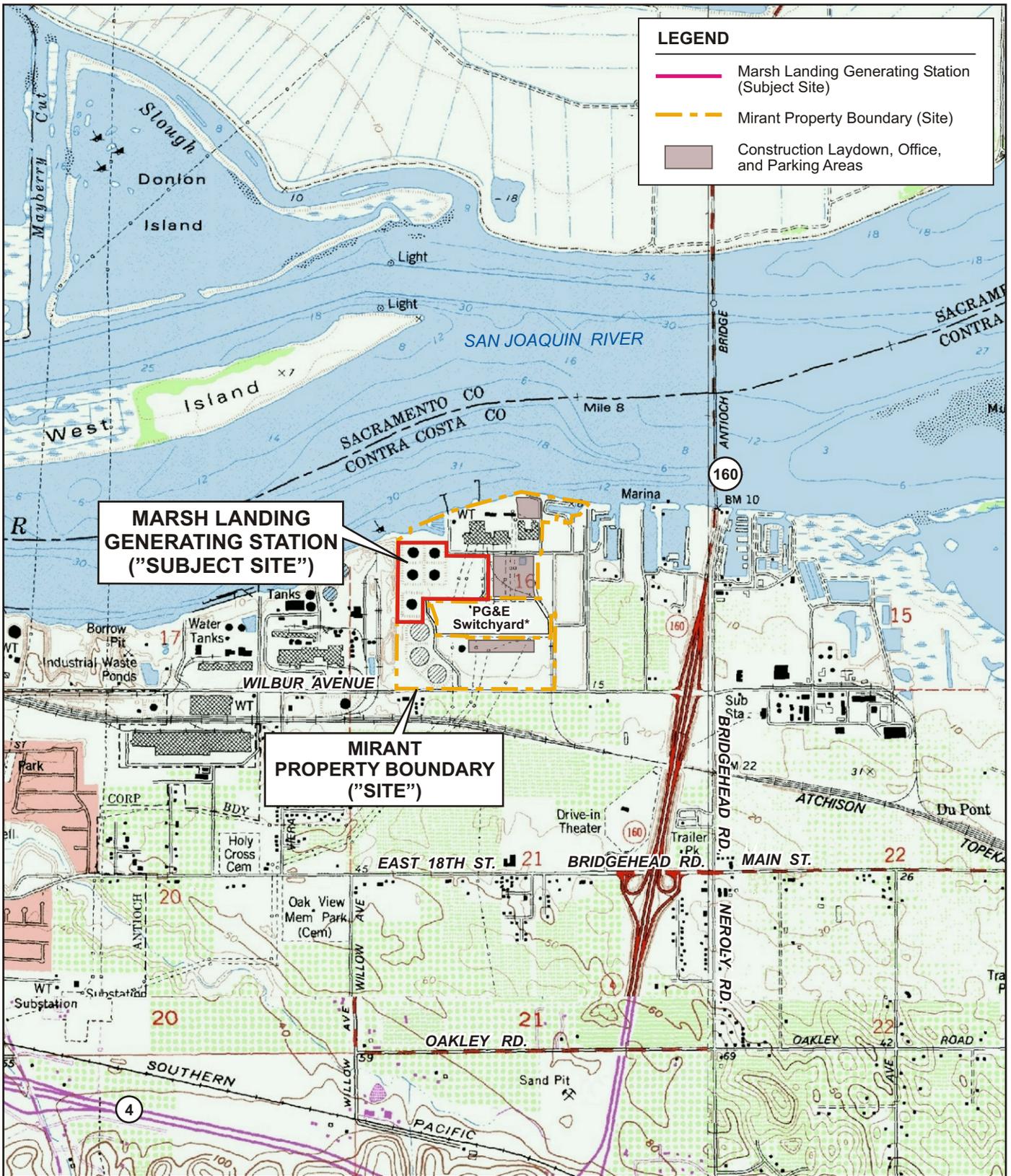
Environmental Data Resources Inc., (EDR) 2007. The EDR Radius Map with GeoCheck, Inquiry Number 2069156.2s. November 2, 2007.

Fluor Daniel GTI, (Fluor Daniel GTI) 1998. Phase II Environmental Site Assessment, Pacific Gas and Electric Company, Contra Costa Power Plant, Antioch, California.

Mirant, 2007. Storm Water Management Plan, Contra Costa Power Plant. November 30.

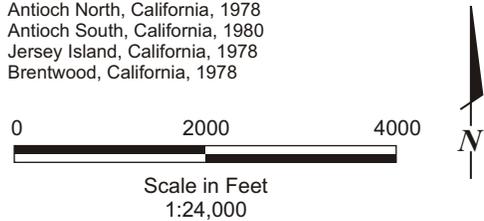
PG&E, 2007. Hazardous Materials Business Plan, Contra Costa Switchyard, Antioch, California. March 2007

Welch, Doug, 2008. Personal communication. February 29.



Source:
 USGS Topographic Maps, 7.5 Minute Series:
 Antioch North, California, 1978
 Antioch South, California, 1980
 Jersey Island, California, 1978
 Brentwood, California, 1978

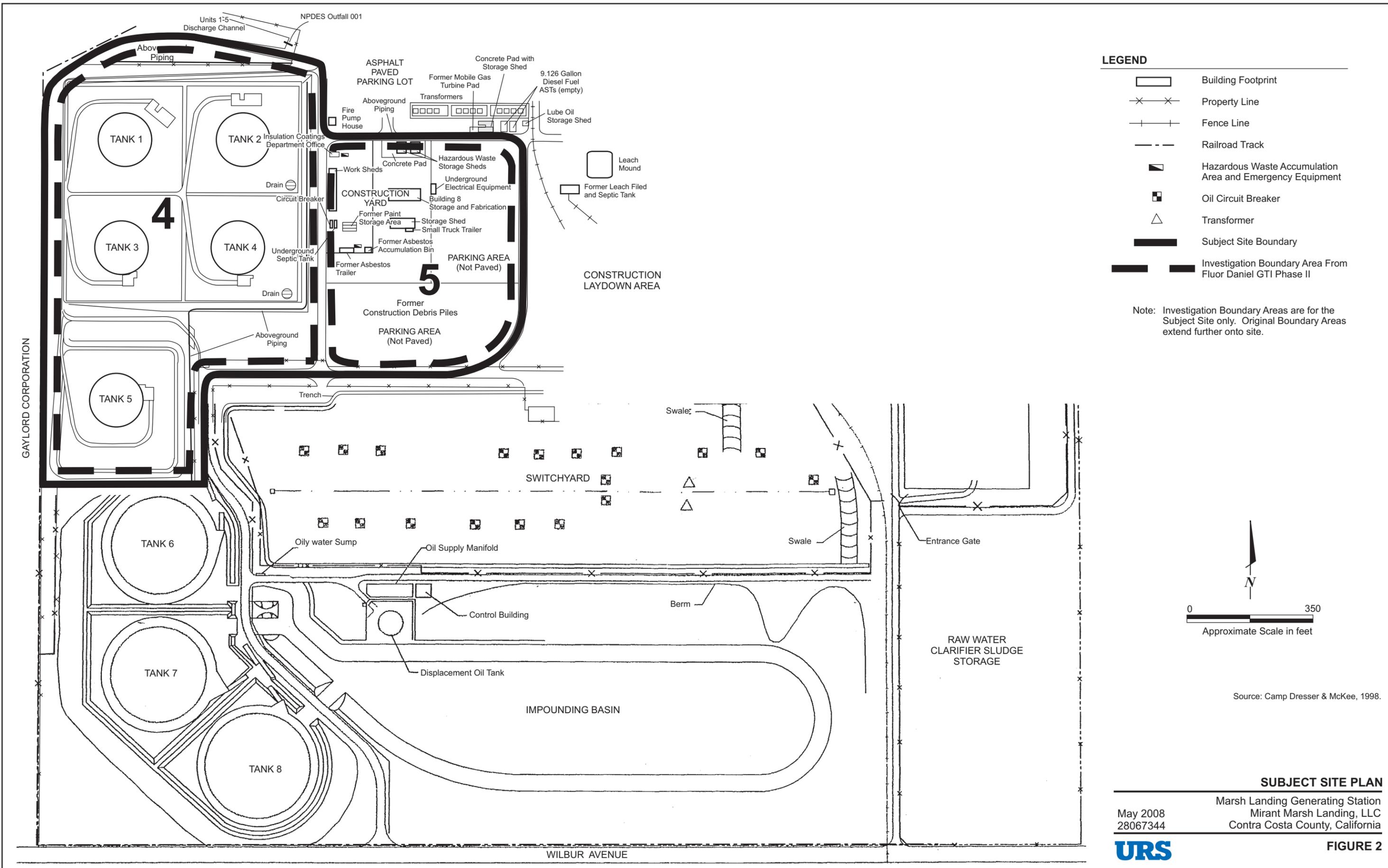
* The PG&E Switchyard and PG&E Gateway Project are not part of the Mirant Property.



PROJECT LOCATION MAP
 Marsh Landing Generating Station
 Mirant Marsh Landing, LLC
 Contra Costa County, California



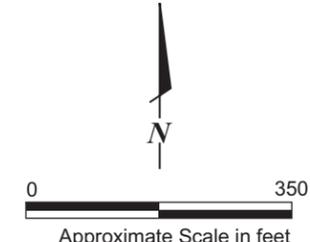
FIGURE 1



LEGEND

-  Building Footprint
-  Property Line
-  Fence Line
-  Railroad Track
-  Hazardous Waste Accumulation Area and Emergency Equipment
-  Oil Circuit Breaker
-  Transformer
-  Subject Site Boundary
-  Investigation Boundary Area From Fluor Daniel GTI Phase II

Note: Investigation Boundary Areas are for the Subject Site only. Original Boundary Areas extend further onto site.



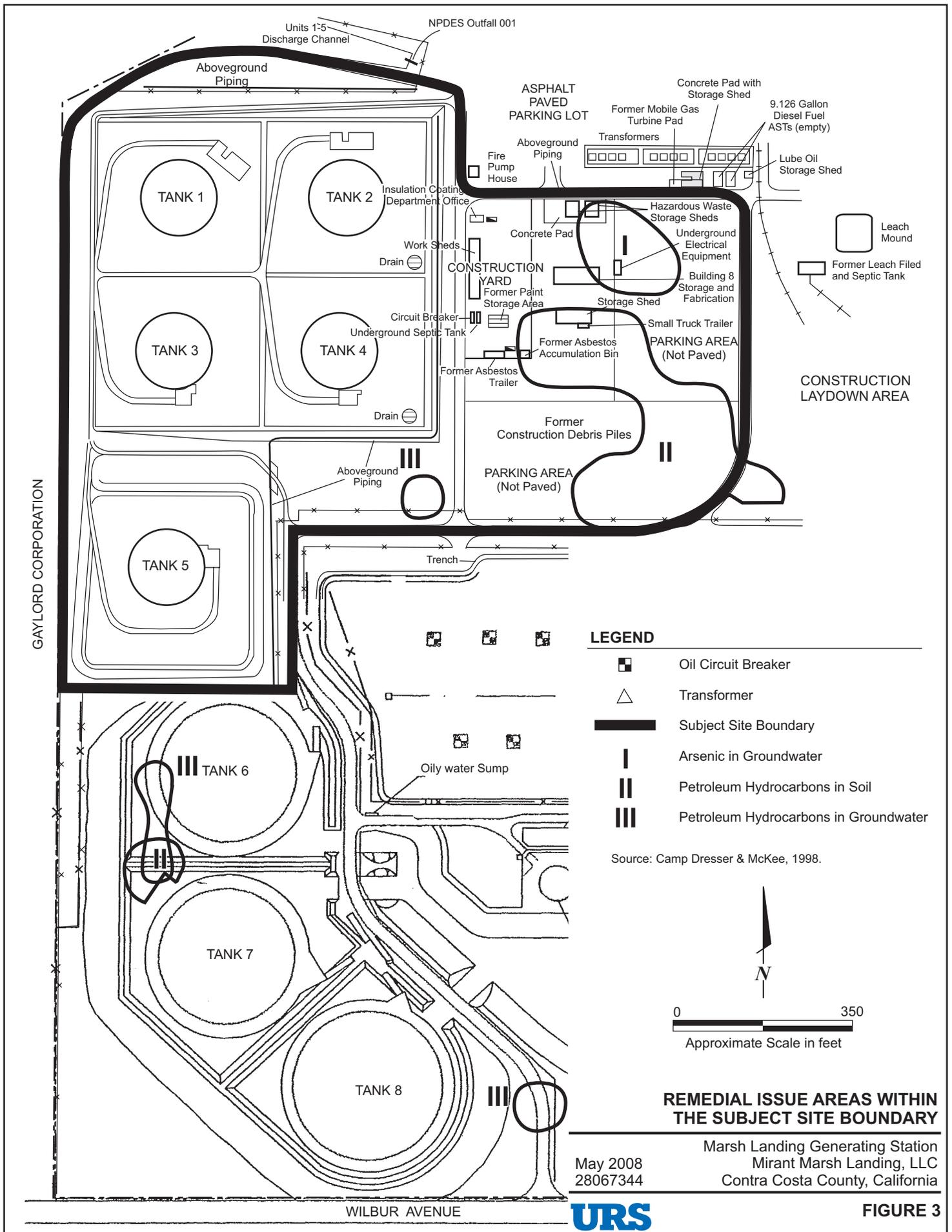
Source: Camp Dresser & McKee, 1998.

SUBJECT SITE PLAN

May 2008
28067344
Marsh Landing Generating Station
Mirant Marsh Landing, LLC
Contra Costa County, California



FIGURE 2



APPENDIX A
CURRICULA VITA



Erik Skov, P.G. C.H.G.

Hazardous Materials and Hazardous Waste

Areas of Expertise

Site Characterization and Remediation
Engineering Geology
Remedial Action Plan
Remedial Investigations at State Superfund Sites
Subsurface Soil/Groundwater Investigation Experience
Due Diligence/Auditing

Years of Experience

With URS: 19 Years
With Other Firms: 0 Years

Education

B.A./Geology/1988/Humboldt State University

Certifications

State Registered Geologist/
California/ No. 7470
California State Certified
Hydrogeologist/No. HG 892

Specialized Training

40-Hour Hazardous Waste Operations Training
8-Hour Annual Review
8-Hour Supervisors Training Course
First Aid/CPR

Overview

Mr. Skov has more than 19 years of experience providing hazardous waste management services, including subsurface investigations involving extensive soil and groundwater sampling, monitoring well design and installation, aquifer testing, data interpretation, reporting, remedial action plan preparation and implementation, and due diligence and compliance auditing. He also participates in engineering geology studies, including siting investigations for hospitals, municipal landfills, and natural gas pipelines, and provides data input for slope stability investigations.

Project-Specific Experience

Lead Reviewer, Hunters Point Naval Ship Yard Due Diligence, Lennar Homes. Lead reviewer for a major due diligence effort at the Hunters Point Naval Ship Yard. Responsibilities included reviewing existing environmental documents related to soil and groundwater contamination for Parcels A-C to assess potential liabilities associated with the presence of soil and groundwater contamination.

Independent Reviewer, Mare Island Remedial Action Plans, Weyerhaeuser Realty Investors. Responsible for a major due diligence effort at the Mare Island Naval Shipyard. Reviewed environmental documents associated with the Eastern Early Transfer Parcel (Investigation Areas A through D), including site identification memoranda, remedial investigation reports, remedial action plans. Also assessed the status of ongoing remedial work.

Independent Reviewer, Mare Island Remedial Action Plans Review, Weyerhaeuser Realty Investors. Conducted an independent review of the Mare Island Final Remedial Action Plans for Investigation Areas D1 and D2 prepared by CH2M Hill.

Team Member, OSHA and Regulatory Compliance Audit, Elan Pharmaceuticals. Team member of audit team conducting an OSHA and regulatory compliance audit for a large Elan Pharmaceuticals facility in San Francisco, California. Responsible for conducting audit of hazardous and biological waste storage and handling compliance.

Team Member, OSHA and Regulatory Compliance Audit, Stanford Linear Accelerator. Team member of audit team conducting routine OSHA and regulatory compliance audit for the Stanford Linear Accelerator facility located in Palo Alto, California. Responsible for reviewing environmental documents related to investigation and remediation activities at the site to ensure compliance with regulatory orders.



Erik Skov, P.G. C.H.G.

Team Member, Due Diligence Audits, Coal Industry Audits. Team member for an audit that conducted due diligence audits for the coal and coke industry. Has participated in audits for three coal mines and two cokeries. Responsible for evaluating and identifying soil and groundwater contamination issues related to the operation of the facilities and the associated potential liabilities associated with acquisition or divestment of the operations.

Project Manager and Technical Lead, Rincon Park Redevelopment, The GAP, Inc. Responsible for the preparation of a City and County of San Francisco Article 22 A study and development and implementation of a Site Mitigation Plan for the redevelopment of a former Port of San Francisco property into a public park along the Embarcadero Roadway in San Francisco.

Principal Technical Lead and Project Manager, Due Diligence, Multiple Clients. Managed a major due diligence associated with a divestiture of 31 properties in the Bay Area. The properties were mainly medical and bio-medical research facilities located in Silicon Valley. The scope of work included conducting ASTM compliant Phase I Environmental Site Assessments for each of the properties in a short seven week time period.

Project Manager and Technical Lead, Pharmaceutical Manufacturing Plant Remedial Action Plan, International Division of Merck. Project involved the excavation and bioremediation of 10,000 m³ of soil contaminated with dichlorobenzenes at a manufacturing plant in Sydney, Australia. Oversaw field activities, QA/QC of field validation sampling and laboratory analytical results, managed and updated budgets and schedules, monthly cost tracking, data review and interpretation, client contact, and interaction with New South Wales Environment Protection Authority and local Council.

Task Leader, Colusa County Power Plant Project Application for Certification and Permitting, Mirant Corporation. Lead the data collection and preparation of the Waste Handling section of an Application for Certification, a CEQA compliant document, for a 500 MW gas-fired combined-cycle generation facility in Colusa County. Responsibilities included identifying and quantifying potential waste streams associated with the construction and operation of the power plant, determining the applicable Laws, Ordinances, Regulations, and Standards governing waste generated at the facility, and evaluating the potential impacts and mitigation measures to be implemented during construction and management activities.

Task Leader, San Gabriel Generating Station Power Plant Project Application for Certification and Permitting, Mirant Corporation. Lead the data collection and preparation of the Waste Handling section of an Application for Certification, a CEQA compliant document, for a nominal 850 MW gas-fired combined-cycle generation facility in San Bernardino County. Responsibilities included identifying and quantifying



Erik Skov, P.G. C.H.G.

potential waste streams associated with the construction and operation of the power plant, determining the applicable Laws, Ordinances, Regulations, and Standards governing waste generated at the facility, and evaluating the potential impacts and mitigation measures to be implemented during construction and management activities.

Task Leader, Colusa County Power Plant Project Application for Certification and Permitting, Mirant Corporation. Managed the data collection and preparation of the Waste Handling section of an Application for Certification for a 500 MW gas-fired combined-cycle generation facility in Colusa County. Responsibilities included identifying and quantifying potential waste streams associated with the construction and operation of the power plant, determining the applicable Laws, Ordinances, Regulations, and Standards governing waste generated at the facility, and evaluating the potential impacts and mitigation measures to be implemented during construction and management activities.

Project Manager, Facility Closure, Crown Cork & Seal Company. Managed work for closure of two facilities - a two-piece beverage can manufacturing (wet operation) facility, and a sanitary food can (dry operation) facility. The wet operation used atomized petroleum and synthetic hydrocarbons for cooling and lubrication. Work included preparation of a Facility Closure Plan, including compilation of an operation history of the facility; decontamination of the building interior, decontamination and removal of excess equipment, and reuse or disposal of all hazardous materials and hazardous wastes at the site. Prepared a Post-Closure Report. For the dry operation, prepared a Facility Closure Plan which included abatement of asbestos from drying ovens. Prepared a Post Closure Report for the removal of the ovens, equipment, and hazardous waste and materials. The data from the facility closure investigation was used to conduct an impact assessment and prepare a Remedial Action Plan.

Analyst, Superfund Sites Remedial Investigations, Cal-EPA Department of Toxic Substances Control. Conducted remedial investigations for several Superfund sites in California. Work included extensive soil and groundwater sampling, monitoring well installation, aquifer testing, data reduction and interpretation, and report preparation.

Project Manager and Task Leader, Richmond Parkway Project, City of Richmond. Responsible for technical work to address environmental issues along the Parkway alignment. Developed the scope for environmental sampling, generated schedules and budgets, tracked monthly project costs, managed project staff and equipment, reviewed and interpreted data, prepared reports, and interacted with regulatory agencies.

Project Manager and Technical Lead, Site Characterization, ICI Paints. Managed site characterization of a former paint manufacturing facility. Prepared an investigation work plan for regulatory agency approval, formulated a remedial strategy, and developed site mitigation



Erik Skov, P.G. C.H.G.

plan. Subsequent to approval of the site mitigation plan, developed a detailed design for construction of a clean fill cap and issued bid package to potential construction contractors.

Project Manager, Automobile Manufacturing Plant Site Remediation, Ford Motor Company. Responsibilities included oversight of field excavation and remediation activities on a site in Australia containing soils contaminated with hydrocarbons. Performed QA/QC of excavation, soil remediation, validation sampling, and laboratory results. Reviewed and interpreted data. Monitored project costs. Interfaced with regulatory agencies in New South Wales.

Technical Support, Potrero Power Plant Applications for Certification and Permitting, Mirant Corporation. Provided technical support in the areas of waste management, hazardous materials generation and handling, site investigation, and compliance with local regulatory standards for a 540 MW natural-gas-fired combined-cycle plant located in San Francisco.

Team Member and Technical Lead, EIS, U.S./Australian Energy Consortium. Lead a project team preparing an EIS for the construction of a gas-fired cogeneration plant on a hazardous waste site in Botany, New South Wales. Responsible for the evaluation and preparation of the geology, hydrogeology, and environmental construction management and mitigation section of the EIS. Issues included the impact of the power plant construction on the distribution of subsurface contamination and the mitigation measures to be implemented to address the impacts. Subsequent to the submission of the EIS, presented with a panel of other experts at a Commission of Inquiry called by the Minister for Urban Development, in support of the Development Application for the construction of the cogeneration plant.

Project Manager, Sydney Harbor Casino, Leighton Contractors. Environmental surveillance project for a major excavation, at a former coal-fired power station, for construction of the casino. Responsible for coordination of onsite environmental surveillance and monitoring activities, liaison with construction managers, subcontractors, third party consultants and regulatory agencies. Developed recommendations for waste handling and disposal to minimize potential impacts to schedule, preparation of reports detailing results of monitoring and surveillance activities and participation in monthly environmental management meetings with contractors and state and local regulatory agencies.

Senior Geologist, George's River Pipeline Project, Australian Gas and Light Company. Conducted a geologic investigation for the siting and installation of a natural gas pipeline beneath the George's River in Sydney, New South Wales. The study was conducted to determine if any of the structural features present in the rock formation would inhibit the use of directional drilling techniques.



Erik Skov, P.G. C.H.G.

Task Manager, Refinery Sediment Sampling Program, Tosco Avon.

Managed a sediment sampling program to support the Human Health and Ecological Risk Assessment for this refinery located in Martinez, California. Tasks included interfacing with the ecological risk assessor to identify sampling locations at appropriate areas based on initial environmental data, planning sampling activities, and supervising and participating in the sampling effort under the oversight of the U.S. Environmental Protection Agency.

Technical Lead, Port Costa Refinery, ChevronTexaco.

Conducted a data compilation and review of existing data at a former port oil terminal to evaluate current site conditions and plan additional characterization work to develop an exit strategy. The former Port Costa oil storage and shipping terminal included above ground storage tanks, a wharf, a railcar loading rack and a drainage pond. Petroleum hydrocarbons were observed discharging into the Carquinez Strait from a stormwater culvert, prompting the U.S. Environmental Protection Agency to issue a Unilateral Order.

Task Manager and Lead Geologist, Chevron Pascagoula Refinery.

Updated the geologic site model for the refinery for inclusion in the site-wide RFI for the refinery. Data from all previous geotechnical and environmental site investigations, along with current RFI investigations, were combined to develop the updated geologic site model.

Publications

Contributing Author, Feature Article – Construction of the Sydney Harbor Casino, Australian Construction & Engineering Review, 1st Quarterly Publication, 1998.

G.W. Nyland, M.G. Hayter and E. Skov, “Contamination Investigations in Western Sydney – Examples of the Need to Look a Little Deeper,” in *Collected Case Studies in Engineering Geology, Hydrogeology and Environmental Geology, Third Series*, Geological Society of Australia, Environmental Engineering and Hydrogeology Specialist Group.



Katherine L. Brady, REA

Senior Environmental Scientist

Overview

Ms. Brady has 7 years of proven site investigation, remedial investigation and remedial action, and regulatory experience. She has more than two years experience with underground storage tank closures. She also has more than three years experience with treatment works approvals (TWA), air and stormwater permitting. She has extensive experience in site investigation and remediation for Cal-EPA DTSC, New Jersey Department of Environmental Protection Site Remediation and private sites under RCRA, state and local regulations. Her project experience includes the investigation of numerous contaminated soil, surface water, and groundwater sites, where she has performed soil and groundwater sampling, reporting, remediation, and regulatory activities. She has constructively interacted with groups of state and Federal regulators, attorneys, realtors and private stakeholders. Finally, her research experience and computer software knowledge have enabled her to increase project efficiency and accuracy.

Areas of Expertise

Environmental Investigation and Remediation

Years of Experience

With URS: 2 Years

With Other Firms: 5 Years

Education

Master of Science, Environmental Sciences, 1999, Southern Illinois University

Bachelor of Arts, Biology, 1994, Ripon College

Registration/Certification

2007, Registered Environmental Assessor, California #08165

2007, Subsurface Evaluator, New Jersey #023486

Project Specific Experience

Highgrove Generating Project

Project Manager, Highgrove Generating Power Plant Closure, Highgrove, California, Cal EPA DTSC and AES, MOA, May 2006 to October 2006, \$60,000: Performed an enhanced phase I environmental site assessment for the site. She prepared a Current Conditions Report/RCRA Facility Assessment (CCR/RFA) report for the DTSC and the AES Company. She managed the budget and presented a comprehensive overview of the site and its issues concerning hazardous waste. Because the DTSC had not presented a format for this type of report, this report was also presented as a template for future reports for similar sites. The report was submitted to the DTSC as of October 2006.

Los Angeles Unified School District Project

Project Environmental Scientist, LAUSD project, Los Angeles County, LAUSD, MOA, December 2005 to February 2006, \$100,000: Prepared a Preliminary Endangerment Assessment Report for a proposed school site within Los Angeles County.

Harrison Redevelopment Project

Project Manager, Harrison Redevelopment Project, Harrison, New Jersey, confidential clients, MOA with NJDEP, 2002-2005, \$850,000: Prepared several site and remedial investigation reports for the state and clients. Coordinated with subcontractors and organized teams for soil and groundwater sampling events. She also performed soil and groundwater field investigations. A budget was prepared for remedial action for the clients.



Katherine Brady, REA

Meadowlands Redevelopment Project

Environmental Scientist, Meadowlands Redevelopment Project (Xanadu), State of New Jersey and various private clients, MOA, 2002 to present, \$2 million: Prepared environmental/ecological assessments and field sampling for the area surrounding the site to assess the potential ecological effects of the proposed new buildings, stormwater outfalls and parking areas.

Unilever Edgewater

Project Manager, Environmental Liability Transfer, Edgewater, New Jersey, Unilever, MOA with state of New Jersey, 2002 to 2005: Prepared project budget, selected subcontractors for soil collection and groundwater monitoring well installations, organized team to perform soil and groundwater field investigations, prepared a preliminary site assessment and several site investigation reports for the state of New Jersey and the client prior to the sale of the property. All liability regarding environmental issues was transferred to the new owner. Property value was at \$18 million. Property was sold at \$23 million.

Hertz Corporation Storage Tank Compliance

Project Manager, Storage Tank Compliance, Park Ridge, New Jersey, Hertz Corporation, subcontractor services, 2002 to 2005: Hertz Corporation's various sites throughout the United States and Puerto Rico were monitored for state compliance and underground and aboveground storage tank issues. Selected subcontractors for tank repairs and removals. Monitored daily use records for their aboveground and underground storage tanks. Coordinated with site managers for each location regarding any tank issues.

Revlon, East Brunswick Project

Project Scientist/Project Manager, Groundwater remedial action project, East Brunswick, New Jersey, Vornado Realty, MOA with state of New Jersey, 2004 to 2005: Prepared project budget, selected subcontractors for groundwater monitoring well installations and proposed new groundwater treatment system, organized team to perform groundwater field investigations, prepared a remedial action workplan, budget, treatment works approval, New Jersey Pollution Discharge Elimination System Permit and an air permit for the state of New Jersey and the client. The new groundwater treatment system was installed prior to the building of a Lowe's Home Center above it.

New Jersey UST Closure Project

Project Scientist/Environmental Scientist, UST Closure Project, various state owned sites, New Jersey, New Jersey Department of Treasury, MOA with state of New Jersey, 2000 to 2002: Performed site investigations and field oversight of subcontractors. Performed soil and groundwater field investigations including field documentation of underground storage tank uncovering, cleaning, removal and backfilling. Prepared underground storage tank closure reports for each state facility. Prepared Spill Prevention, Control and Countermeasure Plans for each



Katherine Brady, REA

state facility. Coordinated with a project engineer to prepare locations and drawings for proposed aboveground storage tanks at each facility.

Professional Societies/Affiliates

Women's Environmental Council and Society of Wetland Scientists

Languages

Italian

Specialized Training

Technical Writing Course, 2005; First Aid and CPR training last updated 2004; AutoCad training, 2005; Executive Communications course, 2004, Traffic Engineering Seminar, 2003; Stormwater Management Seminar, 2003; Management of Contaminated Soils Seminar, 2002, Preliminary Assessments Seminar 2002, Tank Closure and Subsurface Evaluator Certification, 2001, 2003; HAZWOPER training last updated 2006

Publications

Phosphorus and Silica Recycling in Cougar Lake, a Small Illinois Reservoir, Journal of Freshwater Ecology, Volume 17, Number 1, March 2002

Chronology

Terracon, 05/2006 – 10/2006; Converse Consultants, 08/2005 – 04/2006; Langan Engineering and Environmental Services, Inc., 09/2002 – 07/2005; URS Corporation, 09/2000 – 09/2002; Natural Resource Services, 02/2000 – 06/2000

Contact Information

Katherine Brady
Senior Environmental Scientist
URS Corporation
221 Main Street, Suite 600
San Francisco, California 94105-1917
Tel: 415-896-5858
Direct: 415-243-3815
Fax: 415-882-9261

**APPENDIX B
PHOTOGRAPHS**

Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344

Date: 12/04/07

Photo No.

1

Direction Photo Taken:

East

Description:

Roadway running in front of Units 1 through 7 on the Site. Units 1 through 5 are retired.



Photo No.

2

Direction Photo Taken:

East

Description:

Formerly used pipeline to supply Number 6 fuel oil to power plant. Natural gas now supplies power plant units 6 & 7 through a different pipeline. Pipeline runs along the border of the Site (to the left in the photo) and Subject Site (to the right in the photo) in this area.



Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344

Date: 12/04/07

Photo No.
3

Direction Photo
Taken:

Northeast

Description:

Insulation and Coatings (I & C) Department Office and Construction Yard are shown in the middle of the photo. Snow fencing borders parking area formerly used for construction debris storage. Retired Units 1 through 5 are in the background.



Photo No.
4

Direction Photo
Taken:

Northeast

Description:

Electrical panel in the
Subject Site area.



Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344

Date: 12/04/07

Photo No.
5

Direction Photo
Taken:

Southeast

Description:

Septic system located on the east side of the electrical panel shown in Photo 4. The septic system is still in use servicing buildings in the Subject Site.



Photo No.
6

Direction Photo
Taken:

North northeast

Description:

Emergency eyewash station and firehouse to the left. Hazardous waste storage shed to the right. These structures are located along the northern boundary of the Subject Site.



Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344

Date: 12/04/07

Photo No.
7

Direction Photo
Taken:

North northeast

Description:

Cracked concrete adjacent to eyewash and firehouse in Photo 7 above. Area appears to have been used to paint items.



Photo No.
8

Direction Photo
Taken:

Southwest

Description:

Storage building in Subject Site area containing various equipment and tools



Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344

Date: 12/04/07

Photo No.
9

Direction Photo
Taken:

East

Description:

View inside storage
building shown in Photo 8
above.



Photo No.
10

Direction Photo
Taken:

Southeast

Description:

Parking area south of AST
No 4. PG&E Switchyard
is shown in background.



Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344

Date: 12/04/07

Photo No.
11

Direction Photo
Taken:

South

Description:

Roadway, which runs
along eastern side of the
Tank Farm in the Subject
Site area.



Photo No.
12

Direction Photo
Taken:

North

Description:

Work sheds located east
of the Tank Farm in the
Subject Site area.



Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344

Date: 12/04/07

Photo No.
13

Direction Photo
Taken:

East Southeast

Description:

Parking area east of the
Tank Farm



Photo No.
14

Direction Photo
Taken:

West

Description:

Drainage adjacent to
berms surrounding Tank
Farm. Photo is taken
along the northern
boundary of the Subject
Site area.



Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344

Date: 12/04/07

Photo No.
15

Direction Photo
Taken:

East

Description:

Drainage adjacent to north side of Tank Farm near ASTs 1 and 2 in the Subject Site area.



Photo No.
16

Direction Photo
Taken:

South

Description:

Tank Farm. Photo shows berm running between ASTs 1 & 3 on the right and 2 & 4 on the left.



Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344

Date: 12/04/07

Photo No.
17

Direction Photo
Taken:

South southeast

Description:

Area between berm and
AST Tank #2.



Photo No.
18

Direction Photo
Taken:

Southwest

Description:

Former processing area of
Number 6 fuel oil. Oil
requires heating prior to
pumping through pipeline
for use.



Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344

Date: 12/04/07

Photo No.
19

Direction Photo
Taken:

South

Description:

Looking at Tank Farm to the east and the Gaylord Container site boundary to the west. Photo taken from the northwest corner of the Subject Site.



Photo No.
20

Direction Photo
Taken:

Northeast

Description:

NPDES Outfall 001 located near center of photograph. Pipe discharges to San Joaquin River.



Mirant California, LLC

**Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California**

URS Project No. 28067344

Date: 12/04/07

**Photo No.
21**

Direction Photo Taken:

North

Description:

Former demineralization waste pond, oil water treatment system pond and oil water separator located on the Site to the northeast of the Subject Site.



**Photo No.
22**

Direction Photo Taken:

Southeast

Description:

Former leach mound located south of Units 4 and 5 and south of the roadway on the Site.





PHOTOGRAPHIC LOG

Mirant California, LLC

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California

URS Project No. 28067344
Date: 12/04/07

Photo No.

22

Direction Photo Taken:

Northeast

Description:

Formerly used diesel ASTs located south of Units 1, 2 and 3 on the Site.



APPENDIX C
EDR REPORT



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, CA 94509**

Inquiry Number: 2069156.2s

November 02, 2007

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	107
EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-19

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

3201 WILBUR AVENUE
ANTIOCH, CA 94509

COORDINATES

Latitude (North): 38.015500 - 38° 0' 55.8"
Longitude (West): 121.763500 - 121° 45' 48.6"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 608543.3
UTM Y (Meters): 4208050.5
Elevation: 10 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38121-A7 ANTIOCH NORTH, CA
Most Recent Revision: 1978

East Map: 38121-A6 JERSEY ISLAND, CA
Most Recent Revision: 1978

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
3201 WILBUR AVENUE 3201 WILBUR AVENUE ANTIOCH, CA 94509	ERNS	N/A
PG&E CONTRA COSTA SWITCHYARD 3201 WILBUR AVE #B ANTIOCH, CA	CONTRA COSTA CO. SITE LIST	N/A
MIRANT DELTA, LLC CONTRA COSTA PO 3201 WILBUR AVE #A ANTIOCH, CA	CONTRA COSTA CO. SITE LIST	N/A
3201 WILBUR AVE 3201 WILBUR AVE ANTIOCH, CA 94509	ERNS	N/A

EXECUTIVE SUMMARY

RESTEC CONTRACTORS, INC. 3201 WILBUR AVE ANTIOCH, CA 94509	FINDS FTTS HIST FTTS	110020509145
MIRANT DELTA, LLC 3201 WILBUR AVENUE ANTIOCH, CA 94509	FINDS HAZNET	110019003790
PERFORMANCE ABATEMENT SERVICES OF 3201 WILBUR AVE ANTIOCH, CA 94509	FINDS FTTS HIST FTTS	110020509136
3201 WILBUR AVE 3201 WILBUR AVE ANTIOCH, CA 94509	ERNS	N/A
3201 WILBUR AVE. 3201 WILBUR AVE. ANTIOCH, CA 94509	CHMIRS	N/A
PACIFIC GAS & ELECTRIC/CONTRA COS 3201 WILBUR AVENUE ANTIOCH, CA 94509	HAZNET EMI	N/A
3201 WILBUR AVE 3201 WILBUR AVE ANTIOCH, CA 0	ERNS	N/A
CONTRA COSTA POWER PLANT 3201 WILBUR AVE ANTIOCH, CA 94509	RCRA-LQG RCRA-TSDF RAATS CORRACTS AST CERC-NFRAP CA WDS	CAT080011489
3201 WILBUR AVE CONTRA COSTA POWE 3201 WILBUR AVE CONTRA COSTA POWER PLANT ANTIOCH, CA 94509	CHMIRS	N/A
BAYVIEW ENVI. SCVS.(CONTRA COSTA 3201 WILBUR AVE ANTIOCH, CA 94509	FTTS HIST FTTS	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

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

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL LIENS	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
DOT OPS	Incident and Accident Data
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ICIS	Integrated Compliance Information System
LUCIS	Land Use Control Information System
US CDL	Clandestine Drug Labs
RADINFO	Radiation Information Database
LIENS 2	CERCLA Lien Information
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File

STATE AND LOCAL RECORDS

HIST Cal-Sites	Historical Calsites Database
CA BOND EXP. PLAN	Bond Expenditure Plan
SCH	School Property Evaluation Program
SWF/LF	Solid Waste Information System
SWRCY	Recycler Database
CA FID UST	Facility Inventory Database
HIST UST	Hazardous Substance Storage Container Database
LIENS	Environmental Liens Listing
SWEEPS UST	SWEEPS UST Listing
Notify 65	Proposition 65 Records
DEED	Deed Restriction Listing
CLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
CDL	Clandestine Drug Labs
RESPONSE	State Response Sites

EXECUTIVE SUMMARY

HAULERS..... Registered Waste Tire Haulers Listing

TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
INDIAN UST..... Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

FEDERAL RECORDS

CERCLIS-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 06/21/2007 has revealed that there are 2 CERC-NFRAP sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>GAYLORD CONTAINER CORPORATION</i>	<i>2301 WILBUR AVENUE</i>	<i>1/2 - 1 WSW E30</i>		<i>45</i>
<i>E. I. DUPONT DE NEMOURS & CO</i>	<i>6000 BRIDGEHEAD RD</i>	<i>1/2 - 1 ESE F34</i>		<i>59</i>

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/26/2007 has revealed that there is 1 CORRACTS site within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>E. I. DUPONT DE NEMOURS & CO</i>	<i>6000 BRIDGEHEAD RD</i>	<i>1/2 - 1 ESE F34</i>		<i>59</i>

EXECUTIVE SUMMARY

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-TSDF site within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>E. I. DUPONT DE NEMOURS & CO</i>	<i>6000 BRIDGEHEAD RD</i>	<i>1/2 - 1 ESE</i>	<i>F34</i>	<i>59</i>

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-SQG site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>LOUISIANA PACIFIC CORP SAN JOA</i>	<i>EAST WILBUR AVE</i>	<i>1/4 - 1/2 WSW</i>	<i>C19</i>	<i>24</i>

STATE AND LOCAL RECORDS

TOXIC PITS: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there are 2 Toxic Pits sites within approximately 1.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>IMPERIAL WEST, ANTIOCH PLANT</i> Closure Date: 01/16/92	<i>1701 WILBUR AVENUE</i>	<i>1/2 - 1 WSW</i>	<i>42</i>	<i>99</i>
<i>PG&E, CONTRA COSTA POWER PLANT</i> Closure Date: 12/05/88	<i>1456 WILBUR AVENUE</i>	<i>1 - 2 WSW</i>	<i>44</i>	<i>104</i>

EXECUTIVE SUMMARY

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, and dated 04/01/2000 has revealed that there are 2 WMUDS/SWAT sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PIONEER AMERICAS, ANTIOCH PLAN	2151 WILBUR AVE	1/2 - 1 WSW 35		79
E.I. DUPONI DE NEMOURS & CO.	6000 BRIDGEHEAD RD	1/2 - 1 ESE F36		84

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, and dated 04/01/2001 has revealed that there are 6 Cortese sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ANTIOCH PAVING COMPANY	2540 WILBUR AVE	1/2 - 1 WSW 28		42
MILITARY FAMILY HOUSING	2300 WILBUR	1/2 - 1 WSW E29		45
NEW BRIDGE MARINA	6325 BRIDGEHEAD RD	1/2 - 1 E 32		54
LAURITZEN YACHT HARBOR	RTE 1	1/2 - 1 SW 33		56
E.I. DUPONT DE NEMOURS & CO.	6000 BRIDGEHEAD RD	1/2 - 1 ESE F37		89
PECKHAM PROPERTY	3215 18TH ST E	1/2 - 1 S 41		98

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

A review of the LUST list, as provided by EDR, and dated 07/10/2007 has revealed that there are 5 LUST sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ANTIOCH PAVING COMPANY Facility Status: Case Closed	2540 WILBUR AVE	1/2 - 1 WSW 28		42
NEW BRIDGE MARINA Facility Status: Remediation Plan	6325 BRIDGEHEAD RD	1/2 - 1 E 32		54
LAURITZEN YACHT HARBOR Facility Status: Case Closed Facility Status: Case Closed	RTE 1	1/2 - 1 SW 33		56
E.I. DUPONT DE NEMOURS & CO. Facility Status: Remedial action (cleanup) Underway	6000 BRIDGEHEAD RD	1/2 - 1 ESE F37		89
PECKHAM PROPERTY Facility Status: Case Closed	3215 18TH ST E	1/2 - 1 S 41		98

EXECUTIVE SUMMARY

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the SLIC list, as provided by EDR, and dated 08/03/2007 has revealed that there are 3 SLIC sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PIONEER AMERICAS, ANTIOCH PLAN Facility Status: Remediation Plan	2151 WILBUR AVE	1/2 - 1 WSW	35	79
DUPONT CHEMICAL CO., ANTIOCH W Facility Status: Remediation Plan	6000 BRIDGEHEAD ROAD	1/2 - 1 ESE	F38	92
DUPONT CHEMICAL CO., ANTIOCH W	6000 BRIDGEHEAD RD	1/2 - 1 ESE	F39	93

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

A review of the UST list, as provided by EDR, and dated 10/10/2007 has revealed that there is 1 UST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SAN JOAQUIN YACHT HARBOR	3307 WILBUR AVE	1/4 - 1/2 ESE	B18	23

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 09/17/2007 has revealed that there is 1 AST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
WILBUR EAST POWER PLANT	3400 WILBUR AVE.	1/4 - 1/2 ESE	D26	36

SL: Lists includes sites from the Underground Tank Program, Hazardous Waste Generator Program & Business Plan 12185 Program

A review of the CONTRA COSTA CO. SITE LIST list, as provided by EDR, and dated 09/11/2007 has revealed that there are 9 CONTRA COSTA CO. SITE LIST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DNG TRANSPORTATION	3000 WILBUR AVE	1/4 - 1/2 SW	15	22
PG&E GATEWAY GENERATING STATIO	3225 WILBUR AVE	1/4 - 1/2 SE	16	22
RIVER MARINE REPAIR	450 FLEMING LN	1/4 - 1/2 ESE	B17	23
SAN JOAQUIN YACHT HARBOR	3307 WILBUR AVE	1/4 - 1/2 ESE	B18	23
F T G CONSTRUCTION MATERIALS,	3500 WILBUR AVE	1/4 - 1/2 ESE	D23	35
RAMROCK LEASING & EQUIPMENT CO	3500 WILBUR AVE	1/4 - 1/2 ESE	D24	35
EAST BAY WELDING SUPPLY, INC	3500 WILBUR AVE #D	1/4 - 1/2 ESE	D25	36
GWF POWER SYSTEMS LP	3400 WILBUR AVENUE	1/4 - 1/2 ESE	D27	36
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BRIDGEHEAD DRY DOCK INC.	30 FLEMING LN	1/4 - 1/2 NE	22	34

EXECUTIVE SUMMARY

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

A review of the VCP list, as provided by EDR, and dated 08/28/2007 has revealed that there are 3 VCP sites within approximately 0.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
EAST MILL	2603 WILBUR AVENUE	1/4 - 1/2 WSW C20		24
INDUSTRIAL LOT WITH RAILROAD S	2600 WILBUR AVENUE	1/4 - 1/2 WSW C21		31
WEST MILL	2301 WILBUR AVENUE	1/2 - 1 WSW E31		50

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 08/28/2007 has revealed that there are 6 ENVIROSTOR sites within approximately 1.25 miles of the target property.

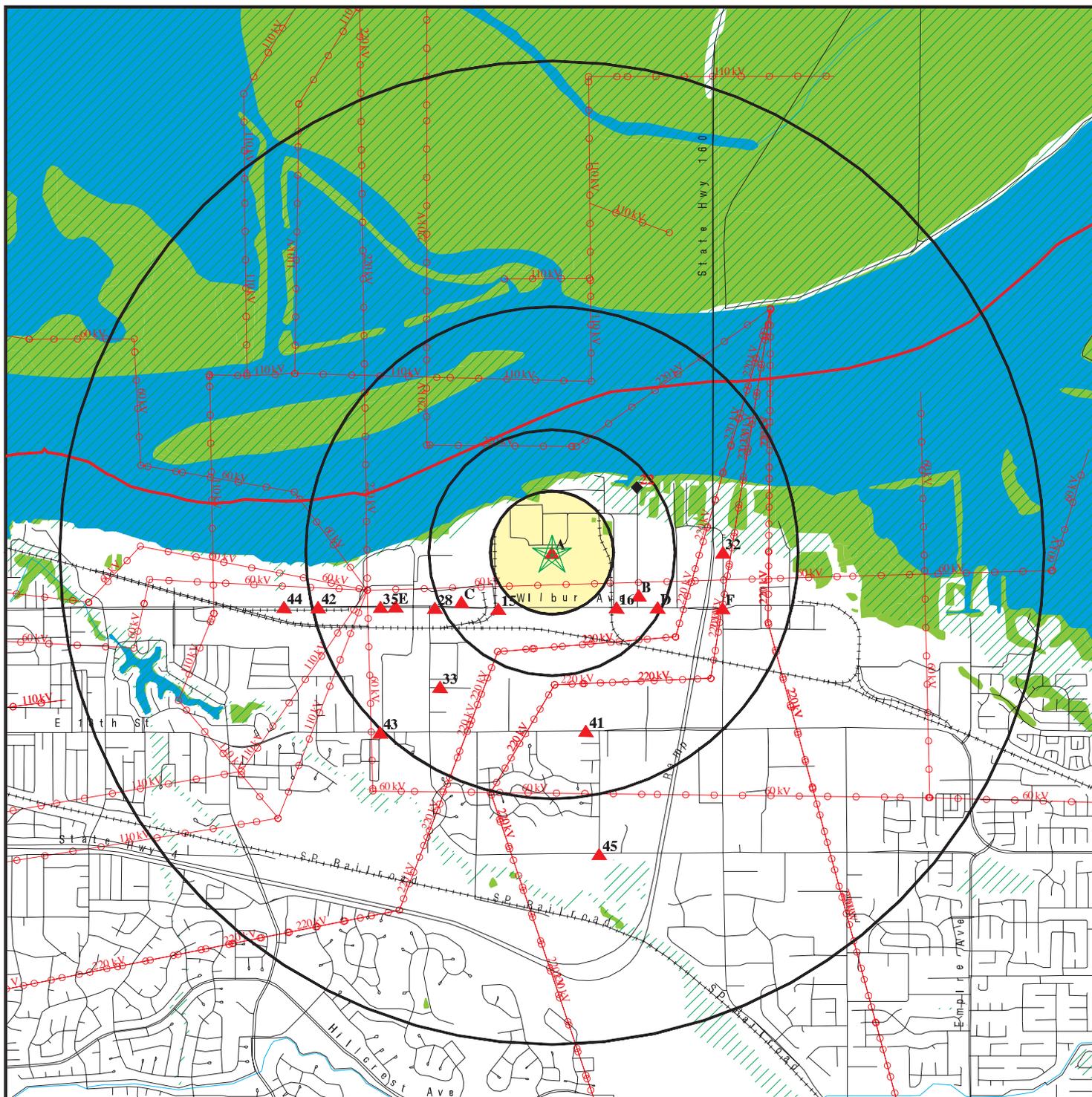
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
EAST MILL Facility Status: Active	2603 WILBUR AVENUE	1/4 - 1/2 WSW C20		24
INDUSTRIAL LOT WITH RAILROAD S Facility Status: Certified	2600 WILBUR AVENUE	1/4 - 1/2 WSW C21		31
WEST MILL Facility Status: Active	2301 WILBUR AVENUE	1/2 - 1 WSW E31		50
DUPONT DE NEMOURS & CO INC Facility Status: Refer: RCRA	6000 BRIDGEHEAD ROAD	1/2 - 1 ESE	F40	96
ALMOND ORCHARD Facility Status: Certified	2101 E. 18TH STREET	1 - 2 SW	43	100
OAKLEY ROAD METERING SITE Facility Status: Refer: RWQCB	OAKLEY RD. / PHILLIPS	1 - 2 S	45	106

EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
SHERMAN ISL. DEHYDRATOR-ODORAN	SWEEPS UST
LLOYD'S HOLIDAY HARBOR	SWEEPS UST
RIO VISTA SER CNTR	LUST, CHMIRS, Cortese
RIO VISTA CHEVRON	HAZNET, LUST, Cortese
MORENO TRENCHING, LTD	HAZNET, LUST, Cortese
FOOD & LIQUOR #89	HAZNET, LUST, Cortese
RIO VISTA MAINTENANCE STATION	LUST
THE TRAP	HAZNET, LUST
CAL TRANS - STEAMBOAT FERRY	LUST
INDUSTRIAL LOT WITH TANK	VCP, ENVIROSTOR
FIBREBOARD CORPORATION	HIST UST
SHERMAN ISL. DEHYDRATOR-ODORAN	HIST UST
CONTRA COSTA SUBSTATION	AST
CHEVRON 93801	HAZNET
PG&E ANTIOCH MAINT STATION	HAZNET
MAURICE LODGE	HAZNET
CALIFORNIA ORGANICS	RCRA-SQG, FINDS
PG&E GAS DEHYDRATOR STATION, RIO V	SLIC
PG&E RIO VISTA MASTER METER	SLIC
PG&E GAS DEHYDRATOR STATION, COMPR	SLIC
PG&E GAS DEHYDRATOR STATION, SHERM	SLIC
COLUMBIA HELICOPTERS** SOME ARCHI	SLIC
PG&E SHERMAN ISLAND NO. 1	SLIC
CHEVRON SS# 96946	CONTRA COSTA CO. SITE LIST
LINCOLN PROPERTIES	CONTRA COSTA CO. SITE LIST
REBELLO RACING	CONTRA COSTA CO. SITE LIST
LIRAS SUPERMARKET	SWRCY
NEXCYCLE/LIRAS SUPERMARKET	SWRCY
PACIFIC GAS AND ELECTRIC CO, A	EMI

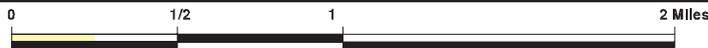
OVERVIEW MAP - 2069156.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

■ Areas of Concern

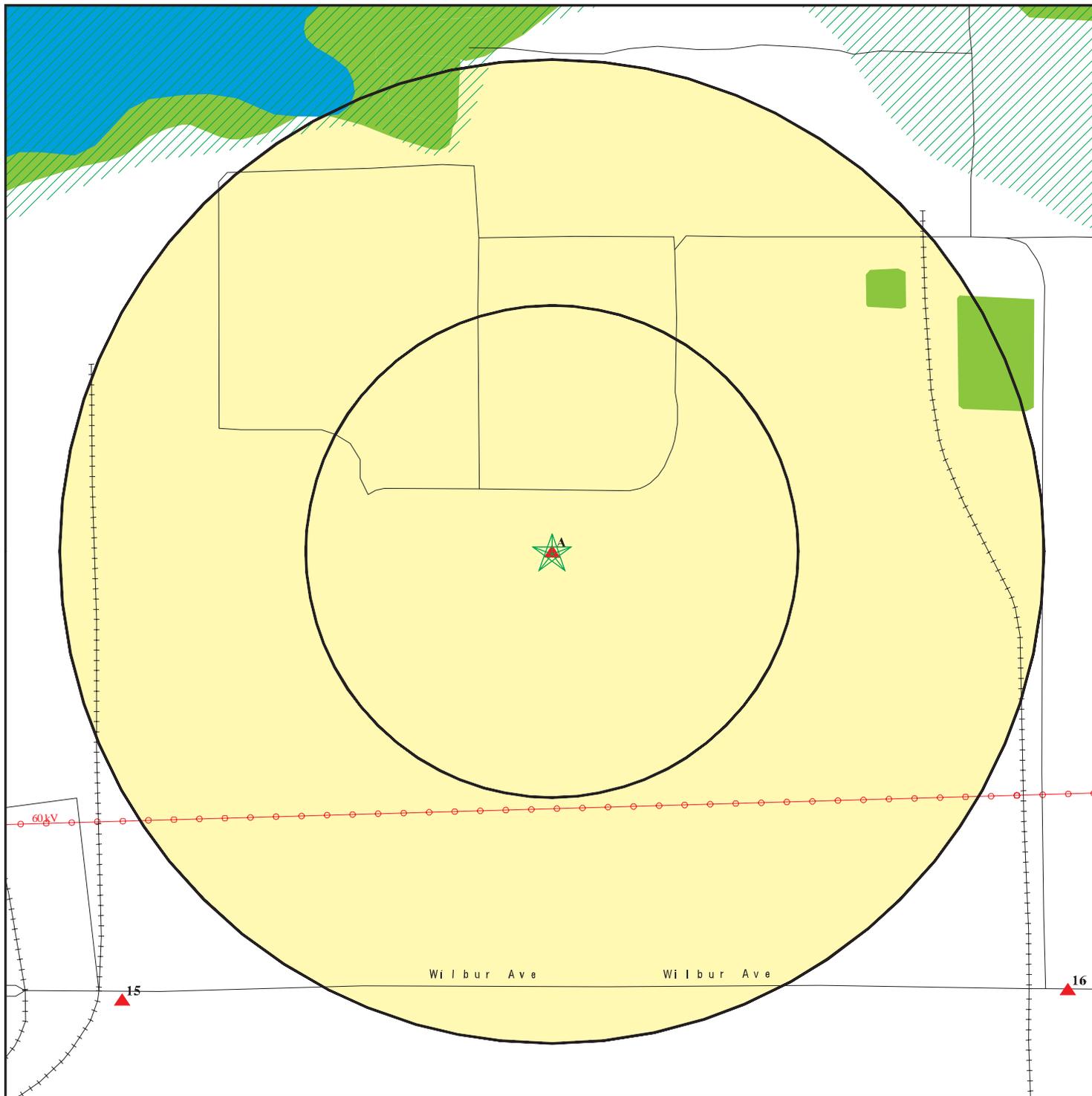


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

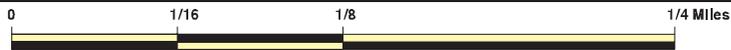
SITE NAME: Contra Costa Power Plant
 ADDRESS: 3201 Wilbur Avenue
 Antioch CA 94509
 LAT/LONG: 38.0155 / 121.7635

CLIENT: URS Corporation
 CONTACT: Katherine Brady
 INQUIRY #: 2069156.2s
 DATE: November 02, 2007 5:57 pm

DETAIL MAP - 2069156.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites



- ☒ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory
- ☒ Areas of Concern



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

SITE NAME: Contra Costa Power Plant
 ADDRESS: 3201 Wilbur Avenue
 Antioch CA 94509
 LAT/LONG: 38.0155 / 121.7635

CLIENT: URS Corporation
 CONTACT: Katherine Brady
 INQUIRY #: 2069156.2s
 DATE: November 02, 2007 5:57 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.250	0	0	0	0	0	0
Proposed NPL		1.250	0	0	0	0	0	0
Delisted NPL		1.250	0	0	0	0	0	0
NPL LIENS		0.250	0	0	NR	NR	NR	0
CERCLIS		0.750	0	0	0	0	NR	0
CERC-NFRAP	X	0.750	0	0	0	2	NR	2
CORRACTS	X	1.250	0	0	0	1	0	1
RCRA TSD	X	0.750	0	0	0	1	NR	1
RCRA Lg. Quan. Gen.	X	0.500	0	0	0	NR	NR	0
RCRA Sm. Quan. Gen.		0.500	0	0	1	NR	NR	1
ERNS	X	0.250	0	0	NR	NR	NR	0
HMIRS		0.250	0	0	NR	NR	NR	0
US ENG CONTROLS		0.750	0	0	0	0	NR	0
US INST CONTROL		0.750	0	0	0	0	NR	0
DOD		1.250	0	0	0	0	0	0
FUDS		1.250	0	0	0	0	0	0
US BROWNFIELDS		0.750	0	0	0	0	NR	0
CONSENT		1.250	0	0	0	0	0	0
ROD		1.250	0	0	0	0	0	0
UMTRA		0.750	0	0	0	0	NR	0
ODI		0.750	0	0	0	0	NR	0
TRIS		0.250	0	0	NR	NR	NR	0
TSCA		0.250	0	0	NR	NR	NR	0
FTTS	X	0.250	0	0	NR	NR	NR	0
SSTS		0.250	0	0	NR	NR	NR	0
DOT OPS		0.250	0	0	NR	NR	NR	0
DEBRIS REGION 9		0.750	0	0	0	0	NR	0
ICIS		0.250	0	0	NR	NR	NR	0
LUCIS		0.750	0	0	0	0	NR	0
CDL		0.250	0	0	NR	NR	NR	0
RADINFO		0.250	0	0	NR	NR	NR	0
LIENS 2		0.250	0	0	NR	NR	NR	0
HIST FTTS	X	0.250	0	0	NR	NR	NR	0
PADS		0.250	0	0	NR	NR	NR	0
MLTS		0.250	0	0	NR	NR	NR	0
MINES		0.500	0	0	0	NR	NR	0
FINDS	X	0.250	0	0	NR	NR	NR	0
RAATS	X	0.250	0	0	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
Hist Cal-Sites		1.250	0	0	0	0	0	0
CA Bond Exp. Plan		1.250	0	0	0	0	0	0
SCH		0.500	0	0	0	NR	NR	0
Toxic Pits		1.250	0	0	0	1	1	2
State Landfill		0.750	0	0	0	0	NR	0
CA WDS	X	0.250	0	0	NR	NR	NR	0
WMUDS/SWAT		0.750	0	0	0	2	NR	2

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Cortese		0.750	0	0	0	6	NR	6
SWRCY		0.750	0	0	0	0	NR	0
LUST		0.750	0	0	0	5	NR	5
CA FID UST		0.500	0	0	0	NR	NR	0
SLIC		0.750	0	0	0	3	NR	3
UST		0.500	0	0	1	NR	NR	1
HIST UST		0.500	0	0	0	NR	NR	0
AST	X	0.500	0	0	1	NR	NR	1
LIENS		0.250	0	0	NR	NR	NR	0
Contra Costa Co. Site List	X	0.500	0	0	9	NR	NR	9
SWEEPS UST		0.500	0	0	0	NR	NR	0
CHMIRS	X	0.250	0	0	NR	NR	NR	0
Notify 65		1.250	0	0	0	0	0	0
DEED		0.750	0	0	0	0	NR	0
VCP		0.750	0	0	2	1	NR	3
DRYCLEANERS		0.500	0	0	0	NR	NR	0
WIP		0.500	0	0	0	NR	NR	0
CDL		0.250	0	0	NR	NR	NR	0
RESPONSE		1.250	0	0	0	0	0	0
HAZNET	X	0.250	0	0	NR	NR	NR	0
EMI	X	0.250	0	0	NR	NR	NR	0
HAULERS		0.250	0	0	NR	NR	NR	0
ENVIROSTOR		1.250	0	0	2	2	2	6
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.250	0	0	0	0	0	0
INDIAN LUST		0.750	0	0	0	0	NR	0
INDIAN UST		0.500	0	0	0	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.250	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	

A1	3201 WILBUR AVENUE	ERNS	2004710776
Target	3201 WILBUR AVENUE		N/A
Property	ANTIOCH, CA 94509		

Site 1 of 14 in cluster A

Actual:
10 ft.

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

A2	PG&E CONTRA COSTA SWITCHYARD	CONTRA COSTA CO. SITE LIST	S104310620
Target	3201 WILBUR AVE #B		N/A
Property	ANTIOCH, CA		

Site 2 of 14 in cluster A

Actual:
10 ft.

CONTRA COSTA CO. SITE LIST:
 Region: CONTRA COSTA
 Facility ID: 772860
 Facility Status: ACTIVE
 Tier: Not reported
 Program Status: HWG, Hmmp
 Generator Fee Item: No
 Inactive Date: Not reported

A3	MIRANT DELTA, LLC CONTRA COSTA POWER PLANT	CONTRA COSTA CO. SITE LIST	S105455140
Target	3201 WILBUR AVE #A		N/A
Property	ANTIOCH, CA		

Site 3 of 14 in cluster A

Actual:
10 ft.

CONTRA COSTA CO. SITE LIST:
 Region: CONTRA COSTA
 Facility ID: 735376
 Facility Status: ACTIVE
 Tier: X
 Program Status: HWG, Hmmp, ARP
 Generator Fee Item: No
 Inactive Date: Not reported

A4	3201 WILBUR AVE	ERNS	2004741756
Target	3201 WILBUR AVE		N/A
Property	ANTIOCH, CA 94509		

Site 4 of 14 in cluster A

Actual:
10 ft.

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

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A5 **RESTEC CONTRACTORS, INC.**
Target **3201 WILBUR AVE**
Property **ANTIOCH, CA 94509**

FINDS **1008158783**
FTTS **110020509145**
HIST FTTS

Site 5 of 14 in cluster A

Actual:
10 ft.

FINDS:
 Other Pertinent Environmental Activity Identified at Site

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

FTTS INSP:

Inspection Number: 200109259ST02 2
 Region: 09
 Inspection Date: 09/25/2001
 Inspector: M GARBER
 Violation occurred: No
 Investigation Type: Asbestos, MAP Enforcement, SEE
 Investigation Reason: Neutral Scheme, Region
 Legislation Code: TSCA
 Facility Function: Public Facility

HIST FTTS INSP:

Inspection Number: 200109259ST02 2
 Region: 09
 Inspection Date: Not reported
 Inspector: M GARBER
 Violation occurred: No
 Investigation Type: Asbestos, MAP Enforcement, SEE
 Investigation Reason: Neutral Scheme, Region
 Legislation Code: TSCA
 Facility Function: Public Facility

A6 **MIRANT DELTA, LLC**
Target **3201 WILBUR AVENUE**
Property **ANTIOCH, CA 94509**

FINDS **1007739419**
HAZNET **110019003790**

Site 6 of 14 in cluster A

Actual:
10 ft.

FINDS:
 Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

MIRANT DELTA, LLC (Continued)

1007739419

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PCS (Permit Compliance System) 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.

HAZNET:

Gepaid: CAT080011489
Contact: A F. RICCI, SR. ENVT'L ENGR
Telephone: 9254273554
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 192
Mailing City,St,Zip: PITTSBURG, CA 945650000
Gen County: Contra Costa
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Tons: 0.07
Facility County: Not reported

Gepaid: CAT080011489
Contact: A F. RICCI, SR. ENVT'L ENGR
Telephone: 9254273554
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 192
Mailing City,St,Zip: PITTSBURG, CA 945650000
Gen County: Contra Costa
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Tons: 0.07
Facility County: Not reported

Gepaid: CAT080011489
Contact: A F. RICCI, SR. ENVT'L ENGR
Telephone: 9254273554
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 192
Mailing City,St,Zip: PITTSBURG, CA 945650000
Gen County: Contra Costa
TSD EPA ID: CAD009452657
TSD County: Contra Costa
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Tons: 0.13
Facility County: 7

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

MIRANT DELTA, LLC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1007739419

Gepaid: CAT080011489
 Contact: A F. RICCI, SR. ENVT'L ENGR
 Telephone: 9254273554
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 192
 Mailing City,St,Zip: PITTSBURG, CA 945650000
 Gen County: Contra Costa
 TSD EPA ID: CAD009452657
 TSD County: Contra Costa
 Waste Category: Alkaline solution without metals (pH > 12.5)
 Disposal Method: Recycler
 Tons: 0.08
 Facility County: 7

Gepaid: CAT080011489
 Contact: A F. RICCI, SR. ENVT'L ENGR
 Telephone: 9254273554
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 192
 Mailing City,St,Zip: PITTSBURG, CA 945650000
 Gen County: Contra Costa
 TSD EPA ID: CAD009452657
 TSD County: Contra Costa
 Waste Category: Liquids with pH <UN-> 2
 Disposal Method: Treatment, Incineration
 Tons: 0
 Facility County: 7

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

A7 **PERFORMANCE ABATEMENT SERVICES OF CALIF**
Target **3201 WILBUR AVE**
Property **ANTIOCH, CA 94509**

FINDS **1008158782**
FTTS **110020509136**
HIST FTTS

Site 7 of 14 in cluster A

Actual:
10 ft.

FINDS:
 Other Pertinent Environmental Activity Identified at Site

NCDB (National Compliance Data Base) supports implementation of the
 Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the
 Toxic Substances Control Act (TSCA). The system tracks inspections in
 regions and states with cooperative agreements, enforcement actions,
 and settlements.

FTTS INSP:
 Inspection Number: 200109259ST02 1
 Region: 09
 Inspection Date: 09/25/2001
 Inspector: M GARBER
 Violation occurred: No
 Investigation Type: Asbestos, MAP Enforcement, SEE
 Investigation Reason: Neutral Scheme, Region

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

PERFORMANCE ABATEMENT SERVICES OF CALIF (Continued)

1008158782

Legislation Code: TSCA
 Facility Function: Public Facility

HIST FTTS INSP:

Inspection Number: 200109259ST02 1
 Region: 09
 Inspection Date: Not reported
 Inspector: M GARBER
 Violation occurred: No
 Investigation Type: Asbestos, MAP Enforcement, SEE
 Investigation Reason: Neutral Scheme, Region
 Legislation Code: TSCA
 Facility Function: Public Facility

A8
Target 3201 WILBUR AVE
Property 3201 WILBUR AVE
 ANTIOCH, CA 94509

ERNS 94393547
 N/A

Actual: Site 8 of 14 in cluster A
 10 ft.

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

A9
Target 3201 WILBUR AVE.
Property ANTIOCH, CA 94509

CHMIRS S105887305
 N/A

Actual: Site 9 of 14 in cluster A
 10 ft.

CHMIRS:
 OES Incident Number: 02-6863
 OES notification: 12/17/200210:51:29 AM
 OES Date: Not reported
 OES Time: Not reported
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agncy Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

(Continued)

S105887305

Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA/DOT/PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Comments:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	Yes
Waterway:	San Joaquin River
Spill Site:	Not reported
Cleanup By:	Contractor
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	2002
Agency:	Mirant California
Incident Date:	12/16/2002 12:00:00 AM
Admin Agency:	Contra Costa County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Industrial Plant
E Date:	Not reported
Substance:	Oily Waste Water
Quantity Released:	Not reported
BBLs:	0
Cups:	0
CUFT:	0
Gallons:	1
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Description:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	At the power plant, the waste water discharges through a processing into a canal and then into the river. The rain has overloaded their system and they noticed a sheen yesterday. It has been boomed and they are in the process of cleaning it up.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A10 **PACIFIC GAS & ELECTRIC/CONTRA COSTA PLT**
Target **3201 WILBUR AVENUE**
Property **ANTIOCH, CA 94509**

HAZNET **S103652575**
EMI **N/A**

Site 10 of 14 in cluster A

Actual:
10 ft.

HAZNET:

Gepaid: CAT080011489
 Contact: PACIFIC GAS & ELECTRIC COMPANY
 Telephone: 4159732188
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 249
 Mailing City,St,Zip: ANTIOCH, CA 945090024
 Gen County: 7
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Latex waste
 Disposal Method: Disposal, Other
 Tons: 1.8348
 Facility County: 7

Gepaid: CAT080011489
 Contact: PACIFIC GAS & ELECTRIC COMPANY
 Telephone: 4159732188
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 249
 Mailing City,St,Zip: ANTIOCH, CA 945090024
 Gen County: 7
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Latex waste
 Disposal Method: Recycler
 Tons: 1.0168
 Facility County: 7

Gepaid: CAT080011489
 Contact: PACIFIC GAS & ELECTRIC COMPANY
 Telephone: 4159732188
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 249
 Mailing City,St,Zip: ANTIOCH, CA 945090024
 Gen County: 7
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified solvent mixture Waste
 Disposal Method: Disposal, Other
 Tons: .4263
 Facility County: 7

Gepaid: CAT080011489
 Contact: PACIFIC GAS & ELECTRIC COMPANY
 Telephone: 4159732188
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 249
 Mailing City,St,Zip: ANTIOCH, CA 945090024

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PACIFIC GAS & ELECTRIC/CONTRA COSTA PLT (Continued)

S103652575

Gen County: 7
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Aqueous solution with metals (restricted levels and Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
 Disposal Method: Disposal, Other
 Tons: .5455
 Facility County: 7

Gepaid: CAT080011489
 Contact: PACIFIC GAS & ELECTRIC COMPANY
 Telephone: 4159732188
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 249
 Mailing City, St, Zip: ANTIOCH, CA 945090024
 Gen County: 7
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Empty containers less than 30 gallons
 Disposal Method: Disposal, Other
 Tons: 8.4761
 Facility County: 7

[Click this hyperlink](#) while viewing on your computer to access 254 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1999
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 18
 Air District Name: BA
 SIC Code: 4939
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 22
 Reactive Organic Gases Tons/Yr: 10
 Carbon Monoxide Emissions Tons/Yr: 460
 NOX - Oxides of Nitrogen Tons/Yr: 1157
 SOX - Oxides of Sulphur Tons/Yr: 7
 Particulate Matter Tons/Yr: 35
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 35

Year: 2000
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 18
 Air District Name: BA
 SIC Code: 4939
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 87

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PACIFIC GAS & ELECTRIC/CONTRA COSTA PLT (Continued)

S103652575

Reactive Organic Gases Tons/Yr:	37
Carbon Monoxide Emissions Tons/Yr:	1371
NOX - Oxides of Nitrogen Tons/Yr:	1288
SOX - Oxides of Sulphur Tons/Yr:	12
Particulate Matter Tons/Yr:	121
Part. Matter 10 Micrometers & Smlr Tons/Yr:	121
Year:	2001
Carbon Monoxide Emissions Tons/Yr:	7
Air Basin:	SF
Facility ID:	18
Air District Name:	BA
SIC Code:	4931
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	29
Reactive Organic Gases Tons/Yr:	13
Carbon Monoxide Emissions Tons/Yr:	642
NOX - Oxides of Nitrogen Tons/Yr:	1164
SOX - Oxides of Sulphur Tons/Yr:	10
Particulate Matter Tons/Yr:	49
Part. Matter 10 Micrometers & Smlr Tons/Yr:	49
Year:	2002
Carbon Monoxide Emissions Tons/Yr:	7
Air Basin:	SF
Facility ID:	18
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	54
Reactive Organic Gases Tons/Yr:	23
Carbon Monoxide Emissions Tons/Yr:	814
NOX - Oxides of Nitrogen Tons/Yr:	249
SOX - Oxides of Sulphur Tons/Yr:	6
Particulate Matter Tons/Yr:	74
Part. Matter 10 Micrometers & Smlr Tons/Yr:	74
Year:	2003
Carbon Monoxide Emissions Tons/Yr:	7
Air Basin:	SF
Facility ID:	18
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	6
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	116
NOX - Oxides of Nitrogen Tons/Yr:	43
SOX - Oxides of Sulphur Tons/Yr:	2
Particulate Matter Tons/Yr:	9
Part. Matter 10 Micrometers & Smlr Tons/Yr:	9

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

PACIFIC GAS & ELECTRIC/CONTRA COSTA PLT (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S103652575

Year: 2004
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 18
 Air District Name: BA
 SIC Code: 4911
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 8.278
 Reactive Organic Gases Tons/Yr: 3.9596825
 Carbon Monoxide Emissions Tons/Yr: 162.503
 NOX - Oxides of Nitrogen Tons/Yr: 68.183
 SOX - Oxides of Sulphur Tons/Yr: 2.457
 Particulate Matter Tons/Yr: 12.287
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 12.287

Year: 2005
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 18
 Air District Name: BA
 SIC Code: 4911
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 4.23
 Reactive Organic Gases Tons/Yr: 2.2544751
 Carbon Monoxide Emissions Tons/Yr: 69.887
 NOX - Oxides of Nitrogen Tons/Yr: 26.179
 SOX - Oxides of Sulphur Tons/Yr: 1.059
 Particulate Matter Tons/Yr: 5.291
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 5.290784

A11 3201 WILBUR AVE
 Target 3201 WILBUR AVE
 Property ANTIOCH, CA 0

ERNS 2002632039
 N/A

Actual: Site 11 of 14 in cluster A
 10 ft.

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

A12 CONTRA COSTA POWER PLANT
 Target 3201 WILBUR AVE
 Property ANTIOCH, CA 94509

RCRA-LQG 1000196257
RCRA-TSDF CAT080011489
RAATS
CORRACTS
AST
CERC-NFRAP
CA WDS

Actual: Site 12 of 14 in cluster A
 10 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CONTRA COSTA POWER PLANT (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000196257

RCRAInfo Corrective Action Summary:

Event: CA Prioritization, Facility or area was assigned a low corrective action priority.
 Event Date: 12/01/1986

RCRAInfo:

Owner: PACIFIC GAS AND ELECTRIC COMPANY
 (415) 972-2733
 EPA ID: CAT080011489
 Contact: Not reported
 Classification: Large Quantity Generator, TSDF
 TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2005

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	1142.00	D002	1126.00
D006	3574.00	D007	338.00
D008	145.00	D009	7.00

Violation Status: Violations exist

Regulation Violated: 264.140-150.H
 Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
 Date Violation Determined: 06/24/1992
 Actual Date Achieved Compliance: 10/13/1992
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 08/12/1987
 Penalty Type: Not reported

Regulation Violated: 270
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 02/23/1989
 Actual Date Achieved Compliance: 08/05/1991
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 04/05/1989
 Penalty Type: Not reported

Regulation Violated: 264.90-94.F
 Area of Violation: TSD-GROUNDWATER MONITORING REQUIREMENTS
 Date Violation Determined: 12/08/1987
 Actual Date Achieved Compliance: 01/18/1988
 Enforcement Action: FINAL 3008(H) I.S. CA ORDERS (NON-HSWA)
 Enforcement Action Date: 09/15/1989
 Penalty Type: Not reported

Regulation Violated: 270
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 11/24/1987
 Actual Date Achieved Compliance: 01/18/1988
 Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 01/08/1988
 Penalty Type: Not reported

Regulation Violated: 270
 Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
 Date Violation Determined: 11/25/1986

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CONTRA COSTA POWER PLANT (Continued)

EDR ID Number
EPA ID Number

1000196257

Actual Date Achieved Compliance: 08/05/1991
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/12/1987
Penalty Type: Not reported

There are 5 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19921013
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19910805
Compliance GW Monitoring Evaluation	TSD-GOUNDWATER MONITORING REQUIREMENTS	19880118
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19880118
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19910805

CORRACTS:

EPA ID: CAT080011489
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 12/01/1986
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 221112
Fossil Fuel Electric Power Generation

AST:

Owner: MIRANT DELTA LLC
Total Gallons: 5942916

CERC-NFRAP:

Site ID: 0902670
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):

Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096
Contact Title: Site Assessment Manager (SAM)

Contact Name: Jere Johnson
Contact Tel: (415) 972-3094
Contact Title: Site Assessment Manager (SAM)

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: PG&E
Alias Address: SW 1 1/4 SEC 16 T2N R2E
ANTIOCH, CA 94509

Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 10/01/1979
Priority Level: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CONTRA COSTA POWER PLANT (Continued)

1000196257

Action:	RESOURCE CONSERVATION AND RECOVERY ACT FACILITY ASSESSMENT
Date Started:	Not reported
Date Completed:	09/25/1986
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	12/01/1986
Priority Level:	Low
Action:	SITE INSPECTION
Date Started:	Not reported
Date Completed:	12/01/1986
Priority Level:	High
Action:	SITE INSPECTION
Date Started:	Not reported
Date Completed:	10/11/1991
Priority Level:	NFRAP (No Futher Remedial Action Planned)
Action:	ARCHIVE SITE
Date Started:	Not reported
Date Completed:	10/11/1991
Priority Level:	Not reported

CA WDS:

Facility ID:	5S 07I016482
Facility Type:	Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
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:	9257796500
Facility Contact:	STEVE BAUMAN
Agency Name:	MIRANT DELTA LLC
Agency Address:	3201 WILBUR AVE
Agency City,St,Zip:	ANTIOCH 945090024
Agency Contact:	STEVEN BAUMAN
Agency Telephone:	9257796500
Agency Type:	?
SIC Code:	0
SIC Code 2:	Not reported
Primary Waste:	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

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CONTRA COSTA POWER PLANT (Continued)

1000196257

Complexity: 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.
 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.

**A13
 Target
 Property**

**3201 WILBUR AVE CONTRA COSTA POWER PLANT
 ANTIOCH, CA 94509**

**CHMIRS S105634686
 N/A**

Site 13 of 14 in cluster A

**Actual:
 10 ft.**

CHMIRS:
 OES Incident Number: 3349
 OES notification: Not reported
 OES Date: 7/28/1994
 OES Time: 10:06:53 AM
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agncy Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported
 Others Number Of Decontaminated: Not reported
 Others Number Of Injuries: Not reported
 Others Number Of Fatalities: Not reported
 Vehicle Make/year: Not reported
 Vehicle License Number: Not reported
 Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA/DOT/PUC/ICC Number: Not reported
 Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Comments: Not reported
 Facility Telephone: Not reported
 Waterway Involved: YES
 Waterway: san joaquin river

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

(Continued)

S105634686

Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA/DOT/PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: YES
Waterway: san joaquin river
Spill Site: Not reported
Cleanup By: pge/clean bay
Containment: Not reported
What Happened: Not reported
Type: PETROLEUM
Measure: Not reported
Other: Not reported
Date/Time: Not reported
Year: 1996
Agency: pg&e
Incident Date: 0630 13Nov96
Admin Agency: Not reported
Amount: approx 50 bbls
Contained: YES
Site Type: OTHER
E Date: Not reported
Substance: fuel oil
Quantity Released: Not reported
BBLs: Not reported
Cups: Not reported
CUFT: Not reported
Gallons: Not reported
Grams: Not reported
Pounds: Not reported
Liters: Not reported
Ounces: Not reported
Pints: Not reported
Quarts: Not reported
Sheen: Not reported
Tons: Not reported
Unknown: Not reported
Description: a containment valve was opened up by vandals. a fuel line rupture also occurred.
Evacuations: NO
Number of Injuries: NO
Number of Fatalities: NO
Description: Not reported

MAP FINDINGS

Map ID			
Direction			
Distance			
Distance (ft.)			
Elevation	Site	Database(s)	EDR ID Number EPA ID Number

A14	BAYVIEW ENVI. SCVS.(CONTRA COSTA PWR. PL	FTTS	1008175485
Target	3201 WILBUR AVE	HIST FTTS	N/A
Property	ANTIOCH, CA 94509		

Site 14 of 14 in cluster A

**Actual:
10 ft.**

FTTS INSP:
 Inspection Number: 200109259ST07 2
 Region: 09
 Inspection Date: 09/25/2001
 Inspector: MURRAY GARBER
 Violation occurred: No
 Investigation Type: Asbestos, MAP Enforcement, SEE
 Investigation Reason: Neutral Scheme, Region
 Legislation Code: TSCA
 Facility Function: User

HIST FTTS INSP:
 Inspection Number: 200109259ST07 2
 Region: 09
 Inspection Date: Not reported
 Inspector: MURRAY GARBER
 Violation occurred: No
 Investigation Type: Asbestos, MAP Enforcement, SEE
 Investigation Reason: Neutral Scheme, Region
 Legislation Code: TSCA
 Facility Function: User

15	DNG TRANSPORTATION	CONTRA COSTA CO. SITE LIST	S107591815
SW	3000 WILBUR AVE		N/A
1/4-1/2	ANTIOCH, CA		
1665 ft.			

**Relative:
Higher**

CONTRA COSTA CO. SITE LIST:
 Region: CONTRA COSTA
 Facility ID: 773651
 Facility Status: ACTIVE
 Tier: Not reported
 Program Status: HWG, Hmp
 Generator Fee Item: No
 Inactive Date: Not reported

**Actual:
24 ft.**

16	PG&E GATEWAY GENERATING STATION	CONTRA COSTA CO. SITE LIST	S108407520
SE	3225 WILBUR AVE		N/A
1/4-1/2	ANTIOCH, CA		
1816 ft.			

**Relative:
Higher**

CONTRA COSTA CO. SITE LIST:
 Region: CONTRA COSTA
 Facility ID: 773723
 Facility Status: ACTIVE
 Tier: Not reported
 Program Status: Hmp
 Generator Fee Item: No
 Inactive Date: Not reported

**Actual:
13 ft.**

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

B17 RIVER MARINE REPAIR
ESE 450 FLEMING LN
 1/4-1/2 ANTIOCH, CA 94509
 2077 ft.

HAZNET S102259887
CONTRA COSTA CO. SITE LIST N/A

Relative: Site 1 of 2 in cluster B
Higher

HAZNET:
 Gepaid: CAL000025656
 Contact: RICHARD T. CONFETTI
 Telephone: 0000000000
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 450 FLEMING LN
 Mailing City,St,Zip: ANTIOCH, CA 945090000
 Gen County: 7
 TSD EPA ID: CAT080013352
 TSD County: Los Angeles
 Waste Category: Unspecified organic liquid mixture
 Disposal Method: Recycler
 Tons: 0.4587
 Facility County: 7

CONTRA COSTA CO. SITE LIST:
 Region: CONTRA COSTA
 Facility ID: 770926
 Facility Status: ACTIVE
 Tier: Not reported
 Program Status: HWG
 Generator Fee Item: No
 Inactive Date: Not reported

B18 SAN JOAQUIN YACHT HARBOR
ESE 3307 WILBUR AVE
 1/4-1/2 ANTIOCH, CA 94509
 2188 ft.

UST U003784300
CONTRA COSTA CO. SITE LIST N/A

Relative: Site 2 of 2 in cluster B
Higher

UST:
 Local Agency: 07000
 Facility ID: 770119

CONTRA COSTA CO. SITE LIST:
 Region: CONTRA COSTA
 Facility ID: 770119
 Facility Status: INACTIVE
 Tier: Not reported
 Program Status: UST, Hmmp
 Generator Fee Item: No
 Inactive Date: 10/12/2006

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

C19 **LOUISIANA PACIFIC CORP SAN JOAQUIN MILL**
WSW **EAST WILBUR AVE**
1/4-1/2 **ANTIOCH, CA 94509**
2206 ft.

RCRA-SQG **1000262972**
FINDS **CAD009151705**

Site 1 of 3 in cluster C

Relative:
Higher

RCRAInfo:
 Owner: LOUISIANA-PACIFIC CORP
 (415) 757-4000
 EPA ID: CAD009151705

Actual:
29 ft.

Contact: Not reported
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

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

C20 **EAST MILL**
WSW **2603 WILBUR AVENUE**
1/4-1/2 **ANTIOCH, CA 94509**
2215 ft.

VCP **S106152509**
ENVIROSTOR **N/A**

Site 2 of 3 in cluster C

Relative:
Higher

VCP:
 Facility ID: 07260003
 Site Type: Voluntary Cleanup
 Site Type Detail: Voluntary Cleanup
 Acres: 80.11
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP, RWQCB 5S - Central Valley
 Lead Agency: SMBRP
 Lead Agency Description: Not reported
 Project Manager: JANET NAITO
 Supervisor: Barbara Cook
 Division Branch: North Coast
 Site Code: 201536
 Assembly: 11
 Senate: 07
 Special Programs Code: Designation of Single Agency
 Status: Active
 Status Date: 2004-01-27 00:00:00
 Restricted Use: NO
 Funding: Responsible Party
 Lat/Long: 38.0135421686746 / -121.769525
 Alias Name: 051-031-005-5
 EAST MILL
 201536
 07260003
 Alias Type: Envirostor ID Number

Actual:
29 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

EAST MILL (Continued)

S106152509

APN: APN Description: Comments:	Project Code (Site Code) APN Alternate Name 051-031-005-5 Not reported The Negative Declaration underwent a public comment period from September 22, 2004 through October 22, 2004. In addition, a public meeting was held on Thursday, September 23, 2004. Approve Public Participation Plan for the nine sites addressed under the Agreement. Held site conference pursuant to H&SC Section 25398.2. DTSC approved implementation report for the interim action taken to remove the 125 by 450 foot black liquor pond at this Site. Chemicals of concern in the black liquor pond fill material were lead, nickel and dioxin/furans. In total, 1,747 truck Voluntary Environmental Oversight Agreement Docket No. HSA-A 03/04-084 signed with Gaylord Container Corporation, d/b/a Inland Paperboard and Packaging, Antioch Mill. Approved focused RIFS for black liquor pond area. The black liquor pond, an area roughly 125 by 450 feet, with a maximum depth of 21 feet below ground surface, is located on the southeast corner of the Site. From the early 1950s until approximately Remedial Design for removal of the black liquor pond approved. Approve Remedial Action Plan (RAP) to address the black liquor pond area. The draft RAP recommended removal and offsite disposal of black liquor pond materials. The draft RAP underwent a public comment period which ran from September 1, 2004 through Groundwater monitoring will be conducted in April 2006 and September 2006 for metals, TPH, VOCs, PAHs and dioxin/furans. One additional upgradient well will be installed. DTSC completes preliminary endangerment assessments. All existing wells will be sampled in April and September 2006. DTSC approved plan to collect additional soil vapor and groundwater samples. DTSC approved additional groundwater sampling to better define the extent of volatile organic compounds contamination in groundwater. Workplan approved with modifications for additional groundwater monitoring and soil sampling. Workplan is approved with modifications. h October 22, 2004. y 1970, the pond was used intermittently to store black liquor, a byproduct of the mill operation. It was later backfilled with soil and wood chips. Soil samples show higher than usual amounts of some metals and dioxins/furans in the black liquor loads or 45,840 tons (34,955 cy) of BLP fill material were removed from the site between November 19, 2004 and January 31, 2005. Backfilling and regrading were completed in May 2005. pond. The contaminants are generally limited to the black liquor pond area boundaries. Completed Area Name: Black Liquor Pond Completed Sub Area Name: Not reported Completed Document Type: Remedial Action Completion Report Completed Date: 2005-11-22 00:00:00 Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Groundwater Monitoring Plan Completed Date: 2006-03-28 00:00:00 Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Fact Sheets Completed Date: 2005-04-20 00:00:00 Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported Completed Document Type: Public Notice
---------------------------------------	---

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

EAST MILL (Continued)

S106152509

Completed Date: 2005-04-20 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Monitoring Plan
Completed Date: 2006-03-28 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 2006-06-08 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 2006-08-24 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Monitoring Plan
Completed Date: 2007-05-23 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 2005-05-11 00:00:00
Completed Area Name: Black Liquor Pond
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 2004-11-01 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 2005-06-09 00:00:00
Completed Area Name: Black Liquor Pond
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design
Completed Date: 2004-11-12 00:00:00
Completed Area Name: Black Liquor Pond
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 2004-08-30 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 2004-10-25 00:00:00
Completed Area Name: Black Liquor Pond
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 2004-11-01 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 2004-01-29 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Clean-up Agreement
Completed Date: 2003-12-30 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation
Completed Date: 2003-12-15 00:00:00

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

EAST MILL (Continued)

S106152509

Confirmed: 30009,,
 Confirmed Description: Dioxin (as 2,3,7,8-TCDD TEQ)
 Confirmed Description: Not reported
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Removal Action Completion Report
 Future Due Date: 2009
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Removal Action Workplan
 Future Due Date: 2007
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Operations and Maintenance Plan
 Future Due Date: 2009
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Fact Sheets
 Future Due Date: 2007
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Remedial Action Completion Report
 Future Due Date: 2008
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Certification
 Future Due Date: 2009
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Deed Restriction / Land Use Covenant
 Future Due Date: 2009
 Media Affected: OTH, SOIL, OTH, SOIL
 Media Affected Desc: Other Groundwater affected (uses other than drinking water)
 Media Affected Desc: Soil
 Media Affected Desc: Other Groundwater affected (uses other than drinking water)
 Media Affected Desc: Soil
 Management Required: NONE SPECIFIED
 Management Required Desc: Not reported
 Potential: 30009, 30009, 30024, 3002502
 Potential Description: Dioxin (as 2,3,7,8-TCDD TEQ)
 Potential Description: Dioxin (as 2,3,7,8-TCDD TEQ)
 Potential Description: TPH-diesel
 Potential Description: TPH-MOTOR OIL
 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
 PastUse: MANUFACTURING - PAPER, MANUFACTURING - PAPER

ENVIROSTOR:

Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 80.11
 NPL: NO
 Regulatory Agencies: SMBRP, RWQCB 5S - Central Valley
 Lead Agency: SMBRP

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

EAST MILL (Continued)

S106152509

Program Manager: JANET NAITO
 Supervisor: Barbara Cook
 Division Branch: North Coast
 Facility ID: 07260003
 Site Code: 201536
 Assembly: 11
 Senate: 07
 Special Program: Designation of Single Agency
 Status: Active
 Status Date: 2004-01-27 00:00:00
 Restricted Use: NO
 Funding: Responsible Party
 Latitude: 38.0135421686746
 Longitude: -121.769525
 Alias Name: 051-031-005-5
 EAST MILL
 201536
 07260003
 Alias Type: Envirostor ID Number
 Project Code (Site Code)
 APN
 Alternate Name
 APN: 051-031-005-5
 APN Description: Not reported
 Comments: The Negative Declaration underwent a public comment period from September 22, 2004 through October 22, 2004. In addition, a public meeting was held on Thursday, September 23, 2004. Approve Public Participation Plan for the nine sites addressed under the Agreement. Held site conference pursuant to H&SC Section 25398.2. DTSC approved implementation report for the interim action taken to remove the 125 by 450 foot black liquor pond at this Site. Chemicals of concern in the black liquor pond fill material were lead, nickel and dioxin/furans. In total, 1,747 truck Voluntary Environmental Oversight Agreement Docket No. HSA-A 03/04-084 signed with Gaylord Container Corporation, d/b/a Inland Paperboard and Packaging, Antioch Mill. Approved focused RIFS for black liquor pond area. The black liquor pond, an area roughly 125 by 450 feet, with a maximum depth of 21 feet below ground surface, is located on the southeast corner of the Site. From the early 1950s until approximately Remedial Design for removal of the black liquor pond approved. Approve Remedial Action Plan (RAP) to address the black liquor pond area. The draft RAP recommended removal and offsite disposal of black liquor pond materials. The draft RAP underwent a public comment period which ran from September 1, 2004 through Groundwater monitoring will be conducted in April 2006 and September 2006 for metals, TPH, VOCs, PAHs and dioxin/furans. One additional upgradient well will be installed. DTSC completes preliminary endangerment assessments. All existing wells will be sampled in April and September 2006. DTSC approved plan to collect additional soil vapor and groundwater samples. DTSC approved additional groundwater sampling to better define the extent of volatile organic compounds contamination in groundwater. Workplan approved with modifications for additional groundwater monitoring and soil sampling. Workplan is approved with modifications. h October 22, 2004. y 1970, the pond was used intermittently to store black liquor, a byproduct of the mill operation. It was later backfilled with soil and wood chips. Soil samples show higher than usual amounts of some metals and dioxins/furans in the black liquor loads or 45,840

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

EAST MILL (Continued)

S106152509

tons (34,955 cy) of BLP fill material were removed from the site between November 19, 2004 and January 31, 2005. Backfilling and regrading were completed in May 2005.pond. The contaminants are generally limited to the black liquor pond area boundaries.

Completed Area Name: Black Liquor Pond
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 2005-11-22 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Monitoring Plan
Completed Date: 2006-03-28 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 2005-04-20 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 2005-04-20 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 2006-06-08 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 2006-08-24 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Groundwater Monitoring Plan
Completed Date: 2007-05-23 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 2005-05-11 00:00:00
Completed Area Name: Black Liquor Pond
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 2004-11-01 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 2005-06-09 00:00:00
Completed Area Name: Black Liquor Pond
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Design
Completed Date: 2004-11-12 00:00:00
Completed Area Name: Black Liquor Pond
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 2004-08-30 00:00:00
Completed Area Name: PROJECT WIDE

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

EAST MILL (Continued)

S106152509

Completed Sub Area Name: Not reported
 Completed Document Type: Public Participation Plan / Community Relations Plan
 Completed Date: 2004-10-25 00:00:00
 Completed Area Name: Black Liquor Pond
 Completed Sub Area Name: Not reported
 Completed Document Type: CEQA - Initial Study/ Neg. Declaration
 Completed Date: 2004-11-01 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Conferences for SB 923 Sites
 Completed Date: 2004-01-29 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Clean-up Agreement
 Completed Date: 2003-12-30 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: AB 2061 - Designation
 Completed Date: 2003-12-15 00:00:00
 Confirmed: 30009,,
 Confirmed Description: Dioxin (as 2,3,7,8-TCDD TEQ)
 Confirmed Description: Not reported
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Removal Action Completion Report
 Future Due Date: 2009
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Removal Action Workplan
 Future Due Date: 2007
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Operations and Maintenance Plan
 Future Due Date: 2009
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Fact Sheets
 Future Due Date: 2007
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Remedial Action Completion Report
 Future Due Date: 2008
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Certification
 Future Due Date: 2009
 Future Area Name: PROJECT WIDE
 Future Sub Area Name: Not reported
 Future Document Type: Deed Restriction / Land Use Covenant
 Future Due Date: 2009
 Media Affected: OTH, SOIL, OTH, SOIL
 Media Affected Desc: Other Groundwater affected (uses other than drinking water)
 Media Affected Desc: Soil
 Media Affected Desc: Other Groundwater affected (uses other than drinking water)
 Media Affected Desc: Soil
 Management Required: NONE SPECIFIED
 Management Required Desc: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

EAST MILL (Continued)

S106152509

Potential: 30009, 30009, 30024, 3002502
 Potential Description: Dioxin (as 2,3,7,8-TCDD TEQ)
 Potential Description: Dioxin (as 2,3,7,8-TCDD TEQ)
 Potential Description: TPH-diesel
 Potential Description: TPH-MOTOR OIL
 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
 PastUse: MANUFACTURING - PAPER, MANUFACTURING - PAPER

**C21
 WSW
 1/4-1/2
 2228 ft.**

**INDUSTRIAL LOT WITH RAILROAD SIDING
 2600 WILBUR AVENUE
 ANTIOCH, CA 94509**

**VCP S106568193
 ENVIROSTOR N/A**

Site 3 of 3 in cluster C

**Relative:
 Higher**

VCP:

**Actual:
 29 ft.**

Facility ID: 07990014
 Site Type: Voluntary Cleanup
 Site Type Detail: Voluntary Cleanup
 Acres: 10.28
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
 Lead Agency: SMBRP
 Lead Agency Description: Not reported
 Project Manager: JANET NAITO
 Supervisor: Barbara Cook
 Division Branch: North Coast
 Site Code: 201534
 Assembly: 11
 Senate: 07
 Special Programs Code: Designation of Single Agency
 Status: Certified
 Status Date: 2006-03-06 00:00:00
 Restricted Use: NO
 Funding: Responsible Party
 Lat/Long: 38.0113 / -121.7688
 Alias Name: 051-032-009-6
 201534
 INDUSTRIAL LOT WITH RAILROAD SIDING
 INDUSTRIAL LOT #2
 07990014
 Alias Type: Envirostor ID Number
 Alternate Name
 Project Code (Site Code)
 APN
 Alternate Name
 APN: 051-032-009-6
 APN Description: Not reported
 Comments: Voluntary Environmental Oversight Agreement Docket No. HSA-A
 03/04-084 signed with Gaylord Container Corporation, d/b/a Inland
 Paperboard and Packaging, Antioch Mill. Public Participation Plan
 approved for the nine Gaylord Mill and Non-Mill Properties. PEA
 completed and no further action is required. In accordance with Site
 Designation requirements, the site is certified. DTSC designated lead
 administering agency.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

INDUSTRIAL LOT WITH RAILROAD SIDING (Continued)

S106568193

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 2006-03-06 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 2004-10-25 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 2006-03-06 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 2004-01-29 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Clean-up Agreement
Completed Date: 2003-12-30 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation
Completed Date: 2003-12-15 00:00:00
Confirmed: 30024,3002502
Confirmed Description: TPH-diesel
Confirmed Description: TPH-MOTOR OIL
Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Media Affected: SOIL
Media Affected Desc: Soil
Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: 30024, 3002502
Potential Description: TPH-diesel
Potential Description: TPH-MOTOR OIL
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
PastUse: MANUFACTURING - PAPER

ENVIROSTOR:

Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Cleanup
Acres: 10.28
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
Lead Agency: SMBRP
Program Manager: JANET NAITO
Supervisor: Barbara Cook
Division Branch: North Coast
Facility ID: 07990014
Site Code: 201534

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

INDUSTRIAL LOT WITH RAILROAD SIDING (Continued)

S106568193

Assembly: 11
 Senate: 07
 Special Program: Designation of Single Agency
 Status: Certified
 Status Date: 2006-03-06 00:00:00
 Restricted Use: NO
 Funding: Responsible Party
 Latitude: 38.0113
 Longitude: -121.7688
 Alias Name: 051-032-009-6
 201534
 INDUSTRIAL LOT WITH RAILROAD SIDING
 INDUSTRIAL LOT #2
 07990014
 Alias Type: Envirostor ID Number
 Alternate Name
 Project Code (Site Code)
 APN
 Alternate Name
 APN: 051-032-009-6
 APN Description: Not reported
 Comments: Voluntary Environmental Oversight Agreement Docket No. HSA-A
 03/04-084 signed with Gaylord Container Corporation, d/b/a Inland
 Paperboard and Packaging, Antioch Mill. Public Participation Plan
 approved for the nine Gaylord Mill and Non-Mill Properties. PEA
 completed and no further action is required. In accordance with Site
 Designation requirements, the site is certified. DTSC designated lead
 administering agency.
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 2006-03-06 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Participation Plan / Community Relations Plan
 Completed Date: 2004-10-25 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Certification
 Completed Date: 2006-03-06 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Conferences for SB 923 Sites
 Completed Date: 2004-01-29 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Clean-up Agreement
 Completed Date: 2003-12-30 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: AB 2061 - Designation
 Completed Date: 2003-12-15 00:00:00
 Confirmed: 30024,3002502
 Confirmed Description: TPH-diesel
 Confirmed Description: TPH-MOTOR OIL
 Future Area Name: Not reported
 Future Sub Area Name: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

INDUSTRIAL LOT WITH RAILROAD SIDING (Continued)

S106568193

Future Document Type: Not reported
 Future Due Date: Not reported
 Media Affected: SOIL
 Media Affected Desc: Soil
 Management Required: NONE SPECIFIED
 Management Required Desc: Not reported
 Potential: 30024, 3002502
 Potential Description: TPH-diesel
 Potential Description: TPH-MOTOR OIL
 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
 PastUse: MANUFACTURING - PAPER

22
 NE
 1/4-1/2
 2302 ft.

BRIDGEHEAD DRY DOCK INC.
30 FLEMING LN
ANTIOCH, CA 94509

CONTRA COSTA CO. SITE LIST
CA WDS

S102259886
N/A

Relative:
Lower

CONTRA COSTA CO. SITE LIST:
 Region: CONTRA COSTA
 Facility ID: 770931
 Facility Status: ACTIVE
 Tier: Not reported
 Program Status: HWG
 Generator Fee Item: No
 Inactive Date: Not reported

Actual:
4 ft.

CA WDS:
 Facility ID: 5S 07I010054
 Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
 Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
 Subregion: 0
 Facility Telephone: 9257577500
 Facility Contact: DONALD DOLLE
 Agency Name: BRIDGEHEAD DRY DOCK INC.
 Agency Address: 30 FLEMING LANE
 Agency City,St,Zip: ANTIOCH 94509
 Agency Contact: DONALD A DOLLE
 Agency Telephone: 9257577500
 Agency Type: Private
 SIC Code: 3732
 SIC Code 2: Not reported
 Primary Waste: Stormwater Runoff
 Primary Waste Type: Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
 Secondary Waste: Not reported
 Secondary Waste Type: Not reported
 Design Flow: 0

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

BRIDGEHEAD DRY DOCK INC. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Baseline Flow: 0
 Reclamation: No reclamation requirements associated with this facility.
 POTW: The facility is not a POTW.
 Treat To Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
 Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or those who must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.

S102259886

**D23
 ESE
 1/4-1/2
 2555 ft.**

**F T G CONSTRUCTION MATERIALS, INC
 3500 WILBUR AVE
 ANTIOCH, CA**

CONTRA COSTA CO. SITE LIST

**S105954610
 N/A**

Site 1 of 5 in cluster D

**Relative:
 Higher**

CONTRA COSTA CO. SITE LIST:
 Region: CONTRA COSTA
 Facility ID: 773264
 Facility Status: ACTIVE
 Tier: Not reported
 Program Status: HWG, Hmmp
 Generator Fee Item: No
 Inactive Date: Not reported

**Actual:
 15 ft.**

**D24
 ESE
 1/4-1/2
 2555 ft.**

**RAMROCK LEASING & EQUIPMENT CO INC
 3500 WILBUR AVE
 ANTIOCH, CA 94509**

**HAZNET
 CONTRA COSTA CO. SITE LIST**

**S102259983
 N/A**

Site 2 of 5 in cluster D

**Relative:
 Higher**

HAZNET:
 Gepaid: CAL000240145
 Contact: MICHAEL KIZER/OPERATIONS MGR
 Telephone: 2093344038
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 1508
 Mailing City, St, Zip: LODI, CA 952411508
 Gen County: Contra Costa
 TSD EPA ID: Not reported
 TSD County: Santa Clara
 Waste Category: Oil/water separation sludge
 Disposal Method: Recycler
 Tons: 1.14
 Facility County: Not reported

**Actual:
 15 ft.**

CONTRA COSTA CO. SITE LIST:
 Region: CONTRA COSTA
 Facility ID: 707684

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

RAMROCK LEASING & EQUIPMENT CO INC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Facility Status: ACTIVE
 Tier: Not reported
 Program Status: HWG, Hmmp
 Generator Fee Item: No
 Inactive Date: Not reported

S102259983

**D25
 ESE
 1/4-1/2
 2555 ft.**

**EAST BAY WELDING SUPPLY, INC
 3500 WILBUR AVE #D
 ANTIOCH, CA**

CONTRA COSTA CO. SITE LIST

**S102259984
 N/A**

Site 3 of 5 in cluster D

**Relative:
 Higher**

CONTRA COSTA CO. SITE LIST:
 Region: CONTRA COSTA
 Facility ID: 707757
 Facility Status: ACTIVE
 Tier: Not reported
 Program Status: Hmmp
 Generator Fee Item: No
 Inactive Date: Not reported

**Actual:
 15 ft.**

**D26
 ESE
 1/4-1/2
 2567 ft.**

**WILBUR EAST POWER PLANT
 3400 WILBUR AVE.
 ANTIOCH, CA 94509**

**AST A100110435
 N/A**

Site 4 of 5 in cluster D

**Relative:
 Higher**

AST:
 Owner: GWF POWER SYSTEMS CO., INC.
 Total Gallons: 46500

**Actual:
 18 ft.**

**D27
 ESE
 1/4-1/2
 2567 ft.**

**GWF POWER SYSTEMS LP
 3400 WILBUR AVENUE
 ANTIOCH, CA 94509**

**HAZNET
 CONTRA COSTA CO. SITE LIST
 EMI**

**1001610577
 N/A**

Site 5 of 5 in cluster D

**Relative:
 Higher**

HAZNET:
 Gepaid: CAL000025353
 Contact: GWF BAY AREA INC/MAN GEN PART
 Telephone: 0000000000
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 4300 RAILROAD AVE
 Mailing City,St,Zip: PITTSBURG, CA 945656006
 Gen County: 7
 TSD EPA ID: CAD059494310
 TSD County: Santa Clara
 Waste Category: Organic liquids with metals Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
 Disposal Method: Disposal, Other
 Tons: .0624
 Facility County: 7

**Actual:
 18 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

GWF POWER SYSTEMS LP (Continued)

1001610577

Gepaid: CAL000025353
Contact: GWF BAY AREA INC/MAN GEN PART
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 4300 RAILROAD AVE
Mailing City,St,Zip: PITTSBURG, CA 945656006
Gen County: 7
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: .2500
Facility County: 7

Gepaid: CAL000025353
Contact: GWF BAY AREA INC/MAN GEN PART
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 4300 RAILROAD AVE
Mailing City,St,Zip: PITTSBURG, CA 945656006
Gen County: 7
TSD EPA ID: CAT080011059
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: .0500
Facility County: 7

Gepaid: CAL000025353
Contact: GWF BAY AREA INC/MAN GEN PART
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 4300 RAILROAD AVE
Mailing City,St,Zip: PITTSBURG, CA 945656006
Gen County: 7
TSD EPA ID: CAT080011059
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Other
Tons: .1750
Facility County: 7

Gepaid: CAL000025353
Contact: MARK KEHOE/DIR ENV & SAFETY
Telephone: 9254311440
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 4300 RAILROAD AVE
Mailing City,St,Zip: PITTSBURG, CA 945656006
Gen County: Contra Costa
TSD EPA ID: CAT000646117
TSD County: Contra Costa
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EPA ID Number
EDR ID Number

GWF POWER SYSTEMS LP (Continued)

1001610577

Tons: 0.57
Facility County: 7

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

CONTRA COSTA CO. SITE LIST:

Region: CONTRA COSTA
Facility ID: 771388
Facility Status: ACTIVE
Tier: Not reported
Program Status: HWG, Hmmp, AGT, ARP
Generator Fee Item: No
Inactive Date: Not reported

EMI:

Year: 1990
Carbon Monoxide Emissions Tons/Yr: 7
Air Basin: SF
Facility ID: 3981
Air District Name: BA
SIC Code: 4911
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 19
Reactive Organic Gases Tons/Yr: 3
Carbon Monoxide Emissions Tons/Yr: 81
NOX - Oxides of Nitrogen Tons/Yr: 52
SOX - Oxides of Sulphur Tons/Yr: 78
Particulate Matter Tons/Yr: 11
Part. Matter 10 Micrometers & Smlr Tons/Yr: 6

Year: 1993
Carbon Monoxide Emissions Tons/Yr: 7
Air Basin: SF
Facility ID: 3981
Air District Name: BA
SIC Code: 4911
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0
Reactive Organic Gases Tons/Yr: 0
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 7
Part. Matter 10 Micrometers & Smlr Tons/Yr: 5

Year: 1995
Carbon Monoxide Emissions Tons/Yr: 7
Air Basin: SF
Facility ID: 3981
Air District Name: BA
SIC Code: 4911

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GWF POWER SYSTEMS LP (Continued)

1001610577

Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 24
 Reactive Organic Gases Tons/Yr: 20
 Carbon Monoxide Emissions Tons/Yr: 37
 NOX - Oxides of Nitrogen Tons/Yr: 32
 SOX - Oxides of Sulphur Tons/Yr: 26
 Particulate Matter Tons/Yr: 13
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 10

Year: 1996
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 3981
 Air District Name: BA
 SIC Code: 4911
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 24
 Reactive Organic Gases Tons/Yr: 20
 Carbon Monoxide Emissions Tons/Yr: 37
 NOX - Oxides of Nitrogen Tons/Yr: 32
 SOX - Oxides of Sulphur Tons/Yr: 26
 Particulate Matter Tons/Yr: 13
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 10

Year: 1997
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 3981
 Air District Name: BA
 SIC Code: 4911
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 24
 Reactive Organic Gases Tons/Yr: 20
 Carbon Monoxide Emissions Tons/Yr: 38
 NOX - Oxides of Nitrogen Tons/Yr: 33
 SOX - Oxides of Sulphur Tons/Yr: 27
 Particulate Matter Tons/Yr: 13
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 10

Year: 1998
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 3981
 Air District Name: BA
 SIC Code: 4911
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 18
 Reactive Organic Gases Tons/Yr: 15
 Carbon Monoxide Emissions Tons/Yr: 28

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

GWF POWER SYSTEMS LP (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1001610577

NOX - Oxides of Nitrogen Tons/Yr:	24
SOX - Oxides of Sulphur Tons/Yr:	19
Particulate Matter Tons/Yr:	9
Part. Matter 10 Micrometers & Smlr Tons/Yr:	7
Year: 1999	
Carbon Monoxide Emissions Tons/Yr:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	31
NOX - Oxides of Nitrogen Tons/Yr:	27
SOX - Oxides of Sulphur Tons/Yr:	22
Particulate Matter Tons/Yr:	7
Part. Matter 10 Micrometers & Smlr Tons/Yr:	3
Year: 2000	
Carbon Monoxide Emissions Tons/Yr:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4911
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	20
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	31
NOX - Oxides of Nitrogen Tons/Yr:	27
SOX - Oxides of Sulphur Tons/Yr:	22
Particulate Matter Tons/Yr:	7
Part. Matter 10 Micrometers & Smlr Tons/Yr:	3
Year: 2001	
Carbon Monoxide Emissions Tons/Yr:	7
Air Basin:	SF
Facility ID:	3981
Air District Name:	BA
SIC Code:	4931
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	25
Reactive Organic Gases Tons/Yr:	4
Carbon Monoxide Emissions Tons/Yr:	40
NOX - Oxides of Nitrogen Tons/Yr:	34
SOX - Oxides of Sulphur Tons/Yr:	27
Particulate Matter Tons/Yr:	9
Part. Matter 10 Micrometers & Smlr Tons/Yr:	4
Year: 2002	

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GWF POWER SYSTEMS LP (Continued)

1001610577

Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 3981
 Air District Name: BA
 SIC Code: 4911
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 23
 Reactive Organic Gases Tons/Yr: 3
 Carbon Monoxide Emissions Tons/Yr: 37
 NOX - Oxides of Nitrogen Tons/Yr: 32
 SOX - Oxides of Sulphur Tons/Yr: 25
 Particulate Matter Tons/Yr: 2
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 1

Year: 2003
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 3981
 Air District Name: BA
 SIC Code: 4911
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 23
 Reactive Organic Gases Tons/Yr: 3
 Carbon Monoxide Emissions Tons/Yr: 36
 NOX - Oxides of Nitrogen Tons/Yr: 32
 SOX - Oxides of Sulphur Tons/Yr: 25
 Particulate Matter Tons/Yr: 8
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 4

Year: 2004
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 3981
 Air District Name: BA
 SIC Code: 4911
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 23.6
 Reactive Organic Gases Tons/Yr: 3.4386857
 Carbon Monoxide Emissions Tons/Yr: 36.904
 NOX - Oxides of Nitrogen Tons/Yr: 32.353
 SOX - Oxides of Sulphur Tons/Yr: 25.536
 Particulate Matter Tons/Yr: 8.271
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 4.121632

Year: 2005
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 3981
 Air District Name: BA
 SIC Code: 4911
 Air District Name: BAY AREA AQMD

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GWF POWER SYSTEMS LP (Continued)

1001610577

Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 25.788
 Reactive Organic Gases Tons/Yr: 3.7323926
 Carbon Monoxide Emissions Tons/Yr: 40.269
 NOX - Oxides of Nitrogen Tons/Yr: 34.891
 SOX - Oxides of Sulphur Tons/Yr: 28.687
 Particulate Matter Tons/Yr: 8.947
 Part. Matter 10 Micrometers & Smllr Tons/Yr: 4.441032

28
WSW
1/2-1
2773 ft.

ANTIOCH PAVING COMPANY
2540 WILBUR AVE
ANTIOCH, CA 94509

HAZNET **S102259981**
LUST **N/A**

Cortese
CONTRA COSTA CO. SITE LIST

Relative:
Higher

Actual:
32 ft.

HAZNET:

Gepaid: CAL000058335
 Contact: ANTIOCH PAVING CO INC
 Telephone: 0000000000
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 1669
 Mailing City,St,Zip: ANTIOCH, CA 945090166
 Gen County: 7
 TSD EPA ID: CAT080011059
 TSD County: Los Angeles
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Disposal, Other
 Tons: .6255
 Facility County: 7

Gepaid: CAL000058335
 Contact: PAUL NEW
 Telephone: 9257570123
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 1669
 Mailing City,St,Zip: ANTIOCH, CA 945090166
 Gen County: Contra Costa
 TSD EPA ID: CAT080033681
 TSD County: Contra Costa
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Not reported
 Tons: 0.1
 Facility County: 7

Gepaid: CAL000058335
 Contact: PAUL NEW
 Telephone: 9257570123
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: PO BOX 1669
 Mailing City,St,Zip: ANTIOCH, CA 945090166
 Gen County: Contra Costa
 TSD EPA ID: CAT080033681
 TSD County: Contra Costa
 Waste Category: Off-specification, aged, or surplus organics
 Disposal Method: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ANTIOCH PAVING COMPANY (Continued)

S102259981

Tons: 0.1
Facility County: 7

Gepaid: CAL000058335
Contact: PAUL NEW
Telephone: 9257570123
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 1669
Mailing City,St,Zip: ANTIOCH, CA 945090166
Gen County: Contra Costa
TSD EPA ID: CAT080033681
TSD County: Contra Costa
Waste Category: Unspecified organic liquid mixture
Disposal Method: Disposal, Land Fill
Tons: 0.29
Facility County: 7

Gepaid: CAL000058335
Contact: CHRIS ALLISON
Telephone: 9257570123
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 1669
Mailing City,St,Zip: ANTIOCH, CA 945090166
Gen County: Contra Costa
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Tons: 0.1
Facility County: Not reported

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

LUST:

Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: None Taken
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: UNK
Leak Source: UNK
Global Id: T0601300794
Stop Date: Not reported
Confirm Leak: 1994-08-25 00:00:00
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 2000-02-09 00:00:00
Discover Date: 1994-08-25 00:00:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

ANTIOCH PAVING COMPANY (Continued)

S102259981

Enforcement Dt: 2000-01-11 00:00:00
Release Date: 1994-09-30 00:00:00
Review Date: 1997-12-19 00:00:00
Enter Date: 1994-11-22 00:00:00
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 07
Org Name: Not reported
Reg Board: 5S
Status: Case Closed
Chemical: Hydrocarbons
Contact Person: Not reported
Responsible Party: ANTIOCH PAVING COMPANY
RP Address: 2540 WILBER AVE, ANTIOCH, CA 94509
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: PMV
Staff Initials: BRU
Lead Agency: Local Agency
Local Agency: 07000
Hydr Basin #: SAN JOAQUIN VALLEY (
Beneficial: Not reported
Priority: 3
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: Not reported
Case Number: 030075
Qty Leaked: Not reported
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

LUST:

Region: 5
Case Number: 030075
Staff Initials: PMV
Substance: HYDROCARBONS
Case Type: Soil only
Status: Case Closed
Lead Agency: Local
Program: LUST
MTBE Code: N/A

Cortese:

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

ANTIOCH PAVING COMPANY (Continued)

S102259981

Region: CORTESE
 Facility Addr2: 2540 WILBUR AVE

CONTRA COSTA CO. SITE LIST:

Region: CONTRA COSTA
 Facility ID: 738072
 Facility Status: ACTIVE
 Tier: Not reported
 Program Status: HWG, Hmmp
 Generator Fee Item: No
 Inactive Date: Not reported

E29
WSW
 1/2-1
 3480 ft.

MILITARY FAMILY HOUSING
 2300 WILBUR
 ANTIOCH, CA 94509

Cortese **S105022533**
N/A

Relative:
Higher

Site 1 of 3 in cluster E

Cortese:
 Region: CORTESE
 Facility Addr2: Not reported

Actual:
 32 ft.

E30
WSW
 1/2-1
 3545 ft.

GAYLORD CONTAINER CORPORATION
 2301 WILBUR AVENUE
 ANTIOCH, CA 94509

PADS **1000290838**
FINDS **CAD009148180**
RCRA-LQG
AST
CERC-NFRAP
CA WDS

Relative:
Higher

Site 2 of 3 in cluster E

FINDS:
 Other Pertinent Environmental Activity Identified at Site

Actual:
 32 ft.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

California - Hazardous Waste Tracking System - Datamart

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

GAYLORD CONTAINER CORPORATION (Continued)

1000290838

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

RCRAInfo:

Owner: GAYLORD CONTAINER CORP
 (847) 405-5500

EPA ID: CAD009148180

Contact: Not reported

Classification: Large Quantity Generator

TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	12/06/1991
Actual Date Achieved Compliance:	03/03/1992
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/23/1991
Penalty Type:	Not reported

There are 1 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	19920303

AST:

Owner: GAYLORD CONTAINER CORP.
 Total Gallons: 106600

CERC-NFRAP:

Site ID: 0901170

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GAYLORD CONTAINER CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000290838

Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):

Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096
Contact Title: Site Assessment Manager (SAM)

Contact Name: Jere Johnson
Contact Tel: (415) 972-3094
Contact Title: Site Assessment Manager (SAM)

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: CROWN ZELLERBACH INC FLEXIBLE PKG DIV
Alias Address: Not reported
CA
Alias Name: BLACK LIQUOR POND
Alias Address: Not reported
CA
Alias Name: BLACK SEA
Alias Address: Not reported
CA

Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 12/01/1979
Priority Level: Not reported

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 04/01/1985
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 04/01/1985
Priority Level: NFRAP (No Further Remedial Action Planned)

CA WDS:

Facility ID: Sacramento-San Joaquin Delta 072039001
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
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: 9257793200
Facility Contact: DIANA HOGAN
Agency Name: GAYLORD CONTAINER CORPORATION

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

GAYLORD CONTAINER CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000290838

Agency Address: 2301 WILBUR AVE
Agency City,St,Zip: ANTIOCH 94509
Agency Contact: HENRY THATCHER
Agency Telephone: 9257793200
Agency Type: Private
SIC Code: 2631
SIC Code 2: Not reported
Primary Waste: Process Waste (Waste produced as part of the industrial/manufacturing process)
Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Design Flow: 15
Baseline Flow: 12
Reclamation: No reclamation requirements associated with this facility.
POTW: The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.
Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Facility ID: Sacramento-San Joaquin Delta 072039001
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
NPDES Number: CA0004847 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 0
Facility Telephone: 9257793200
Facility Contact: DIANA HOGAN
Agency Name: GAYLORD CONTAINER CORPORATION
Agency Address: 2301 WILBUR AVE
Agency City,St,Zip: ANTIOCH 94509
Agency Contact: HENRY THATCHER
Agency Telephone: 9257793200
Agency Type: Private
SIC Code: 2631
SIC Code 2: Not reported
Primary Waste: Process Waste (Waste produced as part of the industrial/manufacturing process)

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

GAYLORD CONTAINER CORPORATION (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000290838

Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.

Secondary Waste: Not reported

Secondary Waste Type: Not reported

Design Flow: 15

Baseline Flow: 12

Reclamation: No reclamation requirements associated with this facility.

POTW: The POTW Does not have an approved pretreatment program. Some POTWs may have local pretreatment programs that have not been approved by the regional board and/or EPA.

Treat To Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.

Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.

Facility ID: 5S 07I017613

Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.

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: 9257793200

Facility Contact: HENRY THATCHER

Agency Name: GAYLORD CONTAINER CORPORATION

Agency Address: 2301 WILBUR AVE

Agency City,St,Zip: ANTIOCH 94509

Agency Contact: HENRY THATCHER

Agency Telephone: 9257793200

Agency Type: Private

SIC Code: 0

SIC Code 2: Not reported

Primary Waste: 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

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

GAYLORD CONTAINER CORPORATION (Continued)

EDR ID Number
 EPA ID Number

1000290838

Complexity: 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.
 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.

E31
WSW
1/2-1
3545 ft.

WEST MILL
2301 WILBUR AVENUE
ANTIOCH, CA 94509

VCP S106152508
ENVIROSTOR N/A

Site 3 of 3 in cluster E

Relative:
Higher

Actual:
32 ft.

VCP:
 Facility ID: 07260002
 Site Type: Voluntary Cleanup
 Site Type Detail: Voluntary Cleanup
 Acres: 27.7
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
 Lead Agency: SMBRP
 Lead Agency Description: Not reported
 Project Manager: JANET NAITO
 Supervisor: Barbara Cook
 Division Branch: North Coast
 Site Code: 201535
 Assembly: 11
 Senate: 07
 Special Programs Code: Designation of Single Agency
 Status: Active
 Status Date: 2004-01-27 00:00:00
 Restricted Use: NO
 Funding: Responsible Party
 Lat/Long: 38.0139 / -121.7753
 Alias Name: 07260002
 WEST MILL
 201535
 051-020-006-6
 Alias Type: Envirostor ID Number
 Project Code (Site Code)
 APN
 Alternate Name
 APN: 051-020-006-6
 APN Description: Not reported
 Comments: PEA Workplan approved with modifications Public Participation Plan approved for nine Gaylord Mill and Non-Mill properties in Antioch. Held site conference pursuant to H&SC Section 25398.2. Voluntary Environmental Oversight Agreement Docket No. HSA-A 03/04-084 signed with Gaylord Container Corporation, d/b/a Inland Paperboard and Packaging, Antioch Mill.
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Workplan
 Completed Date: 2006-03-13 00:00:00
 Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WEST MILL (Continued)

S106152508

Completed Sub Area Name: Not reported
Completed Document Type: Other Workplan
Completed Date: 2006-04-19 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 2004-10-25 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 2006-03-16 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 2004-01-29 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Clean-up Agreement
Completed Date: 2003-12-30 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation
Completed Date: 2003-12-15 00:00:00
Confirmed: 30024,3002502
Confirmed Description: TPH-diesel
Confirmed Description: TPH-MOTOR OIL
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Preliminary Endangerment Assessment Report
Future Due Date: 2007
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2008
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2008
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2008
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: CEQA - Notice of Exemption
Future Due Date: 2007
Media Affected: SOIL
Media Affected Desc: Soil
Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: 30024, 3002502
Potential Description: TPH-diesel
Potential Description: TPH-MOTOR OIL

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

WEST MILL (Continued)

S106152508

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
 PastUse: MANUFACTURING - PAPER

ENVIROSTOR:

Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 27.7
 NPL: NO
 Regulatory Agencies: SMBRP, RWQCB 5S - Central Valley, CONTRA COSTA COUNTY
 Lead Agency: SMBRP
 Program Manager: JANET NAITO
 Supervisor: Barbara Cook
 Division Branch: North Coast
 Facility ID: 07260002
 Site Code: 201535
 Assembly: 11
 Senate: 07
 Special Program: Designation of Single Agency
 Status: Active
 Status Date: 2004-01-27 00:00:00
 Restricted Use: NO
 Funding: Responsible Party
 Latitude: 38.0139
 Longitude: -121.7753
 Alias Name: 07260002
 WEST MILL
 201535
 051-020-006-6
 Alias Type: Envirostor ID Number
 Project Code (Site Code)
 APN
 Alternate Name
 APN: 051-020-006-6
 APN Description: Not reported
 Comments: PEA Workplan approved with modificationsPublic Participation Plan approved for nine Gaylord Mill and Non-Mill properties in Antioch.Held site conference pursuant to H&SC Section 25398.2.Voluntary Environmental Oversight Agreement Docket No. HSA-A 03/04-084 signed with Gaylord Container Corporation, d/b/a Inland Paperboard and Packaging, Antioch Mill.
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Workplan
 Completed Date: 2006-03-13 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Other Workplan
 Completed Date: 2006-04-19 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Public Participation Plan / Community Relations Plan
 Completed Date: 2004-10-25 00:00:00
 Completed Area Name: PROJECT WIDE

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

WEST MILL (Continued)

S106152508

Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 2006-03-16 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Conferences for SB 923 Sites
Completed Date: 2004-01-29 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Voluntary Clean-up Agreement
Completed Date: 2003-12-30 00:00:00
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: AB 2061 - Designation
Completed Date: 2003-12-15 00:00:00
Confirmed: 30024,3002502
Confirmed Description: TPH-diesel
Confirmed Description: TPH-MOTOR OIL
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Preliminary Endangerment Assessment Report
Future Due Date: 2007
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Workplan
Future Due Date: 2008
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Removal Action Completion Report
Future Due Date: 2008
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Deed Restriction / Land Use Covenant
Future Due Date: 2009
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: Certification
Future Due Date: 2008
Future Area Name: PROJECT WIDE
Future Sub Area Name: Not reported
Future Document Type: CEQA - Notice of Exemption
Future Due Date: 2007
Media Affected: SOIL
Media Affected Desc: Soil
Management Required: NONE SPECIFIED
Management Required Desc: Not reported
Potential: 30024, 3002502
Potential Description: TPH-diesel
Potential Description: TPH-MOTOR OIL
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
PastUse: MANUFACTURING - PAPER

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

32 **NEW BRIDGE MARINA**
East **6325 BRIDGEHEAD RD**
1/2-1 **ANTIOCH, CA 94509**
3669 ft.

HAZNET **S103979159**
LUST **N/A**
Cortese

Relative:
Higher

HAZNET:

Gepaid: CAC001371960
 Contact: NEW BRIDGE MARINA
 Telephone: 6503285776
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 6325 BRIDGEHEAD RD
 Mailing City,St,Zip: ANTIOCH, CA 945090000
 Gen County: 7
 TSD EPA ID: CAD099452708
 TSD County: Los Angeles
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Recycler
 Tons: 0.6255
 Facility County: 7

Actual:
14 ft.

Gepaid: CAC001371960
 Contact: NEW BRIDGE MARINA
 Telephone: 6503285776
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 6325 BRIDGEHEAD RD
 Mailing City,St,Zip: ANTIOCH, CA 945090000
 Gen County: 7
 TSD EPA ID: CAD099452708
 TSD County: Los Angeles
 Waste Category: Unspecified oil-containing waste
 Disposal Method: Recycler
 Tons: 1.0842
 Facility County: 7

LUST:

Region: STATE
 Case Type: Drinking Water Aquifer affected
 Cross Street: WILBER AVE
 Enf Type: TC
 Funding: Not reported
 How Discovered: Tank Closure
 How Stopped: Not reported
 Leak Cause: UNK
 Leak Source: UNK
 Global Id: T0601300810
 Stop Date: Not reported
 Confirm Leak: 1998-11-25 00:00:00
 Workplan: Not reported
 Prelim Assess: 1999-03-19 00:00:00
 Pollution Char: Not reported
 Remed Plan: 2003-08-29 00:00:00
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: Not reported
 Discover Date: 1999-03-19 00:00:00
 Enforcement Dt: 2000-10-06 00:00:00
 Release Date: 2000-01-13 00:00:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NEW BRIDGE MARINA (Continued)

S103979159

Review Date: 2002-01-03 00:00:00
Enter Date: 2000-01-13 00:00:00
MTBE Date: 2000-04-26 00:00:00
GW Qualifier: =
Soil Qualifier: =
Max MTBE GW ppb: 9520.00
Max MTBE Soil ppb: 730
County: 07
Org Name: Not reported
Reg Board: 5S
Status: Remediation Plan
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: NEW BRIDGE MARINA
RP Address: 6325 BRIDGEHEAD RD, ANTIOCH, CA 94509
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: B
MTBE Conc: 9
MTBE Fuel: 1
MTBE Tested: MTBE Detected. Site tested for MTBE and MTBE detected
Staff: PMV
Staff Initials: BRU
Lead Agency: Regional Board
Local Agency: 07000
Hydr Basin #: SAN JOAQUIN VALLEY (
Beneficial: Not reported
Priority: 1
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: Not reported
Case Number: 070093
Qty Leaked: Not reported
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

LUST:

Region: 5
Case Number: 070093
Staff Initials: PMV
Substance: GASOLINE
Case Type: Drinking Water Aquifer affected
Status: Remediation Plan
Lead Agency: Regional
Program: LUST
MTBE Code: 7

Cortese:

Region: CORTESE
Facility Addr2: 6325 BRIDGEHEAD RD

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

33
SW
1/2-1
3748 ft.

LAURITZEN YACHT HARBOR
RTE 1
ANTIOCH, CA 94509

LUST **S101294049**
Cortese **N/A**

Relative:
Higher

LUST:

Actual:
40 ft.

Region: STATE
 Case Type: Soil only
 Cross Street: BRIDGEHEAD RD
 Enf Type: None Taken
 Funding: Not reported
 How Discovered: Inventory Control
 How Stopped: Not reported
 Leak Cause: Structure Failure
 Leak Source: Tank
 Global Id: T0601300777
 Stop Date: 1987-12-28 00:00:00
 Confirm Leak: 1988-01-02 00:00:00
 Workplan: Not reported
 Prelim Assess: Not reported
 Pollution Char: Not reported
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: 1997-12-02 00:00:00
 Discover Date: 1987-12-11 00:00:00
 Enforcement Dt: 1965-01-01 00:00:00
 Release Date: 1988-01-02 00:00:00
 Review Date: 1997-12-04 00:00:00
 Enter Date: 1991-01-29 00:00:00
 MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Max MTBE GW ppb: Not reported
 Max MTBE Soil ppb: Not reported
 County: 07
 Org Name: Not reported
 Reg Board: 5S
 Status: Case Closed
 Chemical: Gasoline
 Contact Person: Not reported
 Responsible Party: LAURITZEN YACHT HARBOR
 RP Address: ROUTE 1 BOX 515, ANTIOCH, CA 94509
 Interim: Not reported
 Oversight Prgm: LUST
 MTBE Class: *
 MTBE Conc: 0
 MTBE Fuel: 1
 MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
 Staff: PMV
 Staff Initials: BRU
 Lead Agency: Regional Board
 Local Agency: 07000
 Hydr Basin #: SAN JOAQUIN VALLEY (
 Beneficial: Not reported
 Priority: 2
 Cleanup Fund Id: Not reported
 Work Suspended: No
 Local Case #: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LAURITZEN YACHT HARBOR (Continued)

S101294049

Case Number: 070054
Qty Leaked: Not reported
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: A 2000 GAL TANK REMOVED DEC'87 & A 1000 GAL TANK REMOVED IN '89. CONTAM SOIL AERATED ON SITE. A NEW 6000 GAL TANK WAS INSTALLED IN JUL'89. ANY REMAINING HC'S POSE NO THREAT TO GW.....

Region: STATE
Case Type: Soil only
Cross Street: Not reported
Enf Type: None Taken
Funding: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Leak Cause: Not reported
Leak Source: UNK
Global Id: T0601300786
Stop Date: Not reported
Confirm Leak: 1991-10-31 00:00:00
Workplan: Not reported
Prelim Assess: Not reported
Pollution Char: 1991-10-15 00:00:00
Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1997-12-02 00:00:00
Discover Date: 1991-10-15 00:00:00
Enforcement Dt: 1965-01-01 00:00:00
Release Date: 1991-10-31 00:00:00
Review Date: 1997-12-03 00:00:00
Enter Date: 1992-03-30 00:00:00
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 07
Org Name: Not reported
Reg Board: 5S
Status: Case Closed
Chemical: Gasoline
Contact Person: Not reported
Responsible Party: LLOYD'S HOLIDAY HARBOR
RP Address: ROUTE 1 553 WILBUR AVE,ANTIOCH,CA 94509
Interim: Not reported
Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: PMV

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

LAURITZEN YACHT HARBOR (Continued)

S101294049

Staff Initials: MAR
Lead Agency: Regional Board
Local Agency: 07000
Hydr Basin #: SAN JOAQUIN VALLEY (
Beneficial: Not reported
Priority: 2
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: Not reported
Case Number: 070067
Qty Leaked: Not reported
Abate Method: Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming)
Operator: MIKE FLEMING
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: ONE 1000 & A 2000 GAL GAS TANKS WERE REMOVE OCT'91. SAMPLES WERE ND FOR TPH BUT TOLUENE WAS UP TO 45 UG/KG. CONTAM SOIL WAS AERATED ON SITE. GW WAS NOT ENCOUNTERED.....

LUST:

Region: 5
Case Number: 070067
Staff Initials: PMV
Substance: GASOLINE
Case Type: Soil only
Status: Case Closed
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

Region: 5
Case Number: 070054
Staff Initials: PMV
Substance: GASOLINE
Case Type: Soil only
Status: Case Closed
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

Cortese:

Region: CORTESE
Facility Addr2: RTE 1

Region: CORTESE
Facility Addr2: RTE 1

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

F34
ESE
1/2-1
3852 ft.

E. I. DUPONT DE NEMOURS & CO
6000 BRIDGEHEAD RD
ANTIOCH, CA 94509

Site 1 of 6 in cluster F

FINDS
RCRA-LQG
RCRA-TSDF
CORRACTS
CERC-NFRAP
HIST UST

1000111309
CAD009151671

Relative:
Higher

FINDS:

Actual:
20 ft.

Other Pertinent Environmental Activity Identified at Site

California - Hazardous Waste Tracking System - Datamart

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

NJ-NJEMS (New Jersey - New Jersey Environmental Management System). The Department of Environmental Protection (NJDEP) manages large databases of environmental information in this integrated system.

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

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

RCRAInfo Corrective Action Summary:

- Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.
- Event Date: 05/04/2005
- Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.
- Event Date: 05/04/2005
- Event: RFI Workplan Approved
- Event Date: 07/26/2004
- Event: RFI Workplan Approved
- Event Date: 07/09/2004
- Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.
- Event Date: 01/10/2001
- Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.
- Event Date: 01/10/2001
- Event: Igration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected.
- Event Date: 10/08/1997
- Event: Stabilization Measures Evaluation,This facility is amenable to stabilization activity based on the status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations.
- Event Date: 10/08/1997
- Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.
- Event Date: 02/10/1995

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

E. I. DUPONT DE NEMOURS & CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000111309

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event Date: 01/01/1995

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event Date: 01/01/1995

Event: Stabilization Measures Implemented, Groundwater extraction and treatment (e.g., to achieve groundwater containment, to achieve MCL).

Event Date: 06/30/1994

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event Date: 11/23/1988

Event: Stabilization Construction Completed

Event Date: 09/25/1985

Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event Date: 01/28/1985

Event: RFI Approved

Event Date: 02/20/1984

Event: RFI Workplan Approved

Event Date: 01/10/1983

Event: RFI Imposition

Event Date: 01/01/1983

RCRAInfo:

Owner: E I DU PONT DE NEMOURS & CO INC
(302) 774-3788

EPA ID: CAD009151671

Contact: Not reported

Classification: Large Quantity Generator, TSDF

TSDF Activities: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Violation Status: Violations exist

Regulation Violated:	264.190-201.J
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	05/14/1996
Actual Date Achieved Compliance:	06/14/1996
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/14/1996
Penalty Type:	Not reported
Regulation Violated:	262.30-34.C
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	05/14/1996
Actual Date Achieved Compliance:	05/14/1996
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/14/1996
Penalty Type:	Not reported
Regulation Violated:	262.50-60
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	05/14/1996
Actual Date Achieved Compliance:	05/14/1996
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/14/1996
Penalty Type:	Not reported
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/28/1994
Actual Date Achieved Compliance:	09/28/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/04/1994
Penalty Type:	Not reported
Regulation Violated:	262.50-60
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/28/1994
Actual Date Achieved Compliance:	11/03/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/04/1994
Penalty Type:	Not reported
Regulation Violated:	264.190-201.J
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/28/1994
Actual Date Achieved Compliance:	11/03/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/04/1994
Penalty Type:	Not reported
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	09/28/1994
Actual Date Achieved Compliance:	09/28/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	10/04/1994
Penalty Type:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

E. I. DUPONT DE NEMOURS & CO (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000111309

Regulation Violated:	264.190-201.J
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/03/1994
Actual Date Achieved Compliance:	11/03/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/07/1994
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/30/1994
Penalty Type:	Proposed Monetary Penalty
Regulation Violated:	262.50-60
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/03/1994
Actual Date Achieved Compliance:	11/03/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/07/1994
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/30/1994
Penalty Type:	Proposed Monetary Penalty
Regulation Violated:	264.10-18.B
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	02/03/1994
Actual Date Achieved Compliance:	09/28/1994
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/07/1994
Penalty Type:	Proposed Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	06/30/1994
Penalty Type:	Proposed Monetary Penalty
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	12/11/1990
Actual Date Achieved Compliance:	01/11/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	01/11/1991
Penalty Type:	Not reported
Regulation Violated:	264.70-77.E
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/27/1989
Actual Date Achieved Compliance:	12/11/1990
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	01/25/1990
Penalty Type:	Not reported
Enforcement Action:	FINAL CONSENT DECREES
Enforcement Action Date:	09/11/1991
Penalty Type:	Not reported
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	11/27/1989

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

E. I. DUPONT DE NEMOURS & CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000111309

Actual Date Achieved Compliance: 12/11/1990
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/25/1990
Penalty Type: Not reported
Enforcement Action: FINAL CONSENT DECREES
Enforcement Action Date: 09/11/1991
Penalty Type: Not reported
Regulation Violated: 264.110-120.G
Area of Violation: TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined: 11/27/1989
Actual Date Achieved Compliance: 12/11/1990
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/25/1990
Penalty Type: Not reported
Enforcement Action: FINAL CONSENT DECREES
Enforcement Action Date: 09/11/1991
Penalty Type: Not reported
Regulation Violated: 270
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/30/1988
Actual Date Achieved Compliance: 01/11/1991
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/06/1989
Penalty Type: Not reported
Enforcement Action: FINAL CONSENT DECREES
Enforcement Action Date: 09/11/1991
Penalty Type: Not reported
Regulation Violated: 264.110-120.G
Area of Violation: TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined: 11/30/1988
Actual Date Achieved Compliance: 12/11/1990
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/06/1989
Penalty Type: Not reported
Enforcement Action: FINAL CONSENT DECREES
Enforcement Action Date: 09/11/1991
Penalty Type: Not reported
Regulation Violated: 264.140-150.H
Area of Violation: TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined: 11/01/1988
Actual Date Achieved Compliance: 03/21/1989
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/28/1988
Penalty Type: Not reported
Regulation Violated: 268.7
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 03/31/1988
Actual Date Achieved Compliance: 03/21/1989
Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/03/1988

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

E. I. DUPONT DE NEMOURS & CO (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000111309

Penalty Type:	Not reported
Enforcement Action:	FINAL CONSENT DECREES
Enforcement Action Date:	09/11/1991
Penalty Type:	Not reported
Regulation Violated:	268 ALL
Area of Violation:	TSD-LAND BAN REQUIREMENTS
Date Violation Determined:	03/31/1988
Actual Date Achieved Compliance:	03/21/1989
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/03/1988
Penalty Type:	Not reported
Enforcement Action:	FINAL CONSENT DECREES
Enforcement Action Date:	09/11/1991
Penalty Type:	Not reported
Regulation Violated:	264.90-94.F
Area of Violation:	TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	03/29/1988
Actual Date Achieved Compliance:	03/21/1989
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/03/1988
Penalty Type:	Not reported
Enforcement Action:	FINAL CONSENT DECREES
Enforcement Action Date:	09/11/1991
Penalty Type:	Not reported
Regulation Violated:	264.110-120.G
Area of Violation:	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined:	03/29/1988
Actual Date Achieved Compliance:	03/21/1989
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/03/1988
Penalty Type:	Not reported
Enforcement Action:	FINAL CONSENT DECREES
Enforcement Action Date:	09/11/1991
Penalty Type:	Not reported
Regulation Violated:	270
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/29/1988
Actual Date Achieved Compliance:	03/21/1989
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/03/1988
Penalty Type:	Not reported
Enforcement Action:	FINAL CONSENT DECREES
Enforcement Action Date:	09/11/1991
Penalty Type:	Not reported

Penalty Summary:			
Penalty Description	Penalty Date	Penalty Amount	Lead Agency
-----	-----	-----	-----
Proposed Monetary Penalty	6/30/1994	200000	STATE

There are 22 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
-------------------	--------------------------	---------------------------

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

EDR ID Number
 EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT) TSD-OTHER REQUIREMENTS (OVERSIGHT)	19960514 19960614
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT) TSD-OTHER REQUIREMENTS (OVERSIGHT) GENERATOR-ALL REQUIREMENTS (OVERSIGHT) TSD-OTHER REQUIREMENTS (OVERSIGHT)	19960514 19940928 19941103 19941103
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT) TSD-OTHER REQUIREMENTS (OVERSIGHT) TSD-OTHER REQUIREMENTS (OVERSIGHT)	19940928 19941103 19940928
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT) TSD-OTHER REQUIREMENTS (OVERSIGHT) GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19941103 19940928 19941103
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19910111
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT) TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-OTHER REQUIREMENTS (OVERSIGHT)	19901211 19901211 19901211
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT) TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19910111 19901211
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19890321
Other Evaluation	TSD-LAND BAN REQUIREMENTS GENERATOR-LAND BAN REQUIREMENTS	19890321 19890321
Compliance Evaluation Inspection	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS TSD-GOUNDWATER MONITORING REQUIREMENTS TSD-OTHER REQUIREMENTS (OVERSIGHT)	19890321 19890321 19890321

CORRACTS:

EPA ID: CAD009151671
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 01/01/1983
 Action: CA100 - RFI Imposition
 NAICS Code(s): 325131
 Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 01/01/1995
 Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
 NAICS Code(s): 325131
 Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 01/01/1995
 Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
 NAICS Code(s): 325131
 Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 01/10/1983
 Action: CA150 - RFI Workplan Approved
 NAICS Code(s): 325131

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

E. I. DUPONT DE NEMOURS & CO (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000111309

Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 01/10/2001
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected

NAICS Code(s): 325131
Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 01/10/2001
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified

NAICS Code(s): 325131
Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 01/28/1985
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 325131
Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 02/10/1995
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations

NAICS Code(s): 325131
Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 02/20/1984
Action: CA200 - RFI Approved

NAICS Code(s): 325131
Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 05/04/2005

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes,
 Migration of Contaminated Groundwater Under Control has been verified
 NAICS Code(s): 325131
 Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
 EPA Region: 09
 Area Name: FLOURIDE & IRON CHLORIDE SYST.
 Actual Date: 06/30/1994
 Action: CA600GW - Stabilization Measures Implemented, Groundwater extraction
 and treatment
 NAICS Code(s): 325131
 Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 06/30/1994
 Action: CA600GW - Stabilization Measures Implemented, Groundwater extraction
 and treatment
 NAICS Code(s): 325131
 Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 07/09/2004
 Action: CA150 - RFI Workplan Approved
 NAICS Code(s): 325131
 Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 07/26/2004
 Action: CA150 - RFI Workplan Approved
 NAICS Code(s): 325131
 Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 09/25/1985
 Action: CA650 - Stabilization Construction Completed
 NAICS Code(s): 325131
 Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
 EPA Region: 09
 Area Name: ENTIRE FACILITY
 Actual Date: 10/08/1997
 Action: CA225YE - Stabilization Measures Evaluation, This facility ,is
 amenable to stabilization activity based on the, status of corrective
 action work at the facility, technical factors, the degree of risk,
 timing considerations and administrative considerations
 NAICS Code(s): 325131
 Inorganic Dye and Pigment Manufacturing

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

E. I. DUPONT DE NEMOURS & CO (Continued)

EDR ID Number
EPA ID Number

1000111309

EPA ID: CAD009151671
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 10/08/1997
Action: CA750NO - Migration of Contaminated Groundwater under Control, Unacceptable migration of contaminated groundwater is observed or expected
NAICS Code(s): 325131
Inorganic Dye and Pigment Manufacturing

EPA ID: CAD009151671
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 11/23/1988
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s): 325131
Inorganic Dye and Pigment Manufacturing

CERC-NFRAP:
Site ID: 0901175
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):
Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096
Contact Title: Site Assessment Manager (SAM)

Contact Name: Jere Johnson
Contact Tel: (415) 972-3094
Contact Title: Site Assessment Manager (SAM)

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: DUPONT ANTIOCH WORKS
Alias Address: Not reported
CA
Site Description: Not reported

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/01/1979
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 03/01/1985
Priority Level: High

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 03/01/1985
Priority Level: High

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 11/23/1988
Priority Level: Deferred to RCRA (Subtitle C)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 09/13/1990
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 09/13/1990
Priority Level: NFRAP (No Further Remedial Action Planned)

HIST UST:

Region: STATE
Facility ID: 00000008471
Tank Num: 001
Container Num: 101
Year Installed: 1969
Tank Capacity: 00751000
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 4 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 002
Container Num: 102
Year Installed: 1971
Tank Capacity: 02478000
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 4 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 003

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Container Num: 103
Year Installed: 1972
Tank Capacity: 02260000
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 4 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 004
Container Num: 104
Year Installed: 1956
Tank Capacity: 01870000
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 120 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 005
Container Num: 105
Year Installed: 1956
Tank Capacity: 01870000
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 120 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 006

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Container Num: 106
Year Installed: 1956
Tank Capacity: 00001500
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 007
Container Num: 107
Year Installed: 1972
Tank Capacity: 00003800
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 8 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 008
Container Num: 111
Year Installed: 1974
Tank Capacity: 00001400
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 009

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Container Num: 112
Year Installed: 1956
Tank Capacity: 00006227
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: Not reported
Type of Fuel: Not reported
Tank Construction: 10 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 010
Container Num: 113
Year Installed: 1967
Tank Capacity: 00019400
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: Not reported
Type of Fuel: Not reported
Tank Construction: 10 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 011
Container Num: 114
Year Installed: 1965
Tank Capacity: 00048800
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: Not reported
Type of Fuel: Not reported
Tank Construction: 12 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 012

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Container Num: 115
Year Installed: 1956
Tank Capacity: 00004320
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: Not reported
Type of Fuel: Not reported
Tank Construction: 8 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 013
Container Num: 201
Year Installed: 1961
Tank Capacity: 00002400
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 2 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 014
Container Num: 202
Year Installed: 1979
Tank Capacity: 00000540
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 0.5 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 015

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Container Num: 301
Year Installed: 1962
Tank Capacity: 01000000
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 016
Container Num: 302
Year Installed: 1965
Tank Capacity: 01000000
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: Not reported
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 017
Container Num: 303
Year Installed: 1982
Tank Capacity: 00042500
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 8 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 018

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Container Num: 304
Year Installed: 1971
Tank Capacity: 00035400
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 8 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 019
Container Num: 305
Year Installed: 1962
Tank Capacity: 00004300
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 10 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 020
Container Num: 306
Year Installed: 1984
Tank Capacity: 00001300
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 3/8 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 021

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Container Num: 307
Year Installed: 1962
Tank Capacity: 00006000
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 10 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 022
Container Num: 308
Year Installed: 1963
Tank Capacity: 00006988
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 0.25 inches
Leak Detection: Not reported
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 023
Container Num: 401
Year Installed: 1956
Tank Capacity: 00000420
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 6 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 024

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Container Num: 402
Year Installed: 1956
Tank Capacity: 00025000
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: PRODUCT
Type of Fuel: Not reported
Tank Construction: 5/16 inches
Leak Detection: None
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 025
Container Num: 403
Year Installed: 1962
Tank Capacity: 00001000
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Tank Construction: 0.25 inches
Leak Detection: Stock Inventor
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 026
Container Num: 404
Year Installed: 1979
Tank Capacity: 00000515
Facility Type: Other
Other Type: CHEMICAL MFG.
Total Tanks: 0028
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Tank Construction: 12 gauge
Leak Detection: Stock Inventor
Contact Name: D.T. ARGYRIOU
Telephone: 4157796371
Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
Owner Address: P.O. BOX 310
Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
Facility ID: 00000008471
Tank Num: 027

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

E. I. DUPONT DE NEMOURS & CO (Continued)

1000111309

Container Num: 405
 Year Installed: 1975
 Tank Capacity: 00005000
 Facility Type: Other
 Other Type: CHEMICAL MFG.
 Total Tanks: 0028
 Tank Used for: PRODUCT
 Type of Fuel: REGULAR
 Tank Construction: 0.25 inches
 Leak Detection: Stock Inventor
 Contact Name: D.T. ARGYRIOU
 Telephone: 4157796371
 Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
 Owner Address: P.O. BOX 310
 Owner City,St,Zip: ANTIOCH, CA 94509

Region: STATE
 Facility ID: 00000008471
 Tank Num: 028
 Container Num: 406
 Year Installed: 1962
 Tank Capacity: 00001001
 Facility Type: Other
 Other Type: CHEMICAL MFG.
 Total Tanks: 0028
 Tank Used for: WASTE
 Type of Fuel: Not reported
 Tank Construction: 6 inches
 Leak Detection: None
 Contact Name: D.T. ARGYRIOU
 Telephone: 4157796371
 Owner Name: E.I. DU PONT DE NEMOURS&CO.INC
 Owner Address: P.O. BOX 310
 Owner City,St,Zip: ANTIOCH, CA 94509

35
WSW
1/2-1
3852 ft.

**PIONEER AMERICAS, ANTIOCH PLANT (FORMER KEMWATER N
 2151 WILBUR AVE
 ANTIOCH, CA**

HAZNET 1001613146
CHMIRS N/A
WMUDS/SWAT
SLIC
CONTRA COSTA CO. SITE LIST
CA WDS

**Relative:
 Higher**

**Actual:
 32 ft.**

HAZNET:
 Gepaid: CAD041316043
 Contact: LISA KAY TUCK, SR EHS SPECIALIST
 Telephone: 7135703202
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 700 LOUISIANA ST STE 4300
 Mailing City,St,Zip: HOUSTON, TX 770020000
 Gen County: Contra Costa
 TSD EPA ID: UTC093012201
 TSD County: 99
 Waste Category: Contaminated soil from site clean-ups
 Disposal Method: Disposal, Land Fill
 Tons: 1100
 Facility County: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PIONEER AMERICAS, ANTIOCH PLANT (FORMER KEMWATER N (Continued)

1001613146

Gepaid: CAD041316043
Contact: LISA KAY TUCK, SR EHS SPECIALIST
Telephone: 7135703202
Facility Addr2: Not reported
Mailing Name: KNA CALIFORNIA INC
Mailing Address: 700 LOUISIANA ST STE 4300
Mailing City,St,Zip: HOUSTON, TX 770020000
Gen County: Contra Costa
TSD EPA ID: UTC093012201
TSD County: Contra Costa
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Disposal, Land Fill
Tons: 3124
Facility County: 7

CHMIRS:

OES Incident Number: 98-0095
OES notification: 1/8/199811:15:53 AM
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: Not reported
Special Studies 1: Not reported
Special Studies 2: Not reported
Special Studies 3: Not reported
Special Studies 4: Not reported
Special Studies 5: Not reported
Special Studies 6: Not reported
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: Not reported
Others Number Of Decontaminated: Not reported
Others Number Of Injuries: Not reported
Others Number Of Fatalities: Not reported
Vehicle Make/year: Not reported
Vehicle License Number: Not reported
Vehicle State: Not reported
Vehicle Id Number: Not reported
CA/DOT/PUC/ICC Number: Not reported
Company Name: Not reported
Reporting Officer Name/ID: Not reported
Report Date: Not reported
Comments: Not reported
Facility Telephone: Not reported
Waterway Involved: No
Waterway: Not reported
Spill Site: Not reported
Cleanup By: Reporting Party

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PIONEER AMERICAS, ANTIOCH PLANT (FORMER KEMWATER N (Continued))

1001613146

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	Chem Water
Incident Date:	1/8/1998 12:00:00 AM
Admin Agency:	Contra Costa County Health Services Dept.
Amount:	Not reported
Contained:	Yes
Site Type:	Merchant/Business
E Date:	Not reported
Substance:	Bleach
Quantity Released:	Not reported
BBLs:	0
Cups:	0
CUFT:	0
Gallons:	100 - 130
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Description:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
Description:	Overfilled truck and spilled into secondary containment area releasing a vapor.

WMUDS/SWAT:

Edit Date:	Not reported
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.
Primary Waste:	Cooling Water: Noncontact
Primary Waste Type:	Inert/Influent or Solid Wastes that do not contain soluble pollutants or organic wastes and have little adverse impact on water quality. Such wastes could cause turbidity and siltation. Uncontaminated soils, rubble and concrete are examples of this category.
Secondary Waste:	Not reported
Secondary Waste Type:	Not reported
Base Meridian:	Not reported
NPID:	CA0081248
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PIONEER AMERICAS, ANTIOCH PLANT (FORMER KEMWATER N (Continued))

1001613146

Waste List: False
 Agency Type: Private
 Agency Name: PIONEER CHLOR ALKALI., CO
 Agency Department: Not reported
 Agency Address: 2151 WILBUR AVE.
 Agency City,St,Zip: ANTIOCH ,CA 94509
 Agency Contact: VERRILL NORWOOD
 Agency Telephone: 4234761082
 Land Owner Name: Not reported
 Land Owner Address: Not reported
 Land Owner City,St,Zip: Not reported
 Land Owner Contact: Not reported
 Land Owner Phone: Not reported
 Region: 5S
 Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
 Facility Description: Not reported
 Facility Telephone: 5107578230
 SWAT Facility Name: Not reported
 Primary SIC: 2842
 Secondary SIC: Not reported
 Comments: Not reported
 Last Facility Editors: Not reported
 Waste Discharge System: True
 Solid Waste Assessment Test Program: False
 Toxic Pits Cleanup Act Program: True
 Resource Conservation Recovery Act: False
 Department of Defence: False
 Solid Waste Assessment Test Program: Not reported
 Threat to Water Quality: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
 Sub Chapter 15: False
 Regional Board Project Officer: PAL
 Number of WMUDS at Facility: 1
 Section Range: Not reported
 RCRA Facility: No
 Waste Discharge Requirements: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 Self-Monitoring Rept. Frequency: Monthly Submittal
 Waste Discharge System ID: 5B072047001
 Solid Waste Information ID: Not reported

SLIC:

Region: STATE
 Global Id: SL205032990
 Assigned Name: SLICSITE
 Lead Agency Contact: MARK W. CLARDY
 Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
 Lead Agency Case Number: SL205032990
 Responsible Party: JOE HOFBAUER

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

PIONEER AMERICAS, ANTIOCH PLANT (FORMER KEMWATER N (Continued))

EDR ID Number
EPA ID Number

Database(s)

1001613146

Recent Dtw: 20
Substance Released: 00940, 01045, 00927, 01055, MET, 71850, VOC, ammonia, chl
Facility Status: Remediation Plan

SLIC:

Region: 5
Facility Status: Remediation Underway
Unit: Facility is a Spill or site
Pollutant: Cu, ammonia
Lead Agency: DLL
Date Filed: / /
Report Date: / /
Date Added: Not reported
Date Closed: Not reported

CONTRA COSTA CO. SITE LIST:

Region: CONTRA COSTA
Facility ID: 754226
Facility Status: INACTIVE
Tier: Not reported
Program Status: UST
Generator Fee Item: Yes
Inactive Date: 2/9/2007

CA WDS:

Facility ID: 5S 07I015286
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
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: 9257578243
Facility Contact: FRED VIRDEN
Agency Name: KEMWATER NORTH AMERICA CO
Agency Address: PO Box 606
Agency City,St,Zip: Antioch 945090060
Agency Contact: FRED VIRDEN
Agency Telephone: 9257578243
Agency Type: Private
SIC Code: 0
SIC Code 2: Not reported
Primary Waste: 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

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PIONEER AMERICAS, ANTIOCH PLANT (FORMER KEMWATER N (Continued))

1001613146

Complexity: 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.
 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.

**F36
 ESE
 1/2-1
 3859 ft.**

**E.I. DUPONI DE NEMOURS & CO.
 6000 BRIDGEHEAD RD
 ANTIOCH, CA 94509**

**CHMIRS
 WMUDS/SWAT
 EMI
 SWEEPS UST**

**S101310468
 N/A**

Site 2 of 6 in cluster F

**Relative:
 Higher**

**Actual:
 20 ft.**

CHMIRS:
 OES Incident Number: 009953
 OES notification: Not reported
 OES Date: 9/9/1995
 OES Time: 09:59:23 PM
 Incident Date: Not reported
Date Completed: Not reported
 Property Use: Not reported
 Agency Id Number: Not reported
 Agency Incident Number: Not reported
 Time Notified: Not reported
 Time Completed: Not reported
 Surrounding Area: Not reported
 Estimated Temperature: Not reported
 Property Management: Not reported
 Special Studies 1: Not reported
 Special Studies 2: Not reported
 Special Studies 3: Not reported
 Special Studies 4: Not reported
 Special Studies 5: Not reported
 Special Studies 6: Not reported
 More Than Two Substances Involved?: Not reported
 Resp Agncy Personel # Of Decontaminated: Not reported
 Responding Agency Personel # Of Injuries: Not reported
 Responding Agency Personel # Of Fatalities: Not reported
 Others Number Of Decontaminated: Not reported
 Others Number Of Injuries: Not reported
 Others Number Of Fatalities: Not reported
 Vehicle Make/year: Not reported
 Vehicle License Number: Not reported
 Vehicle State: Not reported
 Vehicle Id Number: Not reported
 CA/DOT/PUC/ICC Number: Not reported
 Company Name: Not reported
 Reporting Officer Name/ID: Not reported
 Report Date: Not reported
 Comments: Not reported
 Facility Telephone: Not reported
 Waterway Involved: YES
 Waterway: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

E.I. DUPONI DE NEMOURS & CO. (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S101310468

Spill Site: Not reported
 Cleanup By: dupont
 Containment: Not reported
 What Happened: Not reported
 Type: CHEMICAL
 Measure: Not reported
 Other: Not reported
 Date/Time: Not reported
 Year: 1995
 Agency: private cit.
 Incident Date: 9/9/95 1500
 Admin Agency: Not reported
 Amount: 400 lbs.
 Contained: NO
 Site Type: OTHER
 E Date: Not reported
 Substance: sodium hydroxide solution
 Quantity Released: Not reported
 BBLS: Not reported
 Cups: Not reported
 CUFT: Not reported
 Gallons: Not reported
 Grams: Not reported
 Pounds: Not reported
 Liters: Not reported
 Ounces: Not reported
 Pints: Not reported
 Quarts: Not reported
 Sheen: Not reported
 Tons: Not reported
 Unknown: Not reported
 Description: electricity shutoff caused water valve to open causing an overflow.
 Evacuations: NO
 Number of Injuries: NO
 Number of Fatalities: NO
 Description: Not reported

WMUDS/SWAT:

Edit Date: Not reported
 Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
 Primary Waste: Process Waste (Waste produced as part of the industrial/manufacturing process)
 Primary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
 Secondary Waste: Domestic Sewage
 Secondary Waste Type: Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
 Base Meridian: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

E.I. DUPONI DE NEMOURS & CO. (Continued)

S101310468

NPID: CA0004936
 Tonnage: 0
 Regional Board ID: Not reported
 Municipal Solid Waste: False
 Superorder: False
 Open To Public: False
 Waste List: False
 Agency Type: Private
 Agency Name: E.I. DU PONT DE NEMOURS & CO.
 Agency Department: Not reported
 Agency Address: 6000 BRIDGEHEAD RD
 Agency City,St,Zip: ANTIOCH CA 94509
 Agency Contact: ROBERT DOREMUS, JR.
 Agency Telephone: 9257796265
 Land Owner Name: Not reported
 Land Owner Address: Not reported
 Land Owner City,St,Zip: Not reported
 Land Owner Contact: Not reported
 Land Owner Phone: Not reported
 Region: 5S
 Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
 Facility Description: Not reported
 Facility Telephone: Not reported
 SWAT Facility Name: Not reported
 Primary SIC: 2816
 Secondary SIC: Not reported
 Comments: Not reported
 Last Facility Editors: Not reported
 Waste Discharge System: True
 Solid Waste Assessment Test Program: False
 Toxic Pits Cleanup Act Program: False
 Resource Conservation Recovery Act: True
 Department of Defence: False
 Solid Waste Assessment Test Program: Not reported
 Threat to Water Quality: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
 Sub Chapter 15: True
 Regional Board Project Officer: RJ
 Number of WMUDS at Facility: 1
 Section Range: Not reported
 RCRA Facility: Yes
 Waste Discharge Requirements: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
 Self-Monitoring Rept. Frequency: Monthly Submittal
 Waste Discharge System ID: 5B072038001
 Solid Waste Information ID: Not reported

EMI:
 Year: 1990

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

E.I. DUPONI DE NEMOURS & CO. (Continued)

S101310468

Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 21
 Air District Name: BA
 SIC Code: 2816
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 43
 Reactive Organic Gases Tons/Yr: 36
 Carbon Monoxide Emissions Tons/Yr: 9151
 NOX - Oxides of Nitrogen Tons/Yr: 54
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 25
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 21

Year: 1993
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 21
 Air District Name: BA
 SIC Code: 2816
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 33
 Reactive Organic Gases Tons/Yr: 29
 Carbon Monoxide Emissions Tons/Yr: 9548
 NOX - Oxides of Nitrogen Tons/Yr: 55
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 26
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 23

Year: 1995
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 21
 Air District Name: BA
 SIC Code: 2816
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 21
 Reactive Organic Gases Tons/Yr: 17
 Carbon Monoxide Emissions Tons/Yr: 9165
 NOX - Oxides of Nitrogen Tons/Yr: 55
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 16
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 14

Year: 1996
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 21
 Air District Name: BA
 SIC Code: 2816
 Air District Name: BAY AREA AQMD

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

E.I. DUPONI DE NEMOURS & CO. (Continued)

S101310468

Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	48
Reactive Organic Gases Tons/Yr:	40
Carbon Monoxide Emissions Tons/Yr:	9168
NOX - Oxides of Nitrogen Tons/Yr:	71
SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	8
Part. Matter 10 Micrometers & Smlr Tons/Yr:	8
Year:	1997
Carbon Monoxide Emissions Tons/Yr:	7
Air Basin:	SF
Facility ID:	21
Air District Name:	BA
SIC Code:	2816
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	23
Reactive Organic Gases Tons/Yr:	19
Carbon Monoxide Emissions Tons/Yr:	6974
NOX - Oxides of Nitrogen Tons/Yr:	43
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	6
Part. Matter 10 Micrometers & Smlr Tons/Yr:	6
Year:	1998
Carbon Monoxide Emissions Tons/Yr:	7
Air Basin:	SF
Facility ID:	21
Air District Name:	BA
SIC Code:	2869
Air District Name:	BAY AREA AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	3
Reactive Organic Gases Tons/Yr:	3
Carbon Monoxide Emissions Tons/Yr:	0
NOX - Oxides of Nitrogen Tons/Yr:	0
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smlr Tons/Yr:	0

SWEEPS UST:

Status:	A
Comp Number:	8471
Number:	1
Board Of Equalization:	44-002213
Ref Date:	02-11-92
Act Date:	02-11-92
Created Date:	07-22-88
Tank Status:	A
Owner Tank Id:	203
Swrcb Tank Id:	07-000-008471-000001
Actv Date:	02-11-92
Capacity:	200

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

E.I. DUPONI DE NEMOURS & CO. (Continued)

S101310468

Tank Use: CHEMICAL
 Stg: P
 Content: CL2 F2 CH4
 Number Of Tanks: 2

Status: A
 Comp Number: 8471
 Number: 1
 Board Of Equalization: 44-002213
 Ref Date: 02-11-92
 Act Date: 02-11-92
 Created Date: 07-22-88
 Tank Status: A
 Owner Tank Id: 407
 Swrcb Tank Id: 07-000-008471-000007
 Actv Date: 02-11-92
 Capacity: 2500
 Tank Use: M.V. FUEL
 Stg: P
 Content: REG UNLEADED
 Number Of Tanks: Not reported

**F37
 ESE
 1/2-1
 3859 ft.**

**E.I. DUPONT DE NEMOURS & CO.
 6000 BRIDGEHEAD RD
 ANTIOCH, CA 94509**

**LUST S101580703
 Cortese N/A
 CA FID UST
 SWEEPS UST**

Site 3 of 6 in cluster F

**Relative:
 Higher**

**Actual:
 20 ft.**

LUST:
 Region: STATE
 Case Type: Drinking Water Aquifer affected
 Cross Street: WILBUR
 Enf Type: Cleanup and Abatement Orders
 Funding: Not reported
 How Discovered: Tank Closure
 How Stopped: Not reported
 Leak Cause: Spill
 Leak Source: Other Source
 Global Id: T0601300745
 Stop Date: 1986-08-04 00:00:00
 Confirm Leak: Not reported
 Workplan: 1987-08-18 00:00:00
 Prelim Assess: Not reported
 Pollution Char: Not reported
 Remed Plan: Not reported
 Remed Action: 2001-05-01 00:00:00
 Monitoring: Not reported
 Close Date: 2000-04-28 00:00:00
 Discover Date: 1986-08-03 00:00:00
 Enforcement Dt: 1965-01-01 00:00:00
 Release Date: 1986-08-21 00:00:00
 Review Date: 2000-04-28 00:00:00
 Enter Date: 1986-12-31 00:00:00
 MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Max MTBE GW ppb: Not reported
 Max MTBE Soil ppb: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E.I. DUPONT DE NEMOURS & CO. (Continued)

S101580703

County: 07
Org Name: Not reported
Reg Board: 5S
Status: Remedial action (cleanup) Underway
Chemical: Unleaded Gasoline
Contact Person: Not reported
Responsible Party: E.I. DU PONT DE NEMOURS & CO.
RP Address: P.O. BOX 310, ANTIOCH, CA 94509
Interim: Not reported
Oversight Prgm: LUFT
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: MWC
Staff Initials: BRU
Lead Agency: Regional Board
Local Agency: 07000
Hydr Basin #: SAN JOAQUIN VALLEY (
Beneficial: Not reported
Priority: 1
Cleanup Fund Id: Not reported
Work Suspended: No
Local Case #: Not reported
Case Number: 070004
Qty Leaked: 1
Abate Method: Not reported
Operator: Not reported
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported
Summary: Not reported

LUST:

Region: 5
Case Number: 070004
Staff Initials: MWC
Substance: UNLEAD GASOLINE
Case Type: Drinking Water Aquifer affected
Status: Remedial action (cleanup) Underway
Lead Agency: Regional
Program: LUFT
MTBE Code: N/A

Cortese:

Region: CORTESE
Facility Addr2: 6000 BRIDGEHEAD RD

CA FID UST:

Facility ID: 07000002
Regulated By: UTKA
Regulated ID: CAD009151
Cortese Code: Not reported
SIC Code: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

E.I. DUPONT DE NEMOURS & CO. (Continued)

S101580703

Facility Phone: 4157571210
Mail To: Not reported
Mailing Address: 6000 BRIDGEHEAD RD
Mailing Address 2: Not reported
Mailing City,St,Zip: ANTIOCH 94509
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:

Status: Not reported
Comp Number: 8471
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 07-000-008471-000002
Actv Date: Not reported
Capacity: 6988
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: 5

Status: Not reported
Comp Number: 8471
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 07-000-008471-000003
Actv Date: Not reported
Capacity: 25000
Tank Use: CHEMICAL
Stg: PRODUCT
Content: UNKNOWN
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 8471
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

E.I. DUPONT DE NEMOURS & CO. (Continued)

S101580703

Swrcb Tank Id: 07-000-008471-000004
Actv Date: Not reported
Capacity: 1000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 8471
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 07-000-008471-000005
Actv Date: Not reported
Capacity: 515
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Not reported
Comp Number: 8471
Number: Not reported
Board Of Equalization: Not reported
Ref Date: Not reported
Act Date: Not reported
Created Date: Not reported
Tank Status: Not reported
Owner Tank Id: Not reported
Swrcb Tank Id: 07-000-008471-000006
Actv Date: Not reported
Capacity: 5000
Tank Use: M.V. FUEL
Stg: PRODUCT
Content: REG UNLEADED
Number Of Tanks: Not reported

**F38
ESE
1/2-1
3859 ft.**

**DUPONT CHEMICAL CO., ANTIOCH WORKS (E.I. DUPONT)
6000 BRIDGEHEAD ROAD
OAKLEY, CA**

**SLIC S106717942
N/A**

**Relative:
Higher**

Site 4 of 6 in cluster F

**Actual:
20 ft.**

SLIC:
Region: STATE
Global Id: SL0601340233
Assigned Name: SLICSITE
Lead Agency Contact: MARK W. CLARDY
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5S)
Lead Agency Case Number: Not reported
Responsible Party: Not reported
Recent Dtw: Not reported
Substance Released: SUB004, SUB005, SUB015, SUB030, SUB031

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DUPONT CHEMICAL CO., ANTIOCH WORKS (E.I. DUPONT) (Continued)

S106717942

Facility Status: Remediation Plan

**F39
 ESE
 1/2-1
 3859 ft.**

**DUPONT CHEMICAL CO., ANTIOCH WORKS UP TO 2000 ARC
 6000 BRIDGEHEAD RD
 OAKLEY, CA**

**HAZNET
 SLIC
 CONTRA COSTA CO. SITE LIST
 EMI
 CA WDS**

**S104573837
 N/A**

Site 5 of 6 in cluster F

**Relative:
 Higher**

HAZNET:

**Actual:
 20 ft.**

Gepaid: CAD009151671
 Contact: E I DUPONT DE NEMOURS & CO INC
 Telephone: 3027741000
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 6000 BRIDGEHEAD RD
 Mailing City,St,Zip: OAKLEY, CA 945612940
 Gen County: 7
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Alkaline solution without metals (pH > 12.5)
 Disposal Method: Recycler
 Tons: 42.8
 Facility County: 7

Gepaid: CAD009151671
 Contact: E I DUPONT DE NEMOURS & CO INC
 Telephone: 3027741000
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 6000 BRIDGEHEAD RD
 Mailing City,St,Zip: OAKLEY, CA 945612940
 Gen County: 7
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified alkaline solution
 Disposal Method: Recycler
 Tons: 1.8973
 Facility County: 7

Gepaid: CAD009151671
 Contact: E I DUPONT DE NEMOURS & CO INC
 Telephone: 3027741000
 Facility Addr2: Not reported
 Mailing Name: Not reported
 Mailing Address: 6000 BRIDGEHEAD RD
 Mailing City,St,Zip: OAKLEY, CA 945612940
 Gen County: 7
 TSD EPA ID: CAD009452657
 TSD County: San Mateo
 Waste Category: Unspecified aqueous solution
 Disposal Method: Recycler
 Tons: 36.696
 Facility County: 7

Gepaid: CAD009151671
 Contact: E I DUPONT DE NEMOURS & CO INC
 Telephone: 3027741000
 Facility Addr2: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

DUPONT CHEMICAL CO., ANTIOCH WORKS UP TO 2000 ARC (Continued)

S104573837

Mailing Name: Not reported
Mailing Address: 6000 BRIDGEHEAD RD
Mailing City,St,Zip: OAKLEY, CA 945612940
Gen County: 7
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Tons: 4.5775
Facility County: 7

Gepaid: CAD009151671
Contact: E I DUPONT DE NEMOURS & CO INC
Telephone: 3027741000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 6000 BRIDGEHEAD RD
Mailing City,St,Zip: OAKLEY, CA 945612940
Gen County: 7
TSD EPA ID: CAD009452657
TSD County: San Mateo
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Tons: 5.3459
Facility County: 7

[Click this hyperlink](#) while viewing on your computer to access 198 additional CA_HAZNET: record(s) in the EDR Site Report.

SLIC:

Region: 5
Facility Status: RI, REM
Unit: Facility is a Spill or site
Pollutant: PCE, TCE, DCE, other VOCs, Pb, As, benzene, freon 113
Lead Agency: DTSC
Date Filed: / /
Report Date: / /
Date Added: Not reported
Date Closed: Not reported

Region: 5
Facility Status: Remediation Underway
Unit: Facility is a Spill or site
Pollutant: Metals, VOCs
Lead Agency: DTSC/DLL
Date Filed: / /
Report Date: / /
Date Added: 10/25/2004
Date Closed: Not reported

CONTRA COSTA CO. SITE LIST:

Region: CONTRA COSTA
Facility ID: 708471
Facility Status: ACTIVE
Tier: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

DUPONT CHEMICAL CO., ANTIOCH WORKS UP TO 2000 ARC (Continued)

S104573837

Program Status: HWG
Generator Fee Item: No
Inactive Date: Not reported

EMI:

Year: 1999
Carbon Monoxide Emissions Tons/Yr: 7
Air Basin: SF
Facility ID: 21
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2000
Carbon Monoxide Emissions Tons/Yr: 7
Air Basin: SF
Facility ID: 21
Air District Name: BA
SIC Code: 2869
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 3
Reactive Organic Gases Tons/Yr: 2
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Year: 2001
Carbon Monoxide Emissions Tons/Yr: 7
Air Basin: SF
Facility ID: 21
Air District Name: BA
SIC Code: 3559
Air District Name: BAY AREA AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 5
Reactive Organic Gases Tons/Yr: 4
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smlr Tons/Yr: 0

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

DUPONT CHEMICAL CO., ANTIOCH WORKS UP TO 2000 ARC (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S104573837

CA WDS:

Facility ID: 5S 07I016773
 Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
 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: 9257575836
 Facility Contact: BOBBY C DEEVER
 Agency Name: E I DUPONT DE NEMOURS & CO
 Agency Address: 6000 Bridgehead Rd
 Agency City,St,Zip: Oakley 945612940
 Agency Contact: BOBBY C DEEVER
 Agency Telephone: 9257575836
 Agency Type: Private
 SIC Code: 0
 SIC Code 2: Not reported
 Primary Waste: 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.

F40
 ESE
 1/2-1
 3859 ft.

**DUPONT DE NEMOURS & CO INC
 6000 BRIDGEHEAD ROAD
 ANTIOCH, CA 94509**

**ENVIROSTOR S101479932
 N/A**

Relative:
 Higher

Site 6 of 6 in cluster F

Actual:
 20 ft.

ENVIROSTOR:
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: DTSC
 Lead Agency: NONE SPECIFIED

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DUPONT DE NEMOURS & CO INC (Continued)

S101479932

Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: North Coast
 Facility ID: 07280084
 Site Code: Not reported
 Assembly: 15
 Senate: 07
 Special Program: Not reported
 Status: Refer: RCRA
 Status Date: 2002-04-19 00:00:00
 Restricted Use: NO
 Funding: Not reported
 Latitude: 38.0077777777778
 Longitude: -121.750555555556
 Alias Name: 07280084
 DUPONT ANTIOCH WORKS
 CAD009151671
 E I DUPONT DE NEMOURS ANTIOCH WORKS
 SHELL OIL
 DUPONT OAKLEY
 Alias Type: Envirostor ID Number
 Alternate Name
 Alternate Name
 Alternate Name
 Alternate Name
 EPA Identification Number
 APN: NONE SPECIFIED
 APN Description: Not reported
 Comments: Not reported
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Discovery
 Completed Date: 1979-04-01 00:00:00
 Confirmed: NONE SPECIFIED
 Confirmed Description: Not reported
 Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Media Affected: NONE SPECIFIED
 Media Affected Desc: Not reported
 Management Required: NONE SPECIFIED
 Management Required Desc: Not reported
 Potential: 10009, 10061, 10077, 10179, 10193, 10199, 20013, 20023
 Potential Description: * HYDROCARBON SOLVENTS
 Potential Description: * ORGANIC LIQUIDS WITH METALS
 Potential Description: * Pesticides - Wastes From Production
 Potential Description: * Sludge - Paint
 Potential Description: * UNSPECIFIED ACID SOLUTION
 Potential Description: * WASTE OIL & MIXED OIL
 Potential Description: * OTHER SPENT CATALYST
 Potential Description: * LIME SLUDGE
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Database(s)
 EDR ID Number
 EPA ID Number

DUPONT DE NEMOURS & CO INC (Continued)

S101479932

PastUse: NONE SPECIFIED

41
South
1/2-1
3893 ft.

PECKHAM PROPERTY
3215 18TH ST E
ANTIOCH, CA

CONTRA COSTA CO. SITE LIST

LUST
Cortese
S104403147
N/A

Relative:
Higher

LUST:

Actual:
43 ft.

Region: STATE
 Case Type: Soil only
 Cross Street: Not reported
 Enf Type: None Taken
 Funding: Not reported
 How Discovered: Not reported
 How Stopped: Not reported
 Leak Cause: Not reported
 Leak Source: Not reported
 Global Id: T0601300779
 Stop Date: Not reported
 Confirm Leak: Not reported
 Workplan: Not reported
 Prelim Assess: Not reported
 Pollution Char: 1990-10-11 00:00:00
 Remed Plan: Not reported
 Remed Action: Not reported
 Monitoring: Not reported
 Close Date: 1997-01-27 00:00:00
 Discover Date: Not reported
 Enforcement Dt: 1965-01-01 00:00:00
 Release Date: 1990-10-16 00:00:00
 Review Date: 1997-12-12 00:00:00
 Enter Date: 1991-03-04 00:00:00
 MTBE Date: Not reported
 GW Qualifier: Not reported
 Soil Qualifier: Not reported
 Max MTBE GW ppb: Not reported
 Max MTBE Soil ppb: Not reported
 County: 07
 Org Name: Not reported
 Reg Board: 5S
 Status: Case Closed
 Chemical: Gasoline
 Contact Person: Not reported
 Responsible Party: PECKHAM, DON
 RP Address: Not reported
 Interim: Not reported
 Oversight Prgm: LUST
 MTBE Class: *
 MTBE Conc: 0
 MTBE Fuel: 1
 MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
 Staff: PMV
 Staff Initials: BRU
 Lead Agency: Local Agency
 Local Agency: 07000
 Hydr Basin #: SAN JOAQUIN VALLEY (
 Beneficial: Not reported
 Priority: 3

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

PECKHAM PROPERTY (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S104403147

Cleanup Fund Id: Not reported
 Work Suspended: No
 Local Case #: Not reported
 Case Number: 070057
 Qty Leaked: Not reported
 Abate Method: Not reported
 Operator: Not reported
 Water System Name: Not reported
 Well Name: Not reported
 Distance To Lust: 0
 Waste Discharge Global ID: Not reported
 Waste Disch Assigned Name: Not reported
 Summary: SCOOP-N-RUN

LUST:

Region: 5
 Case Number: 070057
 Staff Initials: PMV
 Substance: GASOLINE
 Case Type: Soil only
 Status: Case Closed
 Lead Agency: Local
 Program: LUST
 MTBE Code: N/A

Cortese:

Region: CORTESE
 Facility Addr2: 3215 18TH ST E

CONTRA COSTA CO. SITE LIST:

Region: CONTRA COSTA
 Facility ID: 770782
 Facility Status: INACTIVE
 Tier: Not reported
 Program Status: UST
 Generator Fee Item: No
 Inactive Date: 9/12/1990

42
WSW
1/2-1
5144 ft.

IMPERIAL WEST, ANTIOCH PLANT
1701 WILBUR AVENUE
ANTIOCH, CA 94509

Toxic Pits S100925117
EMI N/A

Relative:
Higher

Toxic Pits:

Region: 05S
 Task #: 85001
 Owner: IMPERIAL WEST CHEMICAL CO.
 1/2 Mi Limit: Y
 Num. of Pits: 1
 Cease Discharge Due: 09/01/90
 Cease Discharge Complete: / /
 Closure Due: 11/01/90
Closure Completed: 01/16/92
 Status: CLOSED

Actual:
48 ft.

Hydro Geological Assessment Report Due: 04/01/92
 Final Hydro Geological Assessment Review Completed: / /

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

IMPERIAL WEST, ANTIOCH PLANT (Continued)

S100925117

EMI:

Year: 1990
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 725
 Air District Name: BA
 SIC Code: 2819
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 9
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 5

Year: 1993
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 725
 Air District Name: BA
 SIC Code: 2819
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 0
 Reactive Organic Gases Tons/Yr: 0
 Carbon Monoxide Emissions Tons/Yr: 0
 NOX - Oxides of Nitrogen Tons/Yr: 0
 SOX - Oxides of Sulphur Tons/Yr: 0
 Particulate Matter Tons/Yr: 9
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 4

43
 SW
 > 1
 5331 ft.

ALMOND ORCHARD
2101 E. 18TH STREET
ANTIOCH, CA 94509

VCP S106152505
 ENVIROSTOR N/A

Relative:
 Higher

VCP:

Actual:
 49 ft.

Facility ID: 07010011
 Site Type: Voluntary Cleanup
 Site Type Detail: Voluntary Cleanup
 Acres: 8.78
 National Priorities List: NO
 Cleanup Oversight Agencies: SMBRP
 Lead Agency: SMBRP
 Lead Agency Description: Not reported
 Project Manager: JANET NAITO
 Supervisor: Barbara Cook
 Division Branch: North Coast
 Site Code: 201530
 Assembly: 11
 Senate: 07
 Special Programs Code: Designation of Single Agency
 Status: Certified

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

Database(s)
 EDR ID Number
 EPA ID Number

ALMOND ORCHARD (Continued)

S106152505

<p>Status Date: Restricted Use: Funding: Lat/Long: Alias Name: Alias Type: APN: APN Description: APN Description: Comments:</p>	<p>2005-06-13 00:00:00 NO Responsible Party 38.006 / -121.7769 051-100-022-6 07010011 ALMOND ORCHARD 201530 051-100-023-4 Envirostor ID Number Project Code (Site Code) APN APN Alternate Name 051-100-022-6, 051-100-023-4 Not reported Not reported Voluntary Environmental Oversight Agreement Docket No. HSA-A 03/04-084 signed with Gaylord Container Corporation, d/b/a Inland Paperboard and Packaging, Antioch Mill. Held site conference pursuant to H&SC Section 25398.2. Site certified under the Site Designation process. DTSC reviewed Phase I Environmental Assessment as part of its review of the PEA Workplan. Soil samples were collected in January and August 2004 which found that all metals, dioxins/furans, PAHs, pesticides and herbicides were either not detected or were detected at concentrations below residential screening goals. The risk evaluation deNOE filed determined that risks from chemicals in soil did not exceed the de minimis risk level under a single-family residential use scenario. Therefore, DTSC determined that no further action was required.</p>
<p>Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date:</p>	<p>PROJECT WIDE Not reported Phase 1 2002-09-01 00:00:00 PROJECT WIDE Not reported Preliminary Endangerment Assessment Report 2005-06-13 00:00:00 PROJECT WIDE Not reported Site Conferences for SB 923 Sites 2004-01-29 00:00:00 PROJECT WIDE Not reported Voluntary Clean-up Agreement 2003-12-30 00:00:00 PROJECT WIDE Not reported AB 2061 - Designation 2003-12-15 00:00:00 PROJECT WIDE Not reported Certification 2005-06-13 00:00:00 PROJECT WIDE Not reported CEQA - Notice of Exemption</p>

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ALMOND ORCHARD (Continued)

S106152505

Completed Date: 2005-06-08 00:00:00
 Confirmed: 31000
 Confirmed Description: No Contaminants found
 Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Media Affected: SOIL
 Media Affected Desc: Soil
 Management Required: NONE SPECIFIED
 Management Required Desc: Not reported
 Potential: NONE SPECIFIED,31000
 Potential Description: Not reported
 Potential Description: No Contaminants found
 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
 PastUse: AGRICULTURAL - ORCHARD

ENVIROSTOR:

Site Type: Voluntary Cleanup
 Site Type Detailed: Voluntary Cleanup
 Acres: 8.78
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: JANET NAITO
 Supervisor: Barbara Cook
 Division Branch: North Coast
 Facility ID: 07010011
 Site Code: 201530
 Assembly: 11
 Senate: 07
 Special Program: Designation of Single Agency
 Status: Certified
 Status Date: 2005-06-13 00:00:00
 Restricted Use: NO
 Funding: Responsible Party
 Latitude: 38.006
 Longitude: -121.7769
 Alias Name: 051-100-022-6
 07010011
 ALMOND ORCHARD
 201530
 051-100-023-4
 Alias Type: Envirostor ID Number
 Project Code (Site Code)
 APN
 APN
 Alternate Name
 APN: 051-100-022-6, 051-100-023-4
 APN Description: Not reported
 APN Description: Not reported
 Comments: Voluntary Environmental Oversight Agreement Docket No. HSA-A
 03/04-084 signed with Gaylord Container Corporation, d/b/a Inland

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ALMOND ORCHARD (Continued)

S106152505

Paperboard and Packaging, Antioch Mill. Held site conference pursuant to H&SC Section 25398.2. Site certified under the Site Designation process. DTSC reviewed Phase I Environmental Assessment as part of its review of the PEA Workplan. Soil samples were collected in January and August 2004 which found that all metals, dioxins/furans, PAHs, pesticides and herbicides were either not detected or were detected at concentrations below residential screening goals. The risk evaluation deNOE filed determined that risks from chemicals in soil did not exceed the de minimis risk level under a single-family residential use scenario. Therefore, DTSC determined that no further action was required.

Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Phase 1
 Completed Date: 2002-09-01 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Preliminary Endangerment Assessment Report
 Completed Date: 2005-06-13 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Site Conferences for SB 923 Sites
 Completed Date: 2004-01-29 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Voluntary Clean-up Agreement
 Completed Date: 2003-12-30 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: AB 2061 - Designation
 Completed Date: 2003-12-15 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: Certification
 Completed Date: 2005-06-13 00:00:00
 Completed Area Name: PROJECT WIDE
 Completed Sub Area Name: Not reported
 Completed Document Type: CEQA - Notice of Exemption
 Completed Date: 2005-06-08 00:00:00
 Confirmed: 31000
 Confirmed Description: No Contaminants found
 Future Area Name: Not reported
 Future Sub Area Name: Not reported
 Future Document Type: Not reported
 Future Due Date: Not reported
 Media Affected: SOIL
 Media Affected Desc: Soil
 Management Required: NONE SPECIFIED
 Management Required Desc: Not reported
 Potential: NONE SPECIFIED, 31000
 Potential Description: Not reported
 Potential Description: No Contaminants found
 Schedule Area Name: Not reported
 Schedule Sub Area Name: Not reported
 Schedule Document Type: Not reported
 Schedule Due Date: Not reported
 Schedule Revised Date: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

ALMOND ORCHARD (Continued)

S106152505

PastUse: AGRICULTURAL - ORCHARD

44
WSW
> 1
5861 ft.

PG&E, CONTRA COSTA POWER PLANT
1456 WILBUR AVENUE
ANTIOCH, CA 94509

Toxic Pits **S100925119**
EMI **N/A**

Relative:
Higher

Toxic Pits:
 Region: 05S
 Task #: 85013
 Owner: PG&E - ENVIRONMENTAL SERVICES
 1/2 Mi Limit: Y
 Num. of Pits: 3
 Cease Discharge Due: 06/30/88
 Cease Discharge Complete: 01/30/87
 Closure Due: 01/01/87
Closure Completed: 12/05/88
 Status: CLOSED
 Hydro Geological Assessment Report Due: / /
 Final Hydro Geological Assessment Review Completed: 11/25/88

Actual:
55 ft.

EMI:
 Year: 1990
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 18
 Air District Name: BA
 SIC Code: 4931
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 64
 Reactive Organic Gases Tons/Yr: 41
 Carbon Monoxide Emissions Tons/Yr: 438
 NOX - Oxides of Nitrogen Tons/Yr: 2223
 SOX - Oxides of Sulphur Tons/Yr: 437
 Particulate Matter Tons/Yr: 94
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 92

Year: 1995
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 18
 Air District Name: BA
 SIC Code: 4931
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 10
 Reactive Organic Gases Tons/Yr: 4
 Carbon Monoxide Emissions Tons/Yr: 234
 NOX - Oxides of Nitrogen Tons/Yr: 839
 SOX - Oxides of Sulphur Tons/Yr: 4
 Particulate Matter Tons/Yr: 18
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 18

Year: 1996

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PG&E, CONTRA COSTA POWER PLANT (Continued)

S100925119

Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 18
 Air District Name: BA
 SIC Code: 4931
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 11
 Reactive Organic Gases Tons/Yr: 5
 Carbon Monoxide Emissions Tons/Yr: 234
 NOX - Oxides of Nitrogen Tons/Yr: 839
 SOX - Oxides of Sulphur Tons/Yr: 4
 Particulate Matter Tons/Yr: 18
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 18

Year: 1997
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 18
 Air District Name: BA
 SIC Code: 4931
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 14
 Reactive Organic Gases Tons/Yr: 7
 Carbon Monoxide Emissions Tons/Yr: 280
 NOX - Oxides of Nitrogen Tons/Yr: 1010
 SOX - Oxides of Sulphur Tons/Yr: 4
 Particulate Matter Tons/Yr: 21
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 21

Year: 1998
 Carbon Monoxide Emissions Tons/Yr: 7
 Air Basin: SF
 Facility ID: 18
 Air District Name: BA
 SIC Code: 4931
 Air District Name: BAY AREA AQMD
 Community Health Air Pollution Info System: Not reported
 Consolidated Emission Reporting Rule: Not reported
 Total Organic Hydrocarbon Gases Tons/Yr: 18
 Reactive Organic Gases Tons/Yr: 8
 Carbon Monoxide Emissions Tons/Yr: 374
 NOX - Oxides of Nitrogen Tons/Yr: 820
 SOX - Oxides of Sulphur Tons/Yr: 6
 Particulate Matter Tons/Yr: 28
 Part. Matter 10 Micrometers & Smlr Tons/Yr: 28

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

45
South
> 1
6547 ft.

OAKLEY ROAD METERING SITE
OAKLEY RD. / PHILLIPS LN.
ANTIOCH, CA 94509

ENVIROSTOR

S101479973
N/A

Relative:
Higher

ENVIROSTOR:

Actual:
79 ft.

Site Type: Site Type Detailed: Acres: NPL: Regulatory Agencies: Lead Agency: Program Manager: Supervisor: Division Branch: Facility ID: Site Code: Assembly: Senate: Special Program: Status: Status Date: Restricted Use: Funding: Latitude: Longitude: Alias Name: Alias Type: APN: APN Description: Comments: Completed Area Name: Completed Sub Area Name: Completed Document Type: Completed Date: Confirmed: Confirmed Description: Future Area Name: Future Sub Area Name: Future Document Type: Future Due Date: Media Affected: Media Affected Desc: Management Required: Management Required Desc: Potential: Potential Description: Potential Description: Schedule Area Name: Schedule Sub Area Name: Schedule Document Type: Schedule Due Date: Schedule Revised Date: PastUse:	Evaluation Evaluation 0.7 NO NONE SPECIFIED NONE SPECIFIED Not reported Referred - Not Assigned North Coast 07490002 Not reported 11 07 Not reported Refer: RWQCB 2002-08-28 00:00:00 NO Not reported 37.9975 -121.759722222222 STANDARD PACIFIC GAS LINE INC. 07490002 Envirostor ID Number Alternate Name NONE SPECIFIED Not reported Completed Site Screening. Investigation conducted in August 1991 showed that soil and groundwater are contaminated with hydrocarbons, BTEX and PCBs. PROJECT WIDE Not reported Site Screening 1992-01-31 00:00:00 NONE SPECIFIED Not reported Not reported Not reported Not reported Not reported NONE SPECIFIED Not reported NONE SPECIFIED Not reported 10009, 30018 * HYDROCARBON SOLVENTS Polychlorinated biphenyls (PCBs) Not reported Not reported Not reported Not reported Not reported NONE SPECIFIED
---	---

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ANTIOCH	S106932144	SHERMAN ISL. DEHYDRATOR-ODORAN	HIGHWAY 160	94509	SWEEPS UST
ANTIOCH	S103678955	CHEVRON 93801	HWY 4/NEROLY RD	94509	HAZNET
ANTIOCH	S106666501	CHEVRON SS# 96946	BRIDGEHEAD RD / HWY 4	94509	CONTRA COSTA CO. SITE LIST
ANTIOCH	S103679048	PG&E ANTIOCH MAINT STATION	INTERSECT NEROLY RD / HWY 4	94509	HAZNET
ANTIOCH	A100108075	CONTRA COSTA SUBSTATION	E OF HILLCREST AVE,NO. OF HWY4		AST
ANTIOCH	1000252416	CALIFORNIA ORGANICS	445 A OLD HWY 4	94509	RCRA-SQG, FINDS
ANTIOCH	1000355266	FIBREBOARD CORPORATION	WILBUR AVENUE	94509	HIST UST
ANTIOCH	S102259989	LINCOLN PROPERTIES	4650 WILBUR AVE	94509	CONTRA COSTA CO. SITE LIST
ANTIOCH	S106152511	INDUSTRIAL LOT WITH TANK	WILBUR AVENUE	94509	VCP, ENVIROSTOR
ANTIOCH	S106837035	PACIFIC GAS AND ELECTRIC CO, A	WILBUR AVENUE	94509	EMI
ANTIOCH	S106928741	LLOYD'S HOLIDAY HARBOR	WILBUR AVE	94509	SWEEPS UST
ANTIOCH	S108657197	REBELLO RACING	511 WILBUR AVE A-5	94509	CONTRA COSTA CO. SITE LIST
OAKLEY	S103976753	MAURICE LODGE	5540 HWY 4 @ BRIDGEHEAD RD	94509	HAZNET
RIO VISTA	S103066209	RIO VISTA CHEVRON	300 HWY 12	94571	HAZNET, LUST, Cortese
RIO VISTA	S103480247	RIO VISTA MAINTENANCE STATION	480 HWY 12	94571	LUST
RIO VISTA	S103480272	THE TRAP	660 HWY 12	94571	HAZNET, LUST
RIO VISTA	S104162276	MORENO TRENCHING, LTD	210 HWY 12	94571	HAZNET, LUST, Cortese
RIO VISTA	S105025819	FOOD & LIQUOR #89	1009 HWY 12	94571	HAZNET, LUST, Cortese
RIO VISTA	S105025820	RIO VISTA SER CNTR	410 HWY 12	94571	LUST, CHMIRS, Cortese
RIO VISTA	S106230505	PG&E GAS DEHYDRATOR STATION, RIO V	HIGHWAY 12 AND AZEREDO RDS	94571	SLIC
RIO VISTA	S106916881	PG&E RIO VISTA MASTER METER	HIGHWAY 12	94571	SLIC
RIO VISTA	S107137254	LIRAS SUPERMARKET	609 HWY 12	94571	SWRCY
RIO VISTA	S106230506	PG&E GAS DEHYDRATOR STATION, COMPR	HIGHWAY 12, 2 MILES EAST OF RI	94571	SLIC
RIO VISTA	S105557147	PG&E GAS DEHYDRATOR STATION, SHERM	HIGHWAY 160	94571	SLIC
RIO VISTA	S106230296	COLUMBIA HELICOPTERS** SOME ARCHI	HIGHWAY 20 AT MILEPOST 40.19,	94571	SLIC
RIO VISTA	S108418432	NEXCYCLE/LIRAS SUPERMARKET	609 ST HWY 12	94571	SWRCY
RIO VISTA	S106916880	PG&E SHERMAN ISLAND NO. 1	EAST OF HIGHWAY 160	94571	SLIC
RURAL	U001596245	SHERMAN ISL. DEHYDRATOR-ODORAN	HIGHWAY 160	94509	HIST UST
RYER ISLAND	U003700411	CAL TRANS - STEAMBOAT FERRY	ST RTE 220 PM 3.1	94571	LUST

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	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.
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY

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.

FEDERAL RECORDS

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: 07/18/2007	Source: EPA
Date Data Arrived at EDR: 08/03/2007	Telephone: N/A
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 07/31/2007
Number of Days to Update: 26	Next Scheduled EDR Contact: 10/29/2007
	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: 08/09/2007	Source: EPA
Date Data Arrived at EDR: 09/05/2007	Telephone: N/A
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/31/2007
Number of Days to Update: 36	Next Scheduled EDR Contact: 10/29/2007
	Data Release Frequency: Quarterly

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: 08/27/2007	Source: EPA
Date Data Arrived at EDR: 08/29/2007	Telephone: N/A
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/29/2007
Number of Days to Update: 43	Next Scheduled EDR Contact: 10/29/2007
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/20/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: No Update Planned

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

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/23/2007	Source: EPA
Date Data Arrived at EDR: 06/20/2007	Telephone: 703-412-9810
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 09/19/2007
Number of Days to Update: 70	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 06/21/2007	Source: EPA
Date Data Arrived at EDR: 07/23/2007	Telephone: 703-412-9810
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 09/17/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/26/2007	Source: EPA
Date Data Arrived at EDR: 08/08/2007	Telephone: 800-424-9346
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 09/04/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 12/03/2007
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site 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: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: (415) 495-8895
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 10/16/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 01/14/2008
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2006	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/24/2007	Telephone: 202-267-2180
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 10/19/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 01/21/2008
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 07/02/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/18/2007	Telephone: 202-366-4555
Date Made Active in Reports: 09/18/2007	Last EDR Contact: 10/16/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/14/2008
	Data Release Frequency: Annually

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: 07/16/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/03/2007	Telephone: 703-603-8905
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 10/01/2007
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/31/2007
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/16/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/03/2007	Telephone: 703-603-8905
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 10/01/2007
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/31/2007
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 08/09/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 11/05/2007
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2006	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/31/2007	Telephone: 202-528-4285
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 10/01/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/31/2007
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 06/20/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/09/2007	Telephone: 202-566-2777
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 09/10/2007
Number of Days to Update: 51	Next Scheduled EDR Contact: 12/10/2007
	Data Release Frequency: Semi-Annually

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: 04/13/2007	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 07/16/2007	Telephone: Varies
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 09/21/2007
Number of Days to Update: 44	Next Scheduled EDR Contact: 01/21/2008
	Data Release Frequency: Varies

ROD: Records Of Decision

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

Date of Government Version: 06/08/2007	Source: EPA
Date Data Arrived at EDR: 07/03/2007	Telephone: 703-416-0223
Date Made Active in Reports: 08/29/2007	Last EDR Contact: 10/01/2007
Number of Days to Update: 57	Next Scheduled EDR Contact: 12/31/2007
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/08/2006	Telephone: 505-845-0011
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 09/19/2007
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/17/2007
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 04/27/2007	Telephone: 202-566-0250
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 09/18/2007
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 10/30/2007
Number of Days to Update: 46	Next Scheduled EDR Contact: 01/14/2008
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/06/2007	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/20/2007	Telephone: 202-566-1667
Date Made Active in Reports: 09/18/2007	Last EDR Contact: 09/17/2007
Number of Days to Update: 60	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Quarterly

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

Date of Government Version: 07/06/2007	Source: EPA
Date Data Arrived at EDR: 07/20/2007	Telephone: 202-566-1667
Date Made Active in Reports: 09/18/2007	Last EDR Contact: 09/17/2007
Number of Days to Update: 60	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 03/13/2007	Telephone: 202-564-4203
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 10/15/2007
Number of Days to Update: 45	Next Scheduled EDR Contact: 01/14/2008
	Data Release Frequency: Annually

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 09/12/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 12/10/2007
	Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 08/14/2007	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/29/2007	Telephone: 202-366-4595
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/29/2007
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/26/2007
	Data Release Frequency: Varies

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: 07/27/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/13/2007	Telephone: 202-564-5088
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 10/15/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 01/14/2008
	Data Release Frequency: Quarterly

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: 07/25/2007	Source: EPA, Region 9
Date Data Arrived at EDR: 07/31/2007	Telephone: 415-972-3336
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 09/24/2007
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/24/2007
	Data Release Frequency: Varies

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.

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: 09/17/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: No Update Planned

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: 12/01/2006
Date Data Arrived at EDR: 01/08/2007
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 3

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 10/02/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/31/2007
Date Data Arrived at EDR: 08/01/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/31/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: Quarterly

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: 03/08/2007
Date Data Arrived at EDR: 04/12/2007
Date Made Active in Reports: 05/14/2007
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

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: 04/12/2007
Date Data Arrived at EDR: 06/08/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 32

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 08/09/2007
Next Scheduled EDR Contact: 11/05/2007
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/09/2007
Date Data Arrived at EDR: 07/24/2007
Date Made Active in Reports: 09/18/2007
Number of Days to Update: 56

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 05/09/2007
Date Data Arrived at EDR: 06/28/2007
Date Made Active in Reports: 08/29/2007
Number of Days to Update: 62

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/26/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/19/2007
Date Data Arrived at EDR: 07/25/2007
Date Made Active in Reports: 09/18/2007
Number of Days to Update: 55

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 08/31/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/06/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 38

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Biennially

USGS WATER WELLS: National Water Information System (NWIS)

This database consists of well records in the United States. Available site descriptive information includes well location information (latitude and longitude, well depth, site use, water use, and aquifer).

Date of Government Version: 03/25/2005
Date Data Arrived at EDR: 03/25/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: USGS
Telephone: N/A
Last EDR Contact: 03/25/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

PWS: Public Water System Data

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/24/2000
Date Data Arrived at EDR: 04/27/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA
Telephone: N/A
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: N/A

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

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

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 08/27/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 08/28/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 10/26/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: No Update Planned

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: 09/10/2007
Date Data Arrived at EDR: 09/12/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 16

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 09/12/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WMUDS/SWAT: Waste Management Unit Database

Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000	Source: State Water Resources Control Board
Date Data Arrived at EDR: 04/10/2000	Telephone: 916-227-4448
Date Made Active in Reports: 05/10/2000	Last EDR Contact: 09/04/2007
Number of Days to Update: 30	Next Scheduled EDR Contact: 12/03/2007
	Data Release Frequency: Quarterly

CA 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: 09/17/2007
Number of Days to Update: 9	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 05/29/2001	Telephone: 916-323-3400
Date Made Active in Reports: 07/26/2001	Last EDR Contact: 10/19/2007
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/21/2008
	Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 07/09/2007	Source: Department of Conservation
Date Data Arrived at EDR: 07/11/2007	Telephone: 916-323-3836
Date Made Active in Reports: 08/09/2007	Last EDR Contact: 10/11/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/07/2008
	Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001	Source: California Regional Water Quality Control Board San Diego Region (9)
Date Data Arrived at EDR: 04/23/2001	Telephone: 858-637-5595
Date Made Active in Reports: 05/21/2001	Last EDR Contact: 10/15/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 01/14/2008
	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	Source: California Regional Water Quality Control Board Santa Ana Region (8)
Date Data Arrived at EDR: 02/15/2005	Telephone: 909-782-4496
Date Made Active in Reports: 03/28/2005	Last EDR Contact: 08/06/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/05/2007
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 06/07/2005

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: 10/01/2007

Next Scheduled EDR Contact: 12/31/2007

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: 09/04/2007

Next Scheduled EDR Contact: 12/03/2007

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: 07/01/2007

Date Data Arrived at EDR: 08/01/2007

Date Made Active in Reports: 08/09/2007

Number of Days to Update: 8

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

Telephone: 916-464-4834

Last EDR Contact: 10/24/2007

Next Scheduled EDR Contact: 12/31/2007

Data Release Frequency: Quarterly

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: 09/24/2007

Next Scheduled EDR Contact: 12/24/2007

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: 08/13/2007

Next Scheduled EDR Contact: 11/12/2007

Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004

Date Data Arrived at EDR: 10/20/2004

Date Made Active in Reports: 11/19/2004

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433

Last EDR Contact: 10/09/2007

Next Scheduled EDR Contact: 01/07/2008

Data Release Frequency: Quarterly

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/01/2001
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: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: No Update Planned

LUST: Geotracker's Leaking Underground Fuel Tank Report

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

Date of Government Version: 07/10/2007
Date Data Arrived at EDR: 07/11/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 29

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 10/11/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Quarterly

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: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 08/03/2007
Date Data Arrived at EDR: 08/03/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 6

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 10/11/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
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.

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: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 10/09/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 08/13/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 10/19/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 12/03/2007
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
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: 07/17/2007
Date Data Arrived at EDR: 07/18/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 22

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 10/01/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 09/10/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Annually

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 10/10/2007
Date Data Arrived at EDR: 10/11/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 21

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 10/11/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/25/2007
Date Data Arrived at EDR: 09/25/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 37

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Varies

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

LIENS: Environmental Liens Listing

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

Date of Government Version: 08/27/2007
Date Data Arrived at EDR: 08/28/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/05/2007
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 09/17/2007
Date Data Arrived at EDR: 09/18/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 44

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 10/26/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: Quarterly

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 1980'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

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/23/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 42

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 08/20/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: No Update Planned

DEED: Deed Restriction Listing

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

Date of Government Version: 07/02/2007
Date Data Arrived at EDR: 07/03/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 37

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 10/03/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Semi-Annually

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/28/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 07/31/2007
Date Data Arrived at EDR: 07/31/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 9

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

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

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/13/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 24

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 10/23/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Varies

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: 12/31/2006
Date Data Arrived at EDR: 03/07/2007
Date Made Active in Reports: 04/06/2007
Number of Days to Update: 30

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Varies

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: 08/28/2007
Date Data Arrived at EDR: 08/29/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 28

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/29/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/20/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 44

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 10/04/2007
Next Scheduled EDR Contact: 11/05/2007
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2005	Source: California Air Resources Board
Date Data Arrived at EDR: 04/17/2007	Telephone: 916-322-2990
Date Made Active in Reports: 05/10/2007	Last EDR Contact: 10/18/2007
Number of Days to Update: 23	Next Scheduled EDR Contact: 01/14/2008
	Data Release Frequency: Varies

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 09/17/2007	Source: Integrated Waste Management Board
Date Data Arrived at EDR: 09/18/2007	Telephone: 916-341-6422
Date Made Active in Reports: 09/28/2007	Last EDR Contact: 09/10/2007
Number of Days to Update: 10	Next Scheduled EDR Contact: 12/10/2007
	Data Release Frequency: Varies

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: 08/28/2007	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 08/29/2007	Telephone: 916-323-3400
Date Made Active in Reports: 09/26/2007	Last EDR Contact: 08/29/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/26/2007
	Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 08/09/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/05/2007
	Data Release Frequency: Semi-Annually

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 10/18/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2007	Source: EPA Region 8
Date Data Arrived at EDR: 09/07/2007	Telephone: 303-312-6271
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/05/2007	Source: EPA Region 4
Date Data Arrived at EDR: 10/02/2007	Telephone: 404-562-8677
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Semi-Annually

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: 12/01/2006	Source: EPA Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 11/19/2007
	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: 09/12/2007	Source: EPA Region 10
Date Data Arrived at EDR: 09/14/2007	Telephone: 206-553-2857
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/11/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/14/2007	Telephone: 415-972-3372
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 08/31/2007	Source: EPA Region 6
Date Data Arrived at EDR: 08/31/2007	Telephone: 214-665-7591
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 09/11/2007	Source: EPA Region 9
Date Data Arrived at EDR: 09/14/2007	Telephone: 415-972-3368
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 08/27/2007	Source: EPA Region 8
Date Data Arrived at EDR: 09/07/2007	Telephone: 303-312-6137
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 09/05/2007	Source: EPA Region 4
Date Data Arrived at EDR: 10/02/2007	Telephone: 404-562-9424
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 09/12/2007	Source: EPA Region 10
Date Data Arrived at EDR: 09/14/2007	Telephone: 206-553-2857
Date Made Active in Reports: 10/11/2007	Last EDR Contact: 08/20/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/20/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

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: No Update Planned

FEDERAL RECORDS

COLLEGES: Integrated Postsecondary Education Data

The National Center for Education Statistics' primary database on integrated postsecondary education in the United States.

Date of Government Version: N/A
Date Data Arrived at EDR: 10/12/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: National Center for Education Statistics
Telephone: 202-502-7300
Last EDR Contact: 09/22/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

PUBLIC SCHOOLS: Public Schools

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.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/13/2004
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: National Center for Education statistics
Telephone: 202-502-7300
Last EDR Contact: 10/10/2007
Next Scheduled EDR Contact: 01/07/2008
Data Release Frequency: N/A

PRIVATE SCHOOLS: Private Schools of the United States

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

Date of Government Version: N/A
Date Data Arrived at EDR: 10/07/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: National Center for Education Statistics
Telephone: 202-502-7300
Last EDR Contact: 09/22/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

NURSING HOMES: Directory of Nursing Homes

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

Date of Government Version: N/A
Date Data Arrived at EDR: 10/11/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: N/A
Telephone: 800-568-3282
Last EDR Contact: 09/22/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

MEDICAL CENTERS: Provider of Services Listing

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 & Human Services.

Date of Government Version: 06/01/1998
Date Data Arrived at EDR: 11/10/2005
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
Last EDR Contact: 01/12/2007
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

HOSPITALS: AHA Hospital Guide

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 10/19/1994
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: American Hospital Association
Telephone: 800-242-2626
Last EDR Contact: 09/22/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: N/A

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 08/03/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 50

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/22/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 08/03/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/24/2007
Number of Days to Update: 48

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 10/22/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

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

Date of Government Version: 09/11/2007
Date Data Arrived at EDR: 09/14/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 14

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 09/10/2007
Next Scheduled EDR Contact: 11/26/2007
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/16/2007
Date Data Arrived at EDR: 07/17/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 23

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 08/06/2007
Next Scheduled EDR Contact: 11/05/2007
Data Release Frequency: Semi-Annually

KERN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2007
Date Data Arrived at EDR: 10/04/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 28

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

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

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 07/16/2007
Next Scheduled EDR Contact: 10/15/2007
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 05/31/2007
Date Data Arrived at EDR: 08/27/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 30

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 08/13/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 08/17/2007
Date Data Arrived at EDR: 09/24/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 4

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 08/17/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 03/01/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 09/10/2007
Next Scheduled EDR Contact: 12/10/2007
Data Release Frequency: Varies

Site Mitigation List

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

Date of Government Version: 05/30/2007
Date Data Arrived at EDR: 07/11/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 29

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 09/20/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/13/2007
Date Data Arrived at EDR: 09/24/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 38

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 08/13/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 08/23/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 09/24/2007
Date Data Arrived at EDR: 09/25/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 37

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 11/12/2007
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 08/06/2007
Date Data Arrived at EDR: 09/24/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 38

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 10/26/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

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

Date of Government Version: 09/24/2007
Date Data Arrived at EDR: 09/25/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 3

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/24/2007
Date Data Arrived at EDR: 09/25/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 37

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Annually

ORANGE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/19/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 10

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/31/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/19/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 10

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/31/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 08/01/2007
Date Data Arrived at EDR: 09/25/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 37

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/31/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 07/23/2007
Date Data Arrived at EDR: 07/23/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 17

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/17/2007
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 08/06/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 50

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 08/06/2007
Date Data Arrived at EDR: 08/07/2007
Date Made Active in Reports: 09/24/2007
Number of Days to Update: 48

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 10/15/2007
Next Scheduled EDR Contact: 01/14/2008
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Contaminated Sites

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

Date of Government Version: 08/07/2007
Date Data Arrived at EDR: 08/08/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 49

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/26/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

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

Date of Government Version: 08/07/2007
Date Data Arrived at EDR: 08/08/2007
Date Made Active in Reports: 09/26/2007
Number of Days to Update: 49

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 10/26/2007
Next Scheduled EDR Contact: 01/28/2008
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

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

Date of Government Version: 06/27/2007
Date Data Arrived at EDR: 06/29/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 10/05/2007
Next Scheduled EDR Contact: 12/31/2007
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2006
Date Data Arrived at EDR: 01/03/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 09/04/2007
Next Scheduled EDR Contact: 11/19/2007
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/27/2007	Source: San Diego County Department of Environmental Health
Date Data Arrived at EDR: 07/20/2007	Telephone: 619-338-2371
Date Made Active in Reports: 08/09/2007	Last EDR Contact: 10/03/2007
Number of Days to Update: 20	Next Scheduled EDR Contact: 12/31/2007
	Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversight Facilities

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

Date of Government Version: 09/07/2007	Source: Department Of Public Health San Francisco County
Date Data Arrived at EDR: 09/07/2007	Telephone: 415-252-3920
Date Made Active in Reports: 09/28/2007	Last EDR Contact: 09/04/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 12/03/2007
	Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 09/07/2007	Source: Department of Public Health
Date Data Arrived at EDR: 09/07/2007	Telephone: 415-252-3920
Date Made Active in Reports: 09/24/2007	Last EDR Contact: 09/04/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 12/03/2007
	Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 08/21/2007	Source: Environmental Health Department
Date Data Arrived at EDR: 08/22/2007	Telephone: N/A
Date Made Active in Reports: 09/24/2007	Last EDR Contact: 10/15/2007
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/14/2008
	Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

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

Date of Government Version: 07/30/2007	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 07/30/2007	Telephone: 650-363-1921
Date Made Active in Reports: 08/09/2007	Last EDR Contact: 10/09/2007
Number of Days to Update: 10	Next Scheduled EDR Contact: 01/07/2008
	Data Release Frequency: Annually

Fuel Leak List

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

Date of Government Version: 07/09/2007	Source: San Mateo County Environmental Health Services Division
Date Data Arrived at EDR: 07/10/2007	Telephone: 650-363-1921
Date Made Active in Reports: 08/09/2007	Last EDR Contact: 10/09/2007
Number of Days to Update: 30	Next Scheduled EDR Contact: 01/07/2008
	Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: No Update Planned

LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/26/2007
Date Data Arrived at EDR: 03/27/2007
Date Made Active in Reports: 04/27/2007
Number of Days to Update: 31

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Varies

Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 09/17/2007
Date Data Arrived at EDR: 09/17/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 11

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 09/17/2007
Next Scheduled EDR Contact: 12/03/2007
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

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

Date of Government Version: 07/09/2007
Date Data Arrived at EDR: 08/03/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 6

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Quarterly

Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/24/2007
Date Data Arrived at EDR: 10/23/2007
Date Made Active in Reports: 11/01/2007
Number of Days to Update: 9

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/24/2007
Next Scheduled EDR Contact: 12/24/2007
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

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

Date of Government Version: 07/09/2007
Date Data Arrived at EDR: 07/09/2007
Date Made Active in Reports: 08/09/2007
Number of Days to Update: 31

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 10/22/2007
Next Scheduled EDR Contact: 01/21/2008
Data Release Frequency: Quarterly

SUTTER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/04/2007	Source: Sutter County Department of Agriculture
Date Data Arrived at EDR: 05/04/2007	Telephone: 530-822-7500
Date Made Active in Reports: 05/24/2007	Last EDR Contact: 10/01/2007
Number of Days to Update: 20	Next Scheduled EDR Contact: 12/31/2007
	Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/30/2007	Source: Ventura County Environmental Health Division
Date Data Arrived at EDR: 06/22/2007	Telephone: 805-654-2813
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 09/12/2007
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/10/2007
	Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2007	Source: Environmental Health Division
Date Data Arrived at EDR: 08/29/2007	Telephone: 805-654-2813
Date Made Active in Reports: 09/26/2007	Last EDR Contact: 08/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/19/2007
	Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/05/2007	Source: Environmental Health Division
Date Data Arrived at EDR: 06/21/2007	Telephone: 805-654-2813
Date Made Active in Reports: 06/29/2007	Last EDR Contact: 09/12/2007
Number of Days to Update: 8	Next Scheduled EDR Contact: 12/10/2007
	Data Release Frequency: Quarterly

Underground Tank Closed Sites List

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

Date of Government Version: 09/26/2007	Source: Environmental Health Division
Date Data Arrived at EDR: 10/11/2007	Telephone: 805-654-2813
Date Made Active in Reports: 11/01/2007	Last EDR Contact: 10/11/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 01/07/2008
	Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 07/30/2007	Source: Yolo County Department of Health
Date Data Arrived at EDR: 09/04/2007	Telephone: 530-666-8646
Date Made Active in Reports: 09/24/2007	Last EDR Contact: 10/15/2007
Number of Days to Update: 20	Next Scheduled EDR Contact: 01/14/2008
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/15/2007	Telephone: 860-424-3375
Date Made Active in Reports: 08/20/2007	Last EDR Contact: 09/12/2007
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/10/2007
	Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 04/01/2007	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/05/2007	Telephone: N/A
Date Made Active in Reports: 05/08/2007	Last EDR Contact: 11/02/2007
Number of Days to Update: 33	Next Scheduled EDR Contact: 12/31/2007
	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: 08/27/2007	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 08/30/2007	Telephone: 518-402-8651
Date Made Active in Reports: 09/21/2007	Last EDR Contact: 08/30/2007
Number of Days to Update: 22	Next Scheduled EDR Contact: 11/26/2007
	Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006	Source: Department of Environmental Protection
Date Data Arrived at EDR: 08/23/2007	Telephone: N/A
Date Made Active in Reports: 09/27/2007	Last EDR Contact: 09/10/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/10/2007
	Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 04/09/2007	Source: Department of Environmental Management
Date Data Arrived at EDR: 04/12/2007	Telephone: 401-222-2797
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 10/16/2007
Number of Days to Update: 15	Next Scheduled EDR Contact: 12/17/2007
	Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/27/2007	Telephone: N/A
Date Made Active in Reports: 06/08/2007	Last EDR Contact: 10/09/2007
Number of Days to Update: 42	Next Scheduled EDR Contact: 01/07/2008
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

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

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

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

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

© 2007 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

CONTRA COSTA POWER PLANT
3201 WILBUR AVENUE
ANTIOCH, CA 94509

TARGET PROPERTY COORDINATES

Latitude (North):	38.01550 - 38° 0' 55.8"
Longitude (West):	121.7635 - 121° 45' 48.6"
Universal Transverse Mercator:	Zone 10
UTM X (Meters):	608543.3
UTM Y (Meters):	4208050.5
Elevation:	10 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	38121-A7 ANTIOCH NORTH, CA
Most Recent Revision:	1978
East Map:	38121-A6 JERSEY ISLAND, CA
Most Recent Revision:	1978

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

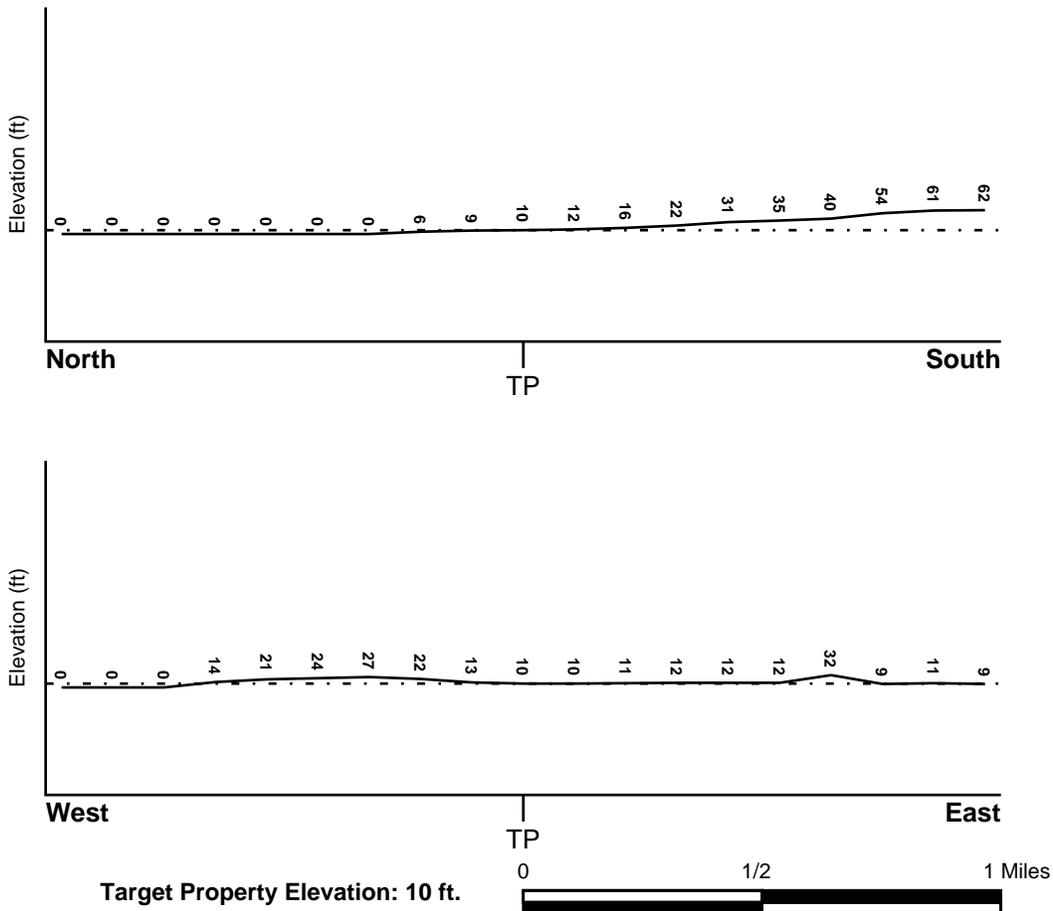
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> CONTRA COSTA, CA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	0600250145B
Additional Panels in search area:	0602620690C 0602620670C 0600250175B 0600260002D 0600260003C

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> ANTIOCH NORTH	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
---	---

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

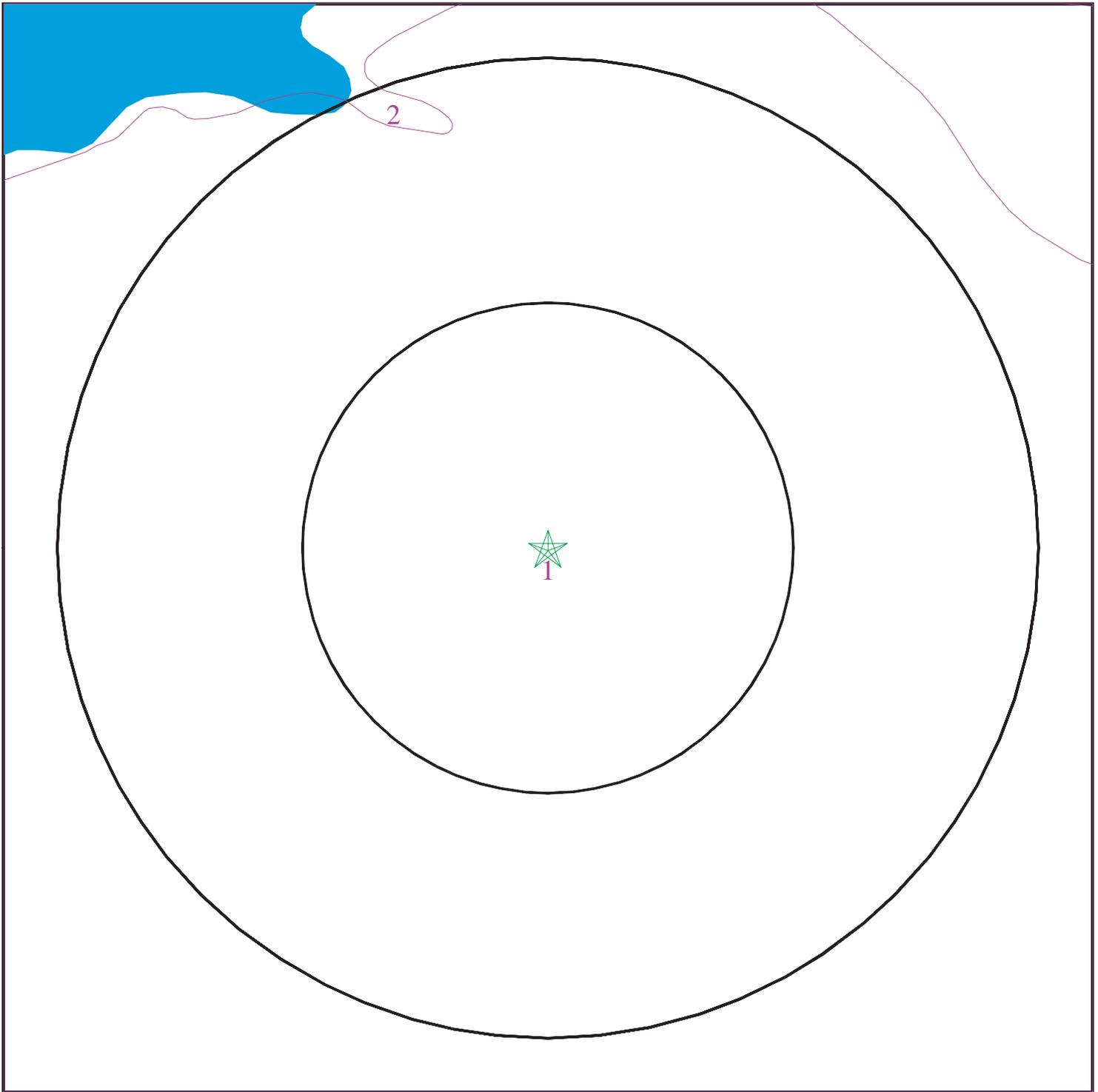
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 2069156.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Contra Costa Power Plant
ADDRESS: 3201 Wilbur Avenue
Antioch CA 94509
LAT/LONG: 38.0155 / 121.7635

CLIENT: URS Corporation
CONTACT: Katherine Brady
INQUIRY #: 2069156.2s
DATE: November 02, 2007 5:57 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: DELHI

Soil Surface Texture: sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.30 Min: 6.10
2	5 inches	60 inches	sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 6.60

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: WATER

Soil Surface Texture: Not reported

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Bedrock Max: > 0 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A2	USGS3227921	1/4 - 1/2 Mile WSW
A3	USGS3227920	1/4 - 1/2 Mile WSW
5	USGS3227913	1/4 - 1/2 Mile WSW
7	USGS3227864	1/2 - 1 Mile South
8	USGS3227868	1/2 - 1 Mile SSW
10	USGS3227860	1/2 - 1 Mile SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

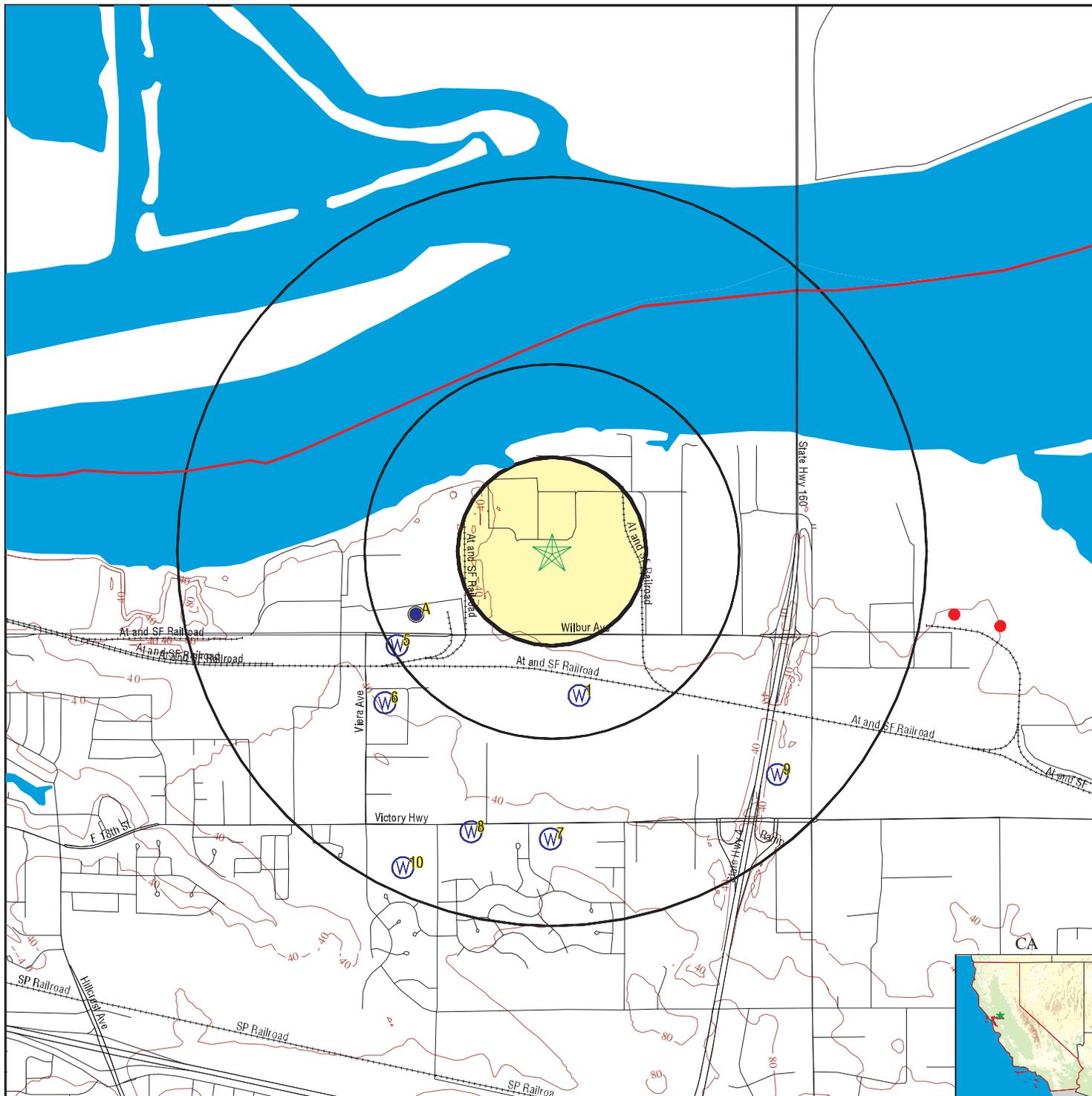
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	1682	1/4 - 1/2 Mile South
A4	1679	1/4 - 1/2 Mile WSW
6	1680	1/2 - 1 Mile SW
9	1683	1/2 - 1 Mile SE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>DISTANCE FROM TP (Miles)</u>	<u>DISTANCE FROM TP (Miles)</u>
1 - 2 Miles East	1 - 2 Miles East

PHYSICAL SETTING SOURCE MAP - 2069156.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells



SITE NAME: Contra Costa Power Plant
 ADDRESS: 3201 Wilbur Avenue
 Antioch CA 94509
 LAT/LONG: 38.0155 / 121.7635

CLIENT: URS Corporation
 CONTACT: Katherine Brady
 INQUIRY #: 2069156.2s
 DATE: November 02, 2007 5:57 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
South
1/4 - 1/2 Mile
Higher

CA WELLS 1682

Water System Information:

Prime Station Code:	02N/02E-21C01 M	User ID:	07C
FRDS Number:	0707554001	County:	Contra Costa
District Number:	37	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	380036.0 1214540.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	0707554		
System Name:	RIVERVIEW MOTEL		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		
Sample Collected:	03/13/2002 00:00:00	Findings:	8.7 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/13/2002 00:00:00	Findings:	9.4 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/12/2002 00:00:00	Findings:	9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/12/2002 00:00:00	Findings:	9 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/18/2003 00:00:00	Findings:	9.2 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/19/2003 00:00:00	Findings:	9.8 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	09/15/2003 00:00:00	Findings:	11 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/11/2003 00:00:00	Findings:	11 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	03/11/2004 00:00:00	Findings:	8.6 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	06/08/2004 00:00:00	Findings:	9.5 MG/L
Chemical:	NITRATE (AS NO3)		

A2
WSW
1/4 - 1/2 Mile
Higher

FED USGS USGS3227921

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	380048121460902
Site name:	002N002E17R003M		
Latitude:	380048		
Longitude:	1214609	Dec lat:	38.01325455
Dec lon:	-121.77023255	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	013
Country:	US	Land net:	SESE S17 T02N R02E M
Location map:	ANTIOCH NORTH	Map scale:	24000
Altitude:	30.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper ChowchillaUpper Fresno. California. Area = 938 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19720301
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	102	Hole depth:	102
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1978-04-20	Ground water data end date:	1982-09-24
Ground water data count:	8		

Ground-water levels, Number of Measurements: 8

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1982-09-24	24.38		1982-04-28	23.48	
1981-09-17	25.12		1981-04-20	24.71	
1980-09-26	24.47				
Note: Foreign substance was present on the surface of the water.					
1980-04-10	21.8		1979-09-24	25.30	
1978-04-20	23.73				

**A3
WSW
1/4 - 1/2 Mile
Higher**

FED USGS USGS3227920

Agency cd:	USGS	Site no:	380048121460901
Site name:	002N002E17R002M		
Latitude:	380048		
Longitude:	1214609	Dec lat:	38.01325455
Dec lon:	-121.77023255	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	013
Country:	US	Land net:	SESE S17 T02N R02E M
Location map:	ANTIOCH NORTH	Map scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 30.00
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 10
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Upper ChowchillaUpper Fresno. California. Area = 938 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: Not Reported
 Date inventoried: Not Reported Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: ALLUVIUM (QUATERNARY)
 Well depth: 67.0 Hole depth: 67.0
 Source of depth data: Not Reported
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 1972-09-20
 Water quality data end date: 1979-04-17 Water quality data count: 17
 Ground water data begin date: 1972-07-20 Ground water data end date: 1982-09-24
 Ground water data count: 28

Ground-water levels, Number of Measurements: 28

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1982-09-24	24.86		1982-04-28	23.98	
1981-09-17	26.72		1981-04-20	26.47	
1980-09-26	25.35		1980-04-10	24.4	
1979-09-24	26.15		1979-04-17	25.46	
1978-09-25	26.36				
	Note: A nearby site that taps the same aquifer was being pumped.				
1978-04-20	24.60				
1977-09-13	28.14				
	Note: A nearby site that taps the same aquifer was being pumped.				
1977-04-26	29.17				
	Note: A nearby site that taps the same aquifer was being pumped.				
1976-09-16	28.63				
	Note: A nearby site that taps the same aquifer was being pumped.				
1976-04-14	26.29				
	Note: A nearby site that taps the same aquifer was being pumped.				
1975-09-17	27.87				
	Note: A nearby site that taps the same aquifer was being pumped.				
1975-04-08	26.33				
	Note: A nearby site that taps the same aquifer was being pumped.				
1974-09-24	27.03				
	Note: A nearby site that taps the same aquifer was being pumped.				
1974-03-12	24.97				
	Note: A nearby site that taps the same aquifer was being pumped.				
1973-10-04	28.64				
	Note: A nearby site that taps the same aquifer was being pumped.				
1973-05-24	24.89				
1973-03-22	25.23				
	Note: A nearby site that taps the same aquifer was being pumped.				
1973-02-20	25.83				
1973-01-24	26.00				
	Note: A nearby site that taps the same aquifer was being pumped.				
1972-12-20	26.89				
	Note: A nearby site that taps the same aquifer was being pumped.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1972-11-15	28.91				
Note: A nearby site that taps the same aquifer was being pumped.					
1972-09-20	28.62				
Note: A nearby site that taps the same aquifer was being pumped.					
1972-08-23	26.49		1972-07-20	25.95	

A4
WSW
1/4 - 1/2 Mile
Higher

CA WELLS 1679

Water System Information:

Prime Station Code: 02N/02E-20A01 M	User ID: 07C
FRDS Number: 0707522001	County: Contra Costa
District Number: 37	Station Type: WELL/AMBNT/MUN/INTAKE
Water Type: Well/Groundwater	Well Status: Active Raw
Source Lat/Long: 380046.0 1214608.0	Precision: 1,000 Feet (10 Seconds)
Source Name: WELL 03	
System Number: 0707522	
System Name: LOUISIANA PACIFIC	
Organization That Operates System:	
	Not Reported
Pop Served: Unknown, Small System	Connections: Unknown, Small System
Area Served: Not Reported	

5
WSW
1/4 - 1/2 Mile
Higher

FED USGS USGS3227913

Agency cd: USGS	Site no: 380043121461201
Site name: 002N002E20A001M	
Latitude: 380043	
Longitude: 1214612	Dec lat: 38.0118657
Dec lon: -121.77106589	Coor meth: M
Coor acc: S	Latlong datum: NAD27
Dec latlong datum: NAD83	District: 06
State: 06	County: 013
Country: US	Land net: NENE S20 T02N R02E G
Location map: ANTIOCH NORTH	Map scale: 24000
Altitude: 30.00	
Altitude method: Interpolated from topographic map	
Altitude accuracy: 10	
Altitude datum: National Geodetic Vertical Datum of 1929	
Hydrologic: Upper Chowchilla/Upper Fresno. California. Area = 938 sq.mi.	
Topographic: Flat surface	
Site type: Ground-water other than Spring	Date construction: 19480101
Date inventoried: Not Reported	Mean greenwich time offset: PST
Local standard time flag: Y	
Type of ground water site: Single well, other than collector or Ranney type	
Aquifer Type: Not Reported	
Aquifer: ALLUVIUM (QUATERNARY)	
Well depth: 78.0	Hole depth: 78.0
Source of depth data: Not Reported	
Project number: 479435800	
Real time data flag: 0	Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00	Daily flow data count: 0
Peak flow data begin date: 0000-00-00	Peak flow data end date: 0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1982-09-24
 Ground water data begin date: 1948-01-01
 Ground water data count: 1

Water quality data begin date: 1957-02-04
 Water quality data count: 44
 Ground water data end date: 1948-01-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1948-01-01	31.00	

**6
SW
1/2 - 1 Mile
Higher**

CA WELLS 1680

Water System Information:

Prime Station Code:	02N/02E-20A02 M	User ID:	07C
FRDS Number:	0707506001	County:	Contra Costa
District Number:	37	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	380035.0 1214614.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	0707506		
System Name:	SANTA FE APARTMENTS		
Organization That Operates System:	Not Reported		
Pop Served:	Unknown, Small System	Connections:	Unknown, Small System
Area Served:	Not Reported		
Sample Collected:	12/18/2003 00:00:00	Findings:	48 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/16/2004 00:00:00	Findings:	32 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/27/2005 00:00:00	Findings:	42 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	12/20/2006 00:00:00	Findings:	51 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	01/31/2007 00:00:00	Findings:	29 MG/L
Chemical:	NITRATE (AS NO3)		

**7
South
1/2 - 1 Mile
Higher**

FED USGS USGS3227864

Agency cd:	USGS	Site no:	380016121454501
Site name:	002N002E21L001M		
Latitude:	380016	Dec lat:	38.00436596
Longitude:	1214545	Coor meth:	M
Dec lon:	-121.76356558	Latlong datum:	NAD27
Coor accr:	S	District:	06
Dec latlong datum:	NAD83	County:	013
State:	06	Land net:	NENWSES21 T02N R02E M
Country:	US	Map scale:	24000
Location map:	ANTIOCH NORTH		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 50.00
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 10
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Upper Chowchilla Upper Fresno. California. Area = 938 sq.mi.
 Topographic: Hillside (slope)
 Site type: Ground-water other than Spring Date construction: 19620101
 Date inventoried: Not Reported Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: ALLUVIUM (QUATERNARY)
 Well depth: 140 Hole depth: 140
 Source of depth data: Not Reported
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 1972-09-20
 Water quality data end date: 1982-09-24 Water quality data count: 26
 Ground water data begin date: 1962-01-01 Ground water data end date: 1980-04-10
 Ground water data count: 2

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1980-04-10	22.8		1980-04-10	22.8	
1962-01-01	50.00		1962-01-01	50.00	

8

**SSW
1/2 - 1 Mile
Higher**

FED USGS USGS3227868

Agency cd: USGS Site no: 380017121455901
 Site name: 002N002E21K001M
 Latitude: 380017 Dec lat: 38.00464372
 Longitude: 1214559 Coord meth: M
 Dec lon: -121.76745459 Latlong datum: NAD27
 Coord acc: S District: 06
 Dec latlong datum: NAD83 County: 013
 State: 06 Country: US Land net: NWNWSES21 T02N R02E M
 Location map: ANTIOCH NORTH Map scale: 24000
 Altitude: 44.00
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 10
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: San Joaquin Delta. California. Area = 938 sq.mi.
 Topographic: Flat surface
 Site type: Ground-water other than Spring Date construction: 19520501
 Date inventoried: Not Reported Mean greenwich time offset: PST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: ALLUVIUM (QUATERNARY)
 Well depth: 120 Hole depth: 120
 Source of depth data: Not Reported
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 1982-09-24
 Ground water data begin date: 0000-00-00
 Ground water data count: 0

Water quality data begin date: 1972-06-22
 Water quality data count: 26
 Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

9
SE
1/2 - 1 Mile
Higher

CA WELLS 1683

Water System Information:

Prime Station Code:	02N/02E-21H01 M	User ID:	07C
FRDS Number:	0707548001	County:	Contra Costa
District Number:	37	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	380025.0 1214505.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 01		
System Number:	0707548		
System Name:	LODGE WATER SYSTEM		
Organization That Operates System:			
Pop Served:	Not Reported	Connections:	Unknown, Small System
Area Served:	Unknown, Small System		

10
SSW
1/2 - 1 Mile
Higher

FED USGS USGS3227860

Agency cd:	USGS	Site no:	380012121461101
Site name:	002N002E20J001M		
Latitude:	380012		
Longitude:	1214611	Dec lat:	38.00325487
Dec lon:	-121.770788	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	06
State:	06	County:	013
Country:	US	Land net:	NESE S20 T02N R02E M
Location map:	ANTIOCH NORTH	Map scale:	24000
Altitude:	45.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Upper ChowchillaUpper Fresno. California. Area = 938 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	18700101
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	ALLUVIUM (QUATERNARY)		
Well depth:	95.0	Hole depth:	95.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0

Water quality data end date: 1982-09-23

Ground water data begin date: 0000-00-00

Ground water data count: 0

Water quality data begin date: 1972-06-22

Water quality data count: 29

Ground water data end date: 0000-00-00

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction _____ Database _____ EDR ID Number _____
 Distance _____

East
1 - 2 Miles

OIL_GAS CA2000000179539

Apinumber:	01300608	Operator:	E. I. du PONT de NEMOURS & Co. INC.
Lease:	WWD	Well no:	1
Field:	Not Reported	Area:	Not Reported
Map:	Not Reported	Status cod:	016
Source:	HUD		
Latitude:	38.01314		
Longitude:	-121.74275		
Td:	10		
Sec:	15		
Twn:	2N	Rge:	2E
Bm:	MD		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	08/01/1955 00:00:00
Abanddate:	01/01/1933 00:00:00	Comments:	Not Reported
District:	6	Site id:	CA2000000179539

East
1 - 2 Miles

OIL_GAS CA2000000179538

Apinumber:	01320057	Operator:	Great Yellowstone Corp.
Lease:	Du Pont	Well no:	2
Field:	Not Reported	Area:	Not Reported
Map:	Not Reported	Status cod:	007
Source:	HUD		
Latitude:	38.01269		
Longitude:	-121.7405		
Td:	10		
Sec:	15		
Twn:	2N	Rge:	2E
Bm:	MD		
X coord:	0		
Y coord:	0		
Zone:	Not Reported	Spuddate:	10/17/1969 00:00:00
Abanddate:	08/02/1969 00:00:00	Comments:	Not Reported
District:	6	Site id:	CA2000000179538

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
94509	5	0	0.00

Federal EPA Radon Zone for CONTRA COSTA County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 94509

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

HYDROLOGIC INFORMATION

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

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Health Services

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Department of Conservation

Telephone: 916-323-1779

RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

© 2007 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX D
HISTORICAL DOCUMENTATION

The EDR Aerial Photo Decade Package

**Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, CA 94509**

Inquiry Number: 2069156.5

November 06, 2007



EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

Date EDR Searched Historical Sources:

Aerial Photography November 06, 2007

Target Property:

3201 Wilbur Avenue

Antioch, CA 94509

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1952	Aerial Photograph. Scale: 1"=555'	Flight Year: 1952	Pacific Air
1958	Aerial Photograph. Scale: 1"=555'	Flight Year: 1958	Cartwright
1965	Aerial Photograph. Scale: 1"=333'	Flight Year: 1965	Cartwright
1970	Aerial Photograph. Scale: 1"=333'	Flight Year: 1970	Cartwright
1984	Aerial Photograph. Scale: 1"=690'	Flight Year: 1984	WSA
1993	Aerial Photograph. Scale: 1"=666'	Flight Year: 1993	USGS
1998	Aerial Photograph. Scale: 1"=666'	Flight Year: 1998	USGS



INQUIRY #: 2069156.5

YEAR: 1952

| = 555'





INQUIRY #: 2069156.5

YEAR: 1958

| = 555'



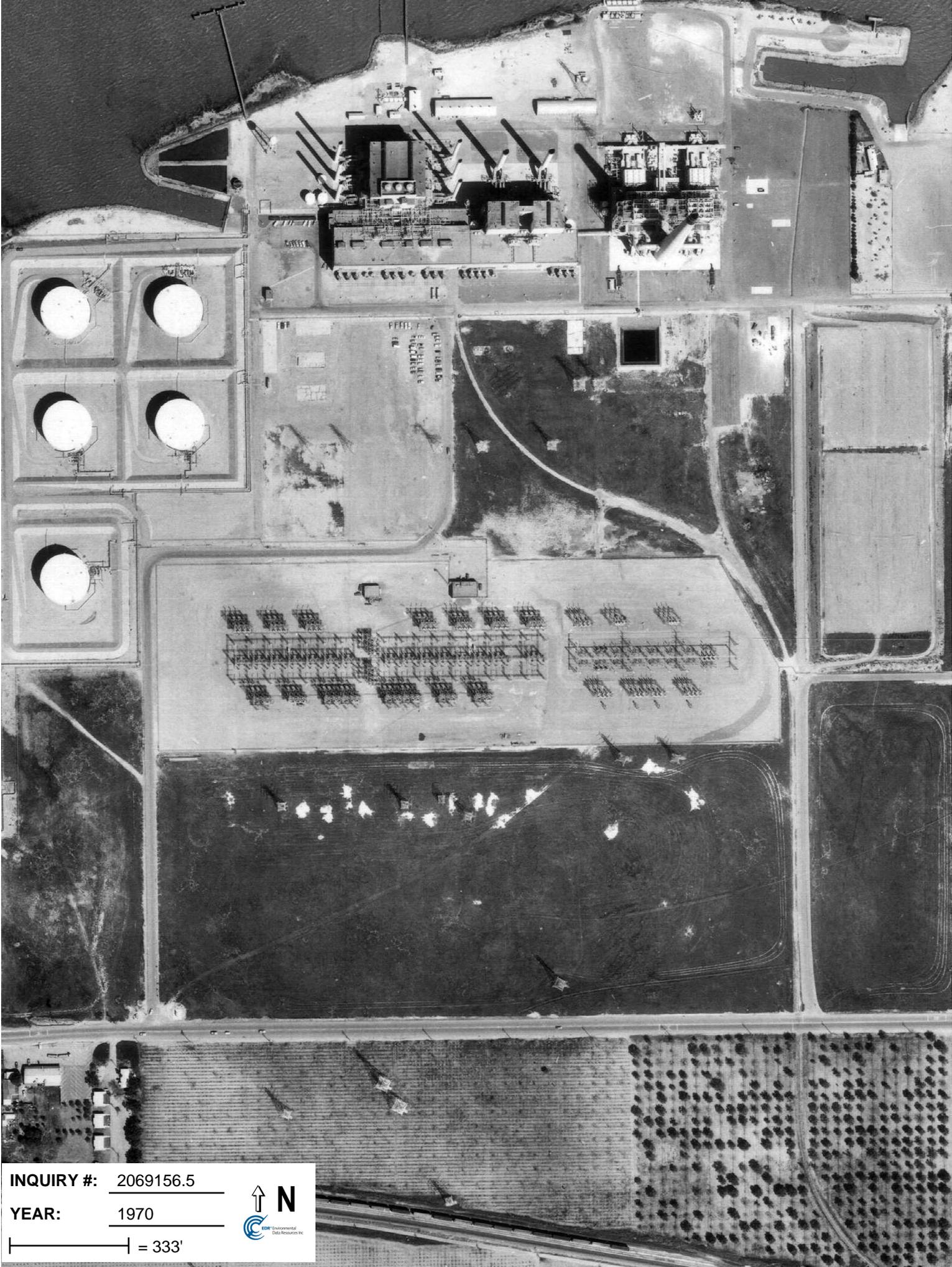


INQUIRY #: 2069156.5

YEAR: 1965

| = 333'





INQUIRY #: 2069156.5

YEAR: 1970

| = 333'





INQUIRY #: 2069156.5

YEAR: 1984

| = 690'





INQUIRY #: 2069156.5

YEAR: 1993

| = 666'





INQUIRY #: 2069156.5

YEAR: 1998

| = 666'



EDR Historical Topographic Map Report

**Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, CA 94509**

Inquiry Number: 2069156.4

November 05, 2007



EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

Historical Topographic Map



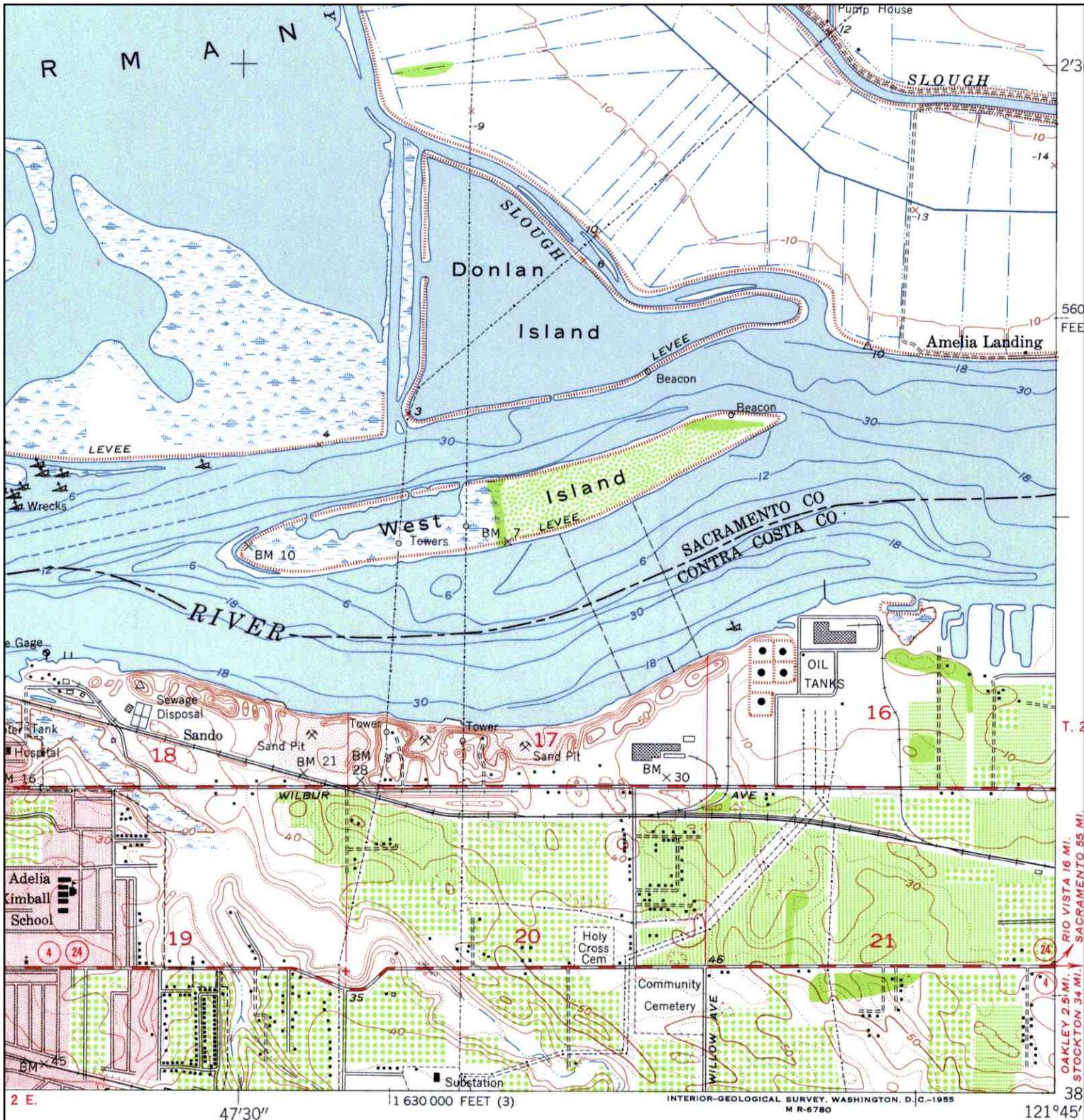
	TARGET QUAD	SITE NAME:	Contra Costa Power Plant	CLIENT:	URS Corporation
	NAME: ANTIOCH	ADDRESS:	3201 Wilbur Avenue	CONTACT:	Katherine Brady
	MAP YEAR: 1908	LAT/LONG:	38.0155 / 121.7635	INQUIRY#:	2069156.4
	SERIES: 15			RESEARCH DATE:	11/05/2007
	SCALE: 1:62500				

Historical Topographic Map



<p>N</p>	TARGET QUAD	SITE NAME:	Contra Costa Power Plant	CLIENT:	URS Corporation
	NAME: COLLINSVILLE	ADDRESS:	3201 Wilbur Avenue	CONTACT:	Katherine Brady
	MAP YEAR: 1918	LAT/LONG:	38.0155 / 121.7635	INQUIRY#:	2069156.4
	SERIES: 7.5			RESEARCH DATE:	11/05/2007
	SCALE: 1:31680				

Historical Topographic Map



	TARGET QUAD	SITE NAME:	CLIENT:
	NAME: ANTIOCH NORTH	Contra Costa Power Plant	URS Corporation
	MAP YEAR: 1953	ADDRESS: 3201 Wilbur Avenue Antioch, CA 94509	CONTACT: Katherine Brady
	SERIES: 7.5	LAT/LONG: 38.0155 / 121.7635	INQUIRY#: 2069156.4
	SCALE: 1:24000		RESEARCH DATE: 11/05/2007

Historical Topographic Map



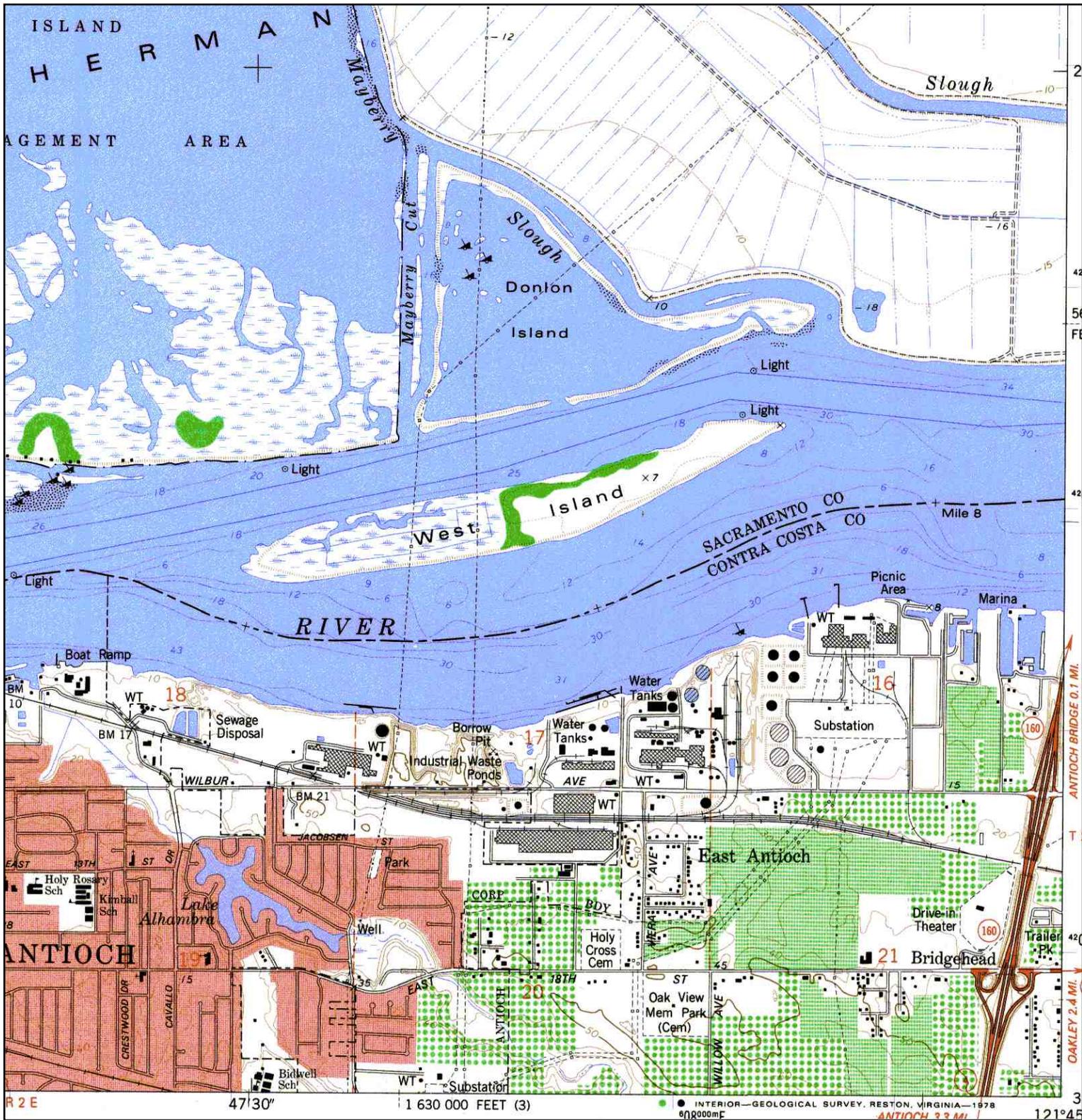
	TARGET QUAD	SITE NAME:	Contra Costa Power Plant	CLIENT:	URS Corporation
	NAME: PITTSBURG	ADDRESS:	3201 Wilbur Avenue	CONTACT:	Katherine Brady
	MAP YEAR: 1953	LAT/LONG:	38.0155 / 121.7635	INQUIRY#:	2069156.4
	SERIES: 15			RESEARCH DATE:	11/05/2007
	SCALE: 1:62500				

Historical Topographic Map



<p>N ↑</p>	TARGET QUAD	SITE NAME:	Contra Costa Power Plant	CLIENT:	URS Corporation
	NAME: ANTIPOCH NORTH	ADDRESS:	3201 Wilbur Avenue	CONTACT:	Katherine Brady
	MAP YEAR: 1968	LAT/LONG:	38.0155 / 121.7635	INQUIRY#:	2069156.4
	PHOTOREVISED FROM: 1953			RESEARCH DATE:	11/05/2007
	SERIES: 7.5				
	SCALE: 1:24000				

Historical Topographic Map



<p>N</p>	TARGET QUAD	SITE NAME:	Contra Costa Power Plant	CLIENT:	URS Corporation
	NAME: ANTIOCH NORTH	ADDRESS:	3201 Wilbur Avenue	CONTACT:	Katherine Brady
	MAP YEAR: 1978	LAT/LONG:	38.0155 / 121.7635	INQUIRY#:	2069156.4
	SERIES: 7.5			RESEARCH DATE:	11/05/2007
	SCALE: 1:24000				

Certified Sanborn® Map Report



Sanborn® Library search results
Certification # 91E6-4B88-939E

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, CA 94509

Inquiry Number 2069156.3s

November 05, 2007



The Standard in Environmental Risk Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

Certified Sanborn® Map Report

11/05/07

Site Name:

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, CA 94509

Client Name:

URS Corporation
221 Main Street
San Francisco, CA 94105



EDR® Environmental
Data Resources Inc

EDR Inquiry # 2069156.3s

Contact: Katherine Brady

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by URS Corporation were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Contra Costa Power Plant
Address: 3201 Wilbur Avenue
City, State, Zip: Antioch, CA 94509
Cross Street:
P.O. # 28067344
Project: Contra Costa Ph
Certification # 91E6-4B88-939E



Sanborn® Library search results
Certification # 91E6-4B88-939E

UNMAPPED PROPERTY

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

Total Maps: 0

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

Limited Permission To Make Copies

URS Corporation (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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



EDR® Environmental
Data Resources Inc

The EDR-City Directory
Abstract

Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, CA 94509
Inquiry Number: 2069156.6

Tuesday, November 06, 2007

**The Standard in
Environmental Risk
Information**

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

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

SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1971 through 2006. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: November 6, 2007

Target Property:

3201 Wilbur Avenue
Antioch, CA 94509

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Address Not Listed in Research Source	Haines Criss-Cross Directory
1976	Address Not Listed in Research Source	Haines Criss-Cross Directory
1981	Address Not Listed in Research Source	Haines Criss-Cross Directory
1986	Address Not Listed in Research Source	Haines Criss-Cross Directory
1991	Address Not Listed in Research Source	Haines Criss-Cross Directory
1996	Address Not Listed in Research Source	Haines Criss-Cross Directory
2001	Mirant Corp	Haines Criss-Cross Directory
2006	Mirant Corp	Haines Criss-Cross Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Antioch, CA 94509

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Address Not Listed in Research Source	Haines Criss-Cross Directory
1976	Address Not Listed in Research Source	Haines Criss-Cross Directory
1981	Address Not Listed in Research Source	Haines Criss-Cross Directory
1986	Address Not Listed in Research Source	Haines Criss-Cross Directory
1991	Address Not Listed in Research Source	Haines Criss-Cross Directory
1996	Address Not Listed in Research Source	Haines Criss-Cross Directory
2001	<u>**Wilbur Avenue**</u>	Haines Criss-Cross Directory
	No Return (3200)	Haines Criss-Cross Directory
	Sportsmen Yacht Club (3301)	Haines Criss-Cross Directory
	Residence (3305)	Haines Criss-Cross Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2001	Logan's Bait & Tackle & Gift Shop (3307)	Haines Criss-Cross Directory
	No other addresses in 3100-3307 range	Haines Criss-Cross Directory
2006	<u>**Wilbur Avenue**</u>	Haines Criss-Cross Directory
	No Return (3200)	Haines Criss-Cross Directory
	Sportsmen Yacht Club (3301)	Haines Criss-Cross Directory
	Residence (3305)	Haines Criss-Cross Directory
	Logan's Bait & Tackle & Gift Shop (3307)	Haines Criss-Cross Directory
	No other addresses in 3100-3307 range	Haines Criss-Cross Directory

APPENDIX E
PREVIOUS REPORTS

CDM

Camp Dresser & McKee

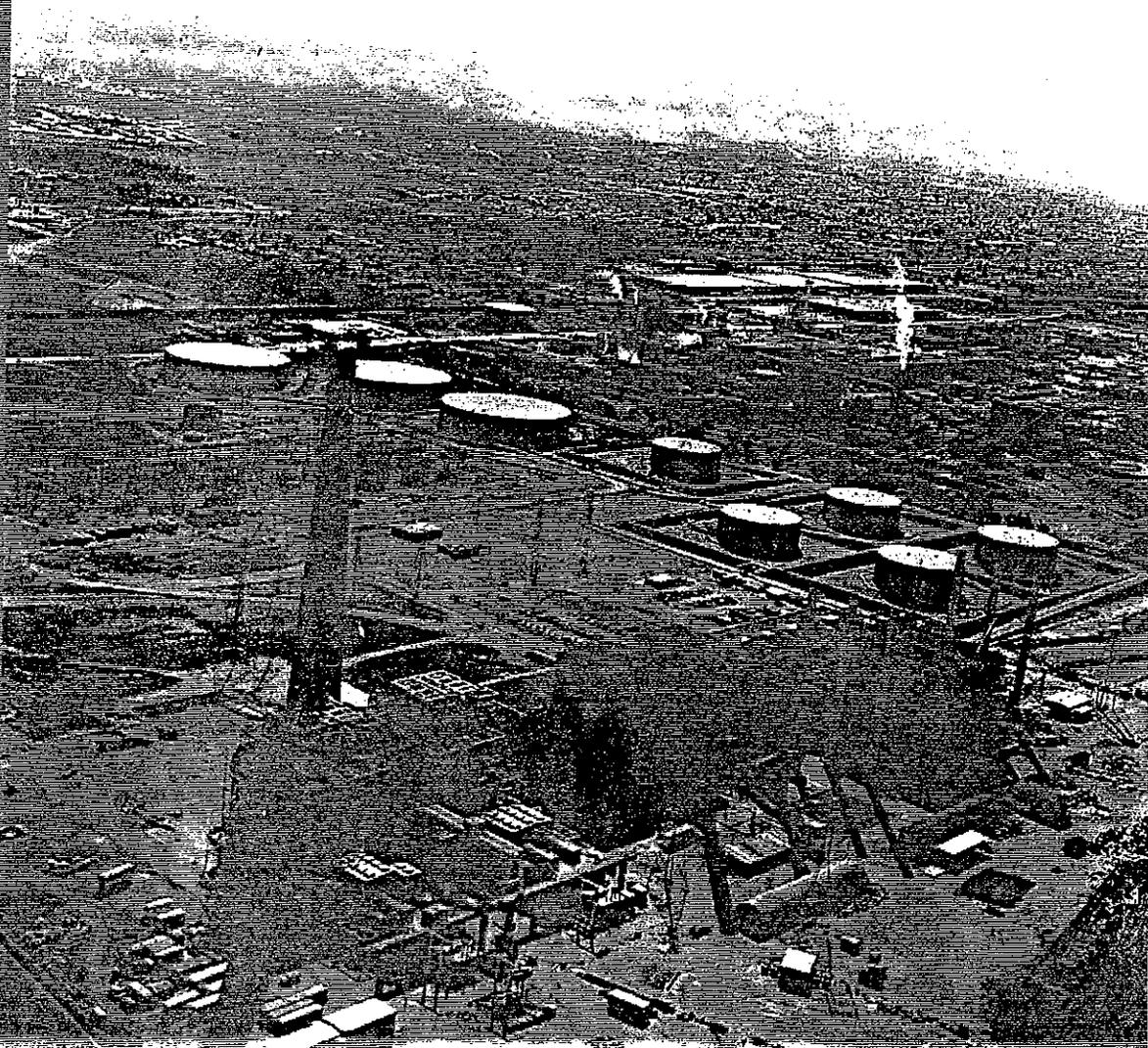
Phase I EISA



**Pacific Gas and Electric
Company**

**Phase I
Environmental Site Assessment**

**Contra Costa Power Plant
Antioch, California**



October 1997

Pacific Gas and Electric Company

**Phase I Environmental Site Assessment
Contra Costa Power Plant
3201 Wilbur Avenue
Antioch, California**

October 1997

Contents

<i>Section 1.0</i>	<i>Executive Summary</i>	1-1
<i>Section 2.0</i>	<i>Introduction</i>	2-1
	2.1 Purpose	2-1
	2.2 Description of Work	2-1
	2.3 Limitations and Exceptions to Assessment	2-2
<i>Section 3.0</i>	<i>Site Description</i>	3-1
	3.1 Location and Site Description	3-1
	3.2 Description of Operations	3-1
	3.3 Vicinity Characteristics	3-7
	3.4 Environmental Setting	3-7
<i>Section 4.0</i>	<i>Records Review</i>	4-1
	4.1 Site History	4-1
	4.2 Standard Environmental Record Sources	4-2
	4.3 Additional Record Sources	4-4
	4.4 Aerial Photographs and Topographic Maps	4-4
<i>Section 5.0</i>	<i>Results of Site Reconnaissance, Records Review and Interviews</i>	5-1
	5.1 Hazardous Substances	5-2
	5.2 Solid Waste/Non-Hazardous Waste	5-17
	5.3 Polychlorinated Biphenyls	5-18
	5.4 Asbestos-Containing Material	5-19
	5.5 Storage Tanks	5-19
	5.6 Herbicides and Pesticides	5-22
	5.7 Potable Water	5-23
	5.8 Wastewater and Stormwater	5-23
	5.9 Lead-Based Paint	5-26
<i>Section 6.0</i>	<i>Conclusions</i>	6-1
<i>Section 7.0</i>	<i>Signatures of Environmental Professionals</i>	7-1
<i>Section 8.0</i>	<i>Qualifications of Environmental Professionals</i>	8-1

<i>Appendix A</i>	Site Reconnaissance and Aerial Photographs Appendix A1 Site Reconnaissance Photographs Appendix A2 Aerial Photographs
<i>Appendix B</i>	List of Information Reviewed
<i>Appendix C</i>	VISTA Database Report
<i>Appendix D</i>	Hazardous Substance Inventory

List of Figures

	<i>Follows Page</i>
<i>Figure 1-1</i>	Plant Overview 1-1
<i>Figure 3-1</i>	Site Location Map 3-1
<i>Figure 3-2</i>	1992 Plant Aerial Photograph 3-1
<i>Figure 3-3</i>	Functional Areas 3-1
<i>Figure 3-4</i>	Water Flow Schematic 3-1
<i>Figure 3-5a</i>	Plant Layout 3-1
<i>Figure 3-5b</i>	Plant Layout 3-2
<i>Figure 3-6</i>	Oil/Water Separator and Demineralizer Systems 3-2
<i>Figure 3-7</i>	Surrounding Properties 3-2

List of Tables

	<i>Page</i>
<i>Table 3-1</i>	Power Generation Units 3-3
<i>Table 4-1</i>	Key Environmental Database Records 4-3
<i>Table 4-2</i>	Aerial Photographs and Topographic Maps Reviewed 4-4
<i>Table 5-1</i>	Fuel Tank Specifications 5-2
<i>Table 5-2</i>	1994 Hazardous Waste Quantities 5-7
<i>Table 5-3</i>	Solid Waste Management Units 5-13

Section 1.0

Executive Summary

Camp Dresser & McKee Inc. (CDM) was contracted by Pacific Gas and Electric Company (PG&E) to perform a Phase I Environmental Site Assessment (ESA) of its Contra Costa Power Plant (Plant) located on a 198-acre parcel of land at 3201 Wilbur Avenue in Antioch, California (hereafter also referred to as the "site") (see Figure 1-1, Plant Overview). This Phase I ESA was performed in general accordance with American Society for Testing and Materials (ASTM) standard designation E1527-94 with the purpose of identifying recognized environmental conditions¹ at the Plant. The results of the Phase I ESA were based upon information provided by PG&E personnel knowledgeable of operations at the Plant, information provided by regulatory agency personnel through interviews, review of regulatory agency files, review of pertinent historical documents, and observations of specific environmental conditions observed at the Plant made by CDM during CDM's onsite walkthroughs conducted on September 26 and 27 and October 3, 1996, and June 25, and August 12, 1997. The site was assessed for recognized environmental conditions with respect to hazardous substances, solid waste/non-hazardous waste, polychlorinated biphenyls, asbestos-containing material, storage tanks, herbicides and pesticides, water, wastewater, stormwater, and lead-based paint.

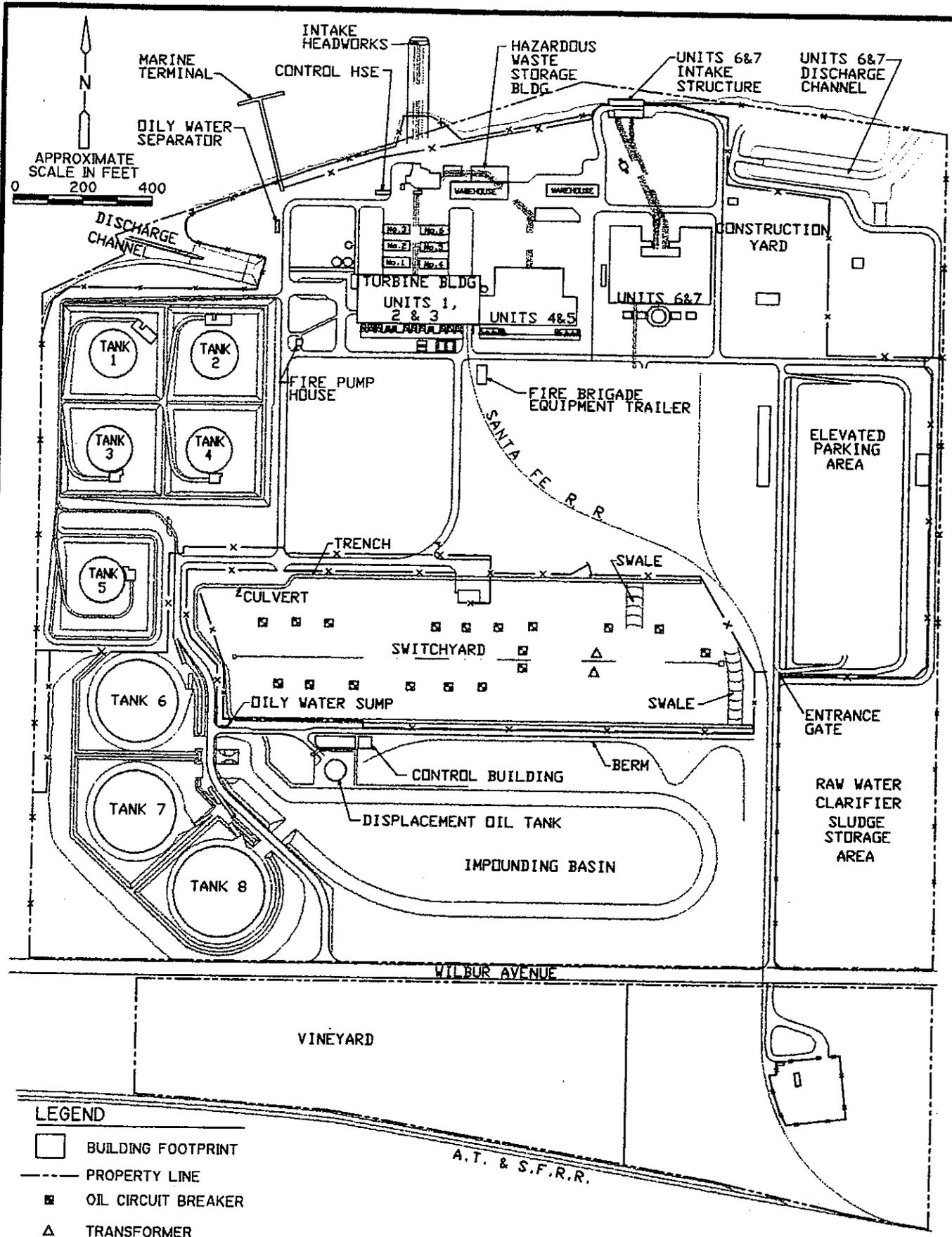
During the site walkthroughs, the Plant was observed to be well maintained. Upon reviewing site-specific information and interviewing Plant personnel, several recognized environmental conditions at the Plant were identified and are summarized in Section 6.0, Conclusions. No material recognized environmental conditions² were identified at the Plant.

This Executive Summary is not intended to be read as a stand alone document. The reader should review the detailed information regarding each item in Section 3.0, Site Description, Section 4.0, Records Review, and Section 5.0, Results of Site Reconnaissance, Records Review, and Interviews.

¹ As used in ASTM E1527-94, "recognized environmental conditions" means the following:

"the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies" (ASTM, 1994).

² Notwithstanding the need for investigation and/or remediation of a recognized environmental condition, a "material" recognized environmental condition may, in CDM's opinion, require extensive investigation and/or remedial efforts to address.



ADAPTED FROM: PG&E, 1994a.

PACIFIC GAS AND ELECTRIC COMPANY
CONTRA COSTA POWER PLANT

PLANT OVERVIEW

Figure 1-1



environmental engineers, scientists,
planners, & management consultants

Section 2.0

Introduction

This section describes the purpose of the study and presents the scope of work as well as limitations to the study.

2.1 Purpose

CDM was contracted by PG&E to perform a Phase I ESA of the site for the purpose of identifying recognized environmental conditions associated with the site.

2.2 Description of Work

The Phase I ESA work was performed in general conformity with CDM's *Phase I Environmental Site Assessment Guideline for Property Transactions*, dated April 1995, and with ASTM Standard Designation E1527-94 (ASTM, 1994). The work performed for the study consisted of the following tasks:

Records Review — CDM conducted a records review of the site and of adjoining and surrounding property. CDM's records review was consistent with ASTM E1527-94 recommendations and included a review of: (i) PG&E permits, programs, plans, internal correspondence, and other information available in PG&E files located at the site and at offsite locations; (ii) information available from regulatory agency databases; and (iii) regulatory agency files for the Plant and for offsite areas if further investigation was required based on information contained in regulatory databases. The records review included both environmental information and site use information.

CDM did not review the following governmental records noted in ASTM E1527-94:

- Property Tax Files
- Local Street Directories
- Building Department Records.

Site Walkthrough — CDM performed visual observations of the site and facilities and improvements located on the site, and visual observations of adjoining properties. CDM assessed the use, storage, and disposal of hazardous materials and hazardous waste at the site. In addition, CDM observed the use, storage, and disposal of hazardous materials and hazardous waste at adjoining properties to the extent possible from the site.

Interviews — CDM conducted interviews with persons familiar with the site and the past and present operation of the Plant, including PG&E personnel and regulatory government officials, where applicable. These personnel included:

- Key operation staff at the Plant (see Section 5.0, Results of Site Reconnaissance, Records Review, and Interviews).
- Regulatory government officials from:

- Regional Water Quality Control Board, Central Valley Region (RWQCB)
- Bay Area Air Quality Management District.

2.3 Limitations and Exceptions to Assessment

This Phase I ESA has been prepared for the use of PG&E and is intended to provide an understanding of the recognized environmental conditions at the site. The following limitations apply to the study conducted at the site:

1. This Phase I ESA is based upon data and information obtained by CDM as a result of the work described in Section 2.2 above. CDM's observations regarding the condition of the site are based solely upon the condition of the site on the date or dates of CDM's visit or visits to the site. Information, data, estimates, opinions and other references used to prepare this Phase I ESA were obtained by CDM from sources CDM considered reliable and believed to be true and correct. However, an independent investigation of the sources of information was not performed to determine their accuracy. CDM relied in good faith on information obtained from individuals noted in this Phase I ESA with respect to operations and existing site conditions, and the historic uses of the site to the extent that they have not been contradicted by data obtained from other sources. CDM accepts no responsibility for any deficiency, misstatement, or inaccuracy contained in this Phase I ESA as a result of misstatements, omissions, misrepresentations, or fraudulent acts of any person interviewed.
2. The evaluation and conclusions contained in this Phase I ESA have been prepared in light of the expertise and experience of CDM. CDM believes it has identified all recognized environmental conditions at the site. CDM warrants to PG&E that this Phase I ESA was performed with the degree of skill and care that is required by current, good and sound professional procedures and practices and in conformance with generally accepted professional standards prevailing at the time and place the work was performed. CDM makes no other warranty, either expressed or implied, regarding this Phase I ESA. The use of this Phase I ESA is subject to the terms and conditions set forth in the Contract for Consulting Services between CDM and PG&E executed August 8, 1996, as amended.

Section 3.0 Site Description

3.1 Location and Site Description

The PG&E Contra Costa Power Plant is located at 3201 Wilbur Avenue approximately 2.5 miles east of the City of Antioch, California, on the south bank of the San Joaquin River. The subject property occupies an approximately 198-acre parcel of land located in the southwest quarter of Section 16, Township 1 South, Range 2 East as depicted on the United States Geologic Survey (USGS) 7.5 Minute Quadrangle map of Antioch, California (see Figure 3-1, Site Location Map).

The Plant is bounded on the north and northwest for approximately 3,000 feet by the San Joaquin River and on the south by the Atchison, Topeka and Santa Fe Railroad tracks and right-of-way. Wilbur Avenue runs east and west through the southern section of the property (see Figure 3-2, 1992 Plant Aerial Photograph and Figure 3-3, Functional Areas).

3.2 Description of Operations

The Plant is a steam electric generation facility that uses natural gas and historically used No. 6 fuel oil to charge ten boilers. These boilers provide steam that rotates turbines to power the generators and produce electric current. This electric current is sent to the Switchyard, the location where numerous transmission lines of the same voltage are changed to the level of the interconnected system by transformers.

Natural gas is delivered by a transmission pipeline from PG&E's gas transmission system. Fuel oil received from PG&E's Pittsburg Power Plant via PG&E's Richmond-Antioch pipeline can be stored in eight large aboveground storage tanks (ASTs).

A marine terminal fuel oil loading dock extends from the northwest edge of the site approximately 300 feet into the San Joaquin River. This facility has not been used since September 1984 (USCG, 1984). The oil pipeline is drained and capped, and a 300-foot section has been removed (see Photograph 1).

The Plant cooling system uses a maximum of 378 million gallons per day of "once through" cooling water drawn from the San Joaquin River through two intake structures (RWQCB, 1995) (see Figures 3-4, Water Flow Schematic and 3-5a, Plant Layout). Cooling water circulates through condenser tubes that cool the steam used to rotate the turbines. The steam is condensed to water and the cooling water is returned to the San Joaquin River through two discharge channels: one at the northwest corner of the Plant (for Units 1 through 5); and the other at the northeast corner of the Plant (for Units 6 and 7) (see Figure 3-5a). After leaving the condenser, the boiler water is recirculated back to the boiler to again be heated to steam.

For this report, the Plant has been segregated into four areas to facilitate the presentation of site features and environmental conditions (see Figure 3-3). These areas are the Fuel Tank Farm which includes the marine terminal, the Switchyard, the Non-Operational Area, and the Power Generation and Operations Area. An additional area, Surrounding Properties, has been included for purposes

of identifying offsite environmental conditions that may have affected or could potentially affect the Plant. The five areas are described below. Individual structures and subareas at the Plant are identified on Figures 3-3, 3-5a, 3-5b, Plant Layout, and 3-6, Oil/Water Separator and Demineralizer Systems. Surrounding properties of interest are identified on Figure 3-7, Surrounding Properties.

Fuel Tank Farm

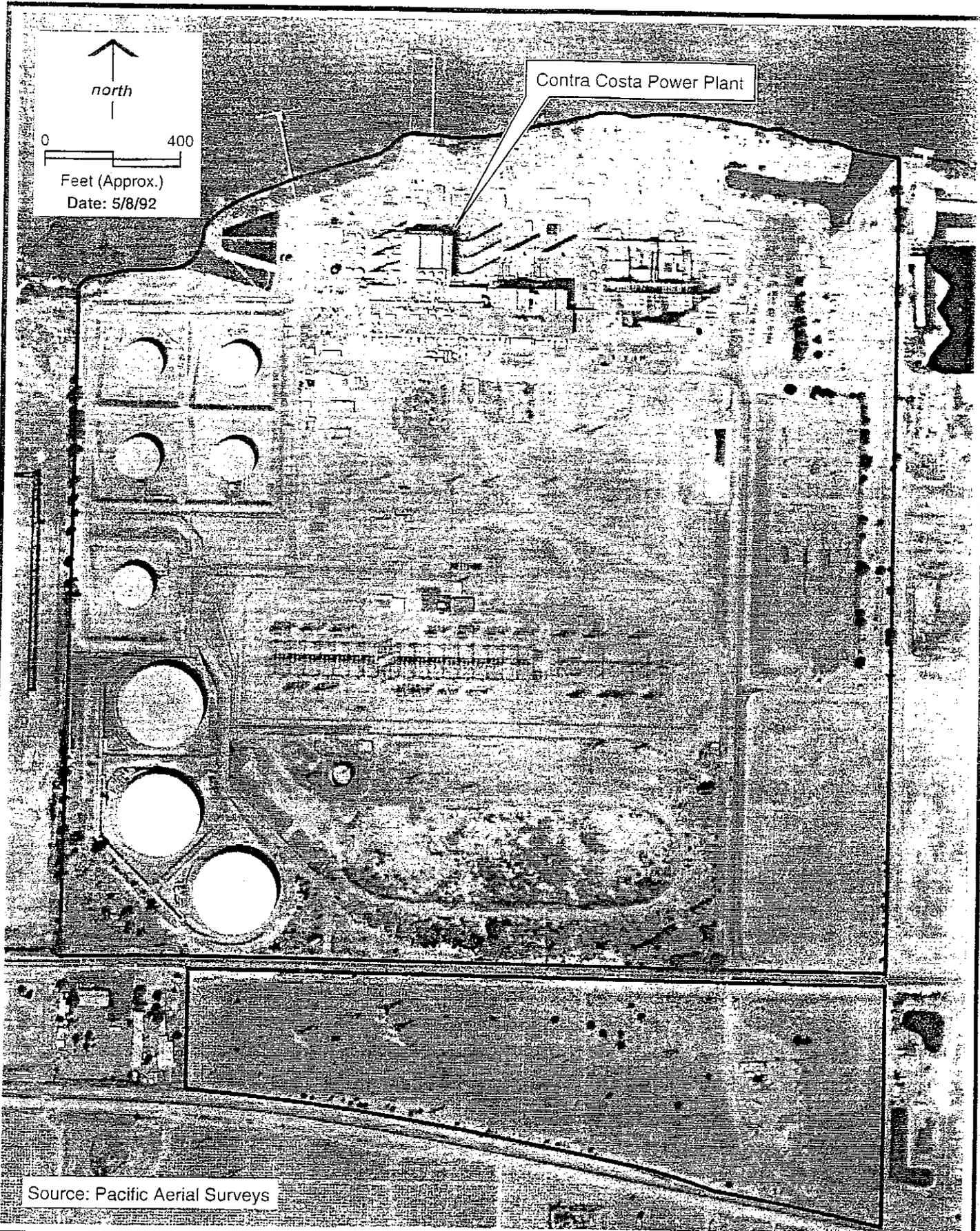
No. 6 fuel oil and displacement oil for the Plant are stored in the Fuel Tank Farm area (see Figure 3-3). The storage tanks and ancillary facilities are described as follows:

- *Tanks 1 through 5* - Five 120,000-barrel¹ ASTs are located along the west side of the Plant. Each tank is surrounded by a dike that is impervious to oil and will contain the full contents of the tank plus accumulated precipitation. The ground around each tank is generally unpaved.
- *Tanks 6, 7, and 8* - Three 500,000-barrel ASTs are located south of Tanks 1 through 5. Tanks 6, 7, and 8 are surrounded by a berm that will divert the flow of spilled oil into the impounding basin which serves as secondary containment.
- *Displacement Oil Tank* - The 53,000-barrel aboveground displacement oil tank is located east of Tanks 6, 7 and 8. The tank rests on paved ground that is partially surrounded by dikes and is also served by the impounding basin.
- *Impounding Basin* - The impounding basin is reported by Plant personnel to have a clay bottom. The basin serves as secondary containment for Tanks 6, 7 and 8 and the displacement oil tank and will contain a full-volume spill from one of these tanks with sufficient freeboard for precipitation. Portions of the area around the impounding basin are undeveloped.
- *Fuel Oil Supply Pipeline Scraper Station* - A pipeline scraper receiving station is located west of the displacement oil tank. (Pipeline scrapers are devices that are pumped through the pipeline to scrape deposits from the inside of the pipe walls.)
- *Oil Supply Manifold* - Valves and piping for distributing fuel among the storage tanks are located north of the displacement oil tank.
- *Marine Terminal* - An approximately 300-foot long pier used for unloading fuel oil extends into the San Joaquin River from the northwest shoreline of the Plant (see Figure 3-5a). This facility is currently not used.

¹ One barrel = 42 gallons.

north
0 400
Feet (Approx.)
Date: 5/8/92

Contra Costa Power Plant



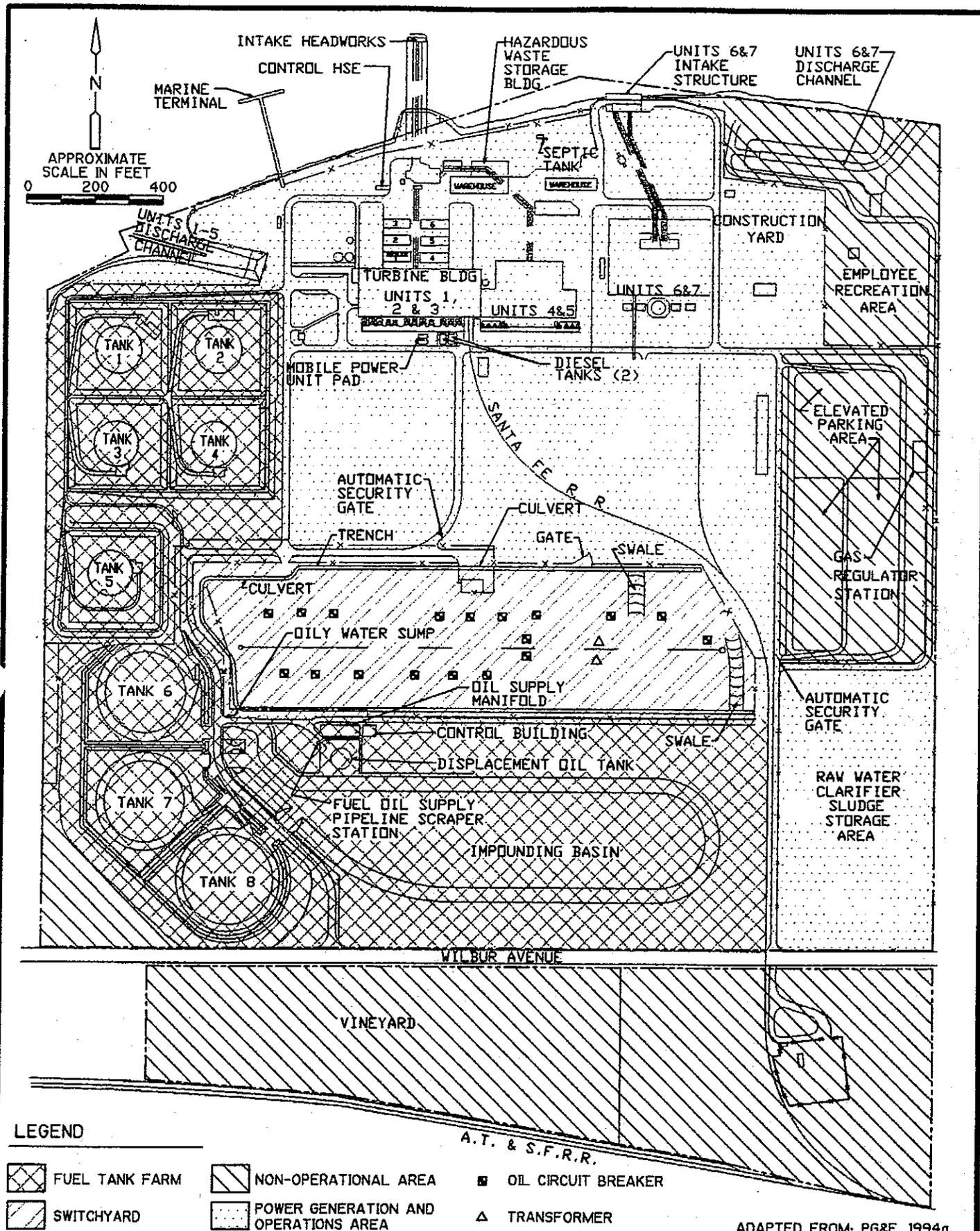
Source: Pacific Aerial Surveys

PACIFIC GAS AND ELECTRIC COMPANY
CONTRA COSTA POWER PLANT

1992 PLANT AERIAL PHOTOGRAPH

CDM
environmental engineers, scientists,
planners, & management consultants

Figure 3-2



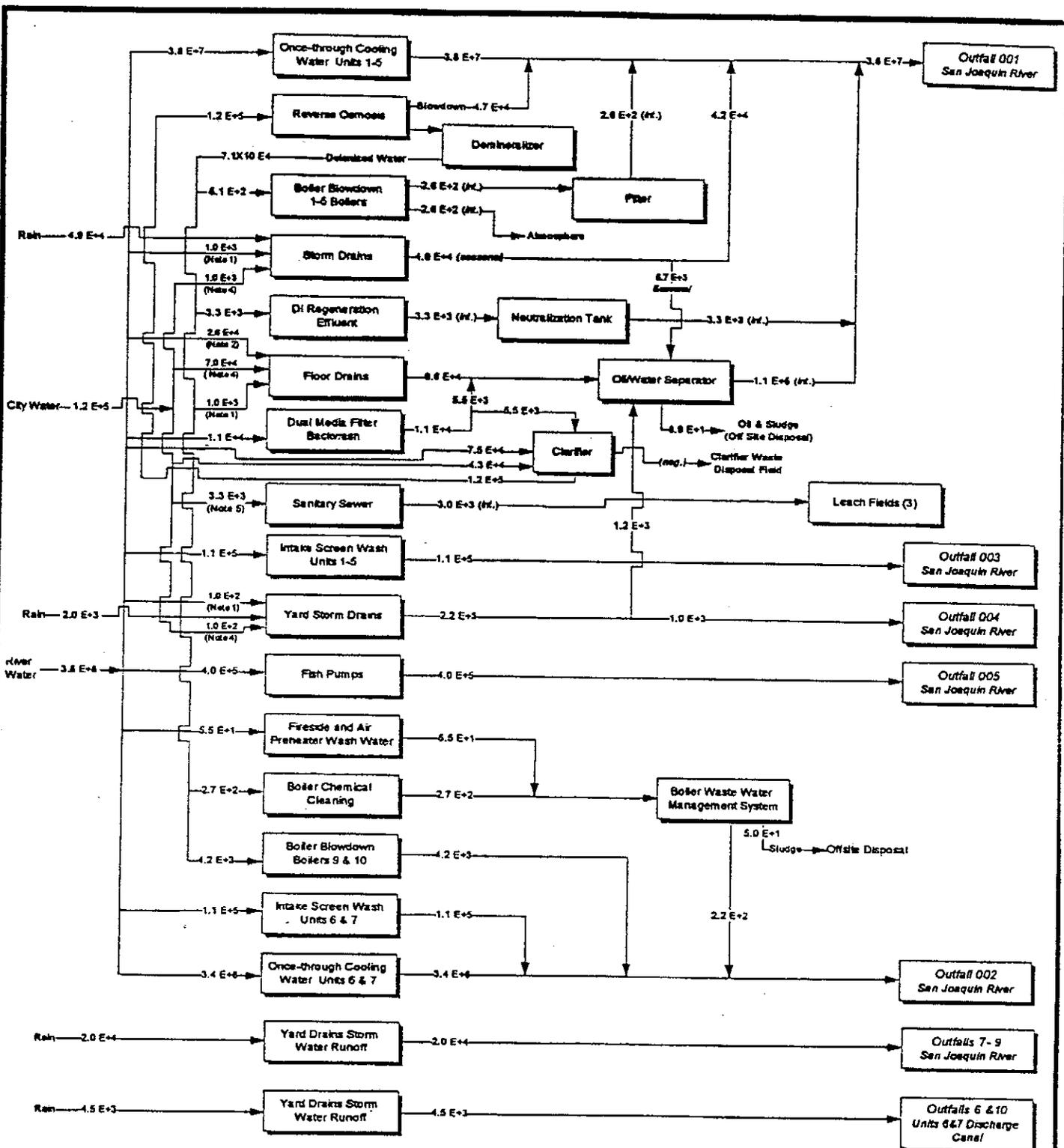
ADAPTED FROM: PG&E, 1994a.

PACIFIC GAS AND ELECTRIC COMPANY
CONTRA COSTA POWER PLANT

FUNCTIONAL AREAS

CDM
environmental engineers, scientists,
planners, & management consultants

Figure 3-3



All flows are in gallons per day
 (int.) = Internal flow
 (neg.) = Negligible flow

Contra Costa Power Plant Water Flow Schematic

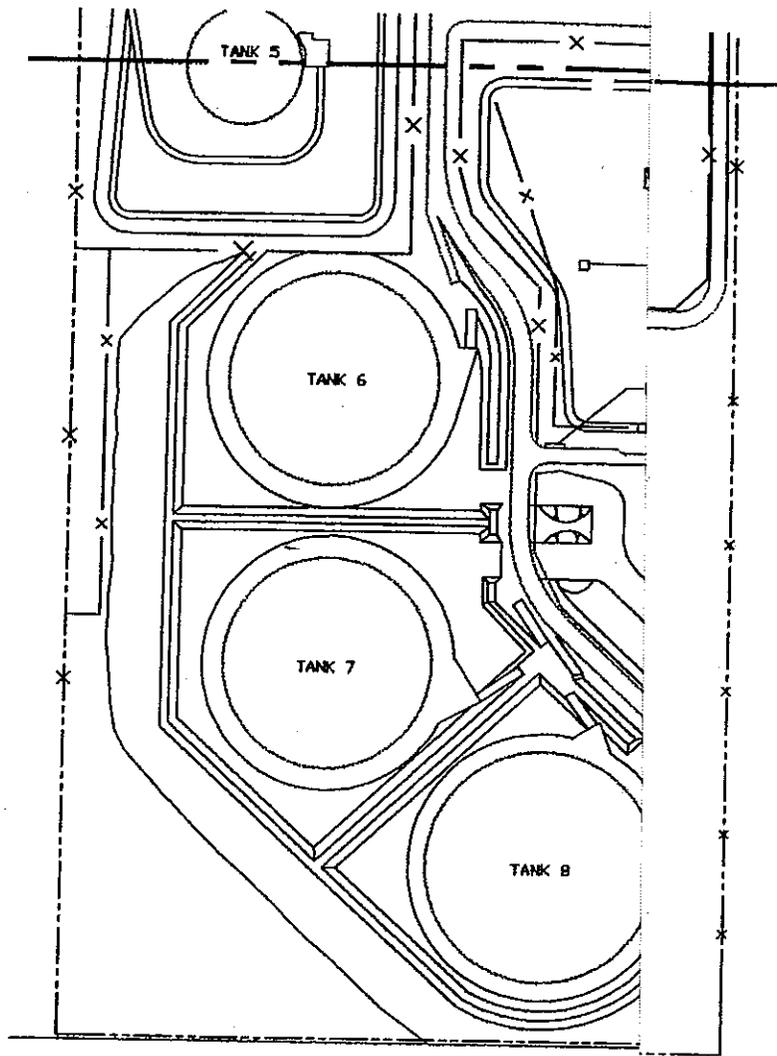
- Note 1: (River Water) Parking lot washdown, fish study runoff, dewatering tunnels, fire system leaks and testing, tunnel leaks, and safety equipment washdown.
- Note 2: (River Water) Deck Washdown.
- Note 3: (Deionized Water) CB Analyzer drains, process equipment leaks, sample purges.
- Note 4: (City Water) Safety showers, deck washdown, eyewashes, rinseate from safety equipment washdown.
- Note 5: (City Water) Rinseate from safety equipment and washing of laboratory glassware.

Source: RWQCB, 1995

PACIFIC GAS AND ELECTRIC COMPANY CONTRA COSTA POWER PLANT WATER FLOW SCHEMATIC

CDM
 environmental engineers, scientists,
 planners, & management consultants

Figure 3-4

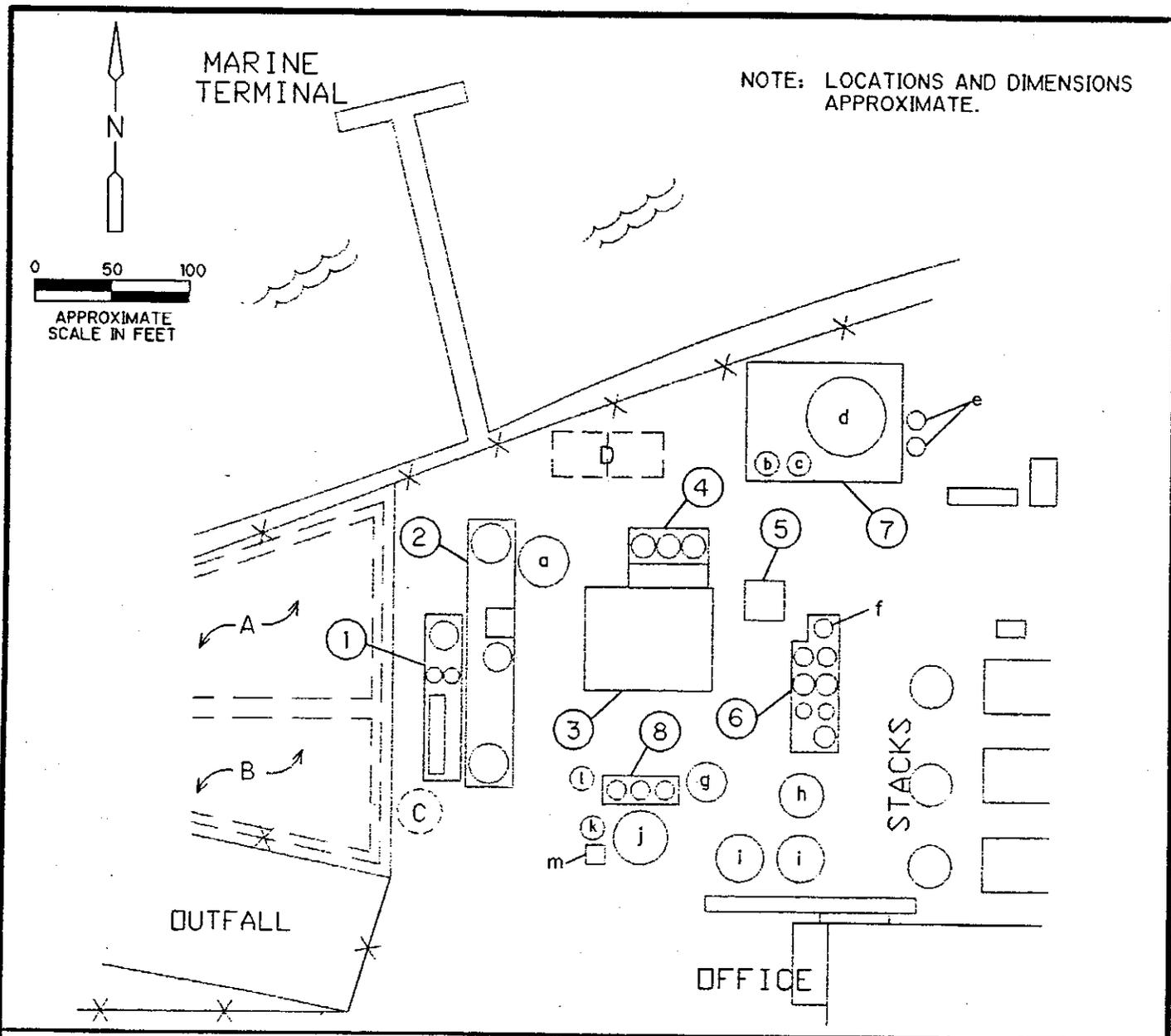


0 350
 APPROXIMATE SCALE IN FEET

LEGEND

-  BUILDING FOOTPRINT
-  PROPERTY LINE
-  FENCE LINE
-  RAILROAD TRACK
-  EMERGENCY RESPONSE EQUIPMENT LOCATION
- A.G. ABOVE GROUND
-  GROUNDWATER MONITORING WELL APPROXIMATE LOCATION
-  OIL CIRCUIT BREAKER
-  TRANSFORMER

ADAPTED FROM: PG&E, 1994a

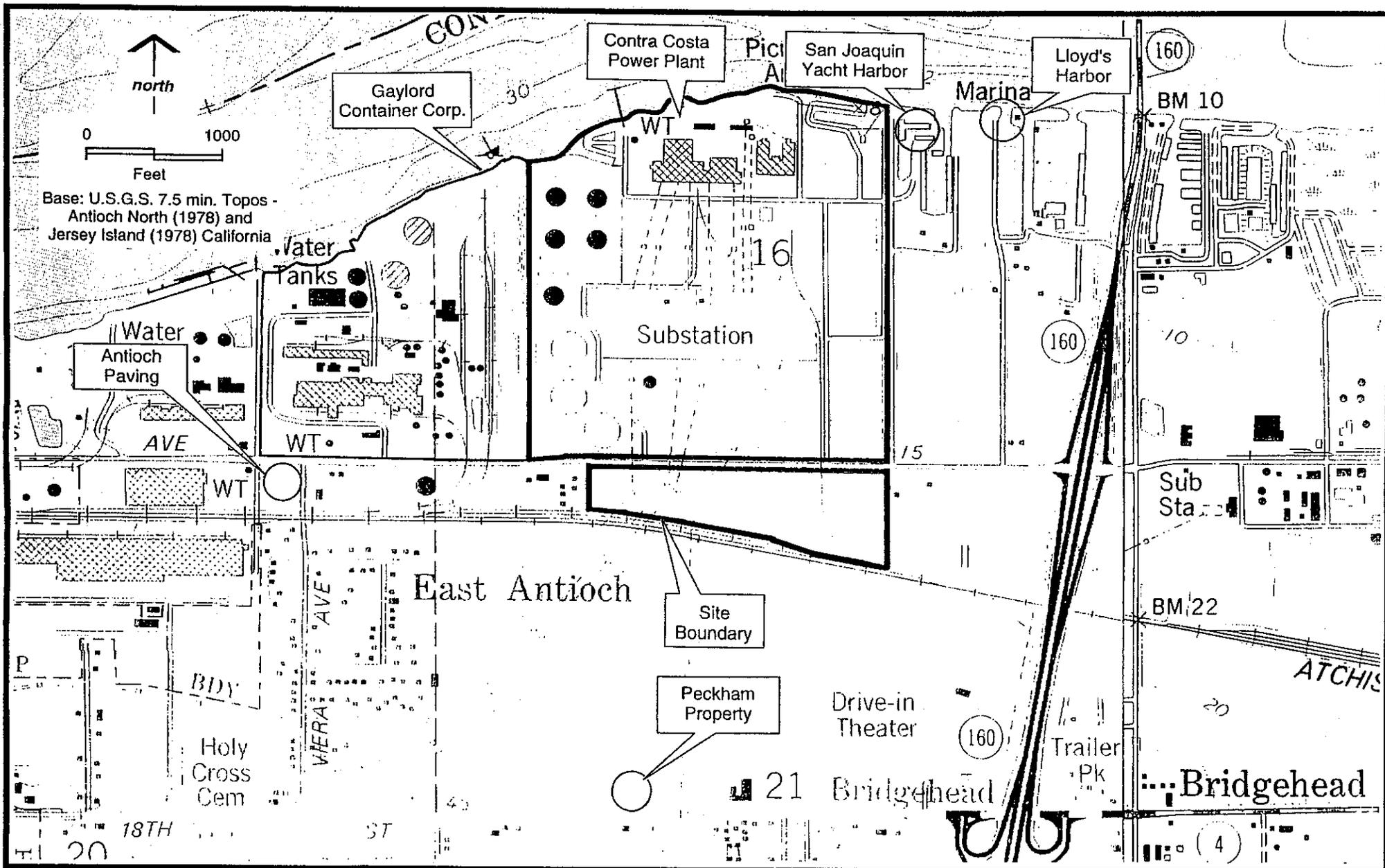


- | | |
|--|---|
| <ul style="list-style-type: none"> 1. FORMER OIL/WATER SEPARATOR SYSTEM (NOT IN USE) 2. OIL/WATER SEPARATOR SYSTEM 3. REVERSE OSMOSIS BUILDING 4. OLD FLOW-THROUGH NEUTRALIZATION TANKS (NOT IN USE) 5. EMERGENCY ACID TRANSFER TANK AND VAULT (BELOW GROUND) 6. WATER DEMINERALIZATION SYSTEM 7. NEUTRALIZATION SYSTEM FOR DEMINERALIZER REGENERATION WASTES 8. DUAL MEDIA GRAVITY FILTERS A. DEMINERALIZER REGENERATION WASTE POND (REMOVED) B. OILY WATER TREATMENT SYSTEM POND (REMOVED) C. FORMER OIL/WATER SEPARATOR (REMOVED) D. CLARIFIER SLUDGE PONDS (REMOVED) | <ul style="list-style-type: none"> a. ELEVATED WATER STORAGE TANK b. SULFURIC ACID TANK c. SODIUM HYDROXIDE TANK d. NEUTRALIZATION TANK e. PORTABLE DEMINERALIZER TANKS f. SULFURIC ACID TANK g. RAW WATER CLARIFIER SLUDGE TANK h. BOILER WATER TRANSFER TANK i. DISTILLED WATER STORAGE TANKS j. CLARIFIER k. ULTRION TANK (COAGULANT) l. FILTERED WATER TANK m. BLEACH TANK |
|--|---|

ADAPTED FROM: PG&E, 1994a.

PACIFIC GAS AND ELECTRIC COMPANY
CONTRA COSTA POWER PLANT

OIL/WATER SEPARATOR AND
DEMINERALIZER SYSTEMS



PACIFIC GAS AND ELECTRIC COMPANY
 CONTRA COSTA POWER PLANT
SURROUNDING PROPERTIES

CDM

environmental engineers, scientists,
 planners, & management consultants

Figure 3-7

Switchyard

The Switchyard is located in the central portion of the Plant, south of the main buildings and north of the impounding basin. The approximate location of transformers and oil-filled circuit breakers (OCBs) are depicted on Figure 3-3 and Figure 3-5b.

Non-Operational Area

The Non-Operational Area is located in two areas at the Plant (see Figure 3-3): an area south of Wilbur Avenue and north of the railroad tracks; and an area in the northeast portion of the site. Site features within the Non-Operational Area are described as follows:

- *Vineyard* - The approximately 30-acre area at the south end of the Plant, between Wilbur Avenue and the Atchison Topeka and Santa Fe Railroad tracks, is leased for agriculture. The area is occupied by rows of vines and a small maintenance yard located in the southeast corner.
- *Elevated Parking Area* - Sand excavated during construction of the Plant is stored in a mound along the east side of the Plant. The top of this area is level and the pile is covered with asphalt pavement on the top and sides. The top of the pile is used for vehicle parking.
- *Employee Recreation Area* - The area surrounding the discharge channel in the northeast corner of the Plant is maintained as a recreational area. Recreational vehicle parking and picnic facilities are located in this area.

Power Generation and Operations Area

The Power Generation and Operations Area, the largest portion of the site, mainly consists of seven fossil fuel steam turbine electric generation units, ranging from 115 megawatts to 345 megawatts, with a total net production capability of 1,160 megawatts (see Figure 3-3). Ten boilers, each producing 500,000 pounds to 2,125,000 pounds of steam per hour, supply the turbines with steam. These boilers can be supplied by either natural gas or fuel oil. The respective boilers and locations for the generation units are summarized in Table 3-1, Power Generation Units. Boilers 1 through 8 each have a separate stack. Boilers 9 and 10 share a common stack.

Units	Rated Capacity (Megawatts)	Boilers	Building	Fuel Type
1-3	300	1-6	West	Natural Gas or No. 6 Fuel Oil
4-5	200	7-8	East	Natural Gas or No. 6 Fuel Oil
6-7	660	9-10	Units 6 and 7	Natural Gas or No. 6 Fuel Oil

Source: Mittelhauser, 1985

Units 1, 2, and 3 are not currently in use. Unit 4 is used as a synchronous condenser to help regulate voltage on the power transmission system, and Unit 5 is idle. Units 6 and 7 are used to generate electricity.

The following buildings, structures and areas are located within the Power Generation and Operations Area (see Figures 3-5a, 3-5b, and 3-6).

- *West Building* - This building houses the Plant offices, turbines for Units 1, 2, and 3, shops, and control rooms for Units 1, 2, and 3 (see Figure 3-5a).
- *East Building* - This building houses the turbines for Units 4 and 5 (see Figure 3-5a).
- *Units 6 & 7* - The units are located in a separate structure east of Units 4 and 5 (see Figure 3-5a).
- *Units 1-5 Intake Structure* - The cooling water intake structure for Units 1 through 5 is in the San Joaquin River, approximately 250 feet from the shoreline (see Figure 3-5a).
- *Units 6 and 7 Intake Structure* - The cooling water intake structure for Units 6 and 7 is on the bank of the San Joaquin River (see Figure 3-5a).
- *Units 1-5 Discharge Channel* - This discharge point located at the west side of the site includes once-through cooling water from Units 1 through 5, seasonal storm drainage, and other low-volume wastes from the reverse osmosis system, the oil/water separator system, the demineralizer system, and boiler condensate referred to as "boiler blowdown" (see Figure 3-4a) (RWQCB, 1995).
- *Units 6 & 7 Discharge Channel* - This discharge point located at the northeast side of the site includes once-through cooling water from Units 6 and 7, plus intake screen wash, wash water from cleaning operations, and boiler blowdown (see Figure 3-5a) (RWQCB, 1995).
- *Transformers* - A row of transformers is located outside the south side of the west and east buildings (see Figure 3-5a). Individual transformers are located at the northwest corner of the West Building and north of Units 6 and 7.
- *Mobile Gas Turbine Pad* - Directly south of the transformer banks located on the south side of the west building is a concrete pad for a mobile gas turbine generation unit (see Figure 3-5a). The mobile gas turbine was not on site during CDM's site walkthrough, but reportedly is expected to be returned to the site.
- *Boiler Wastewater Management System* - A bermed area containing a filter press and other equipment used for treating boiler cleaning wastewater is located on the flat, paved area north of Units 4 and 5 (see Figure 3-5a).
- *Water Demineralization System* - The water demineralization system, an anion/cation treatment process, is located on the flat, paved area in the northwest corner of the Plant (see Figure 3-6).

- *Neutralization System* - A large neutralization tank in a concrete containment area is located near the San Joaquin River shoreline, northwest of the boilers for Units 1 through 3 (see Figure 3-6). Sulfuric acid and sodium hydroxide tanks are also located within the same containment area as the neutralization tank.
- *Oil/Water Separator System* - The oil/water separator system is located on the flat, paved area in the northwest corner of the Plant (see Figure 3-6).
- *Former Oil/Water Separator System* - A former oil/water separator system which is no longer in use is located west of the current oil/water separator system (see Figure 3-6).
- *Reverse Osmosis Building* - A building housing reverse osmosis water treatment equipment is located on the flat, paved area in the northwest corner of the Plant (see Figure 3-6).
- *Oily Water Sump* - A sump for collecting oily water from sumps in the Fuel Tank Farm area and drainage trenches in the Switchyard is located outside the southwest corner of the Switchyard, east of Tank 6 (see Figure 3-5b).
- *Circulating Water Sodium Hypochlorite House* - A building that houses equipment for chlorinating cooling water is located north of Units 1, 2, and 3 (see Figure 3-5a).
- *Insulation & Coatings (I&C) Department Office and Construction Yard* - Several small buildings and storage trailers located east of Tanks 2 and 4 comprise the I&C Department Office and Construction Yard. These buildings and trailers serve as offices for Plant staff and provide storage for documentation, painting equipment, and asbestos removal equipment (see Figure 3-5a).
- *Paint Storage Area* - Storage containers near the I&C Department offices contain paints and painting supplies (see Figure 3-5a).
- *Asbestos Accumulation Bin* - A hazardous waste accumulation bin for asbestos is located in the yard near the I&C Department offices (see Figure 3-5a).
- *Hazardous Waste Accumulation Area* - The main hazardous waste accumulation area at the Plant is located adjacent to the north side of the warehouse building located north of Units 4 and 5 (see Figure 3-5a).
- *Satellite Hazardous Waste Accumulation Areas* - Several satellite hazardous waste accumulation areas are located around the Plant as follows (see Figure 3-5a):
 - in the building for Unit 3
 - in the vicinity of the machine shop (also known as the mechanical equipment bay)
 - at the chemical laboratory in the building for Units 4 and 5
 - at the chemical laboratory in the building for Units 6 and 7
 - in the reverse osmosis building
 - outside the sandblast building
 - in the I&C Department Construction Yard.

- **Chemical Storage Areas** - Chemical storage areas are identified in the Plant hazardous materials inventory (see Appendix D, Hazardous Substance Inventory). These areas include several cabinets and platforms around the Plant that are used for storing laboratory chemicals, paints, non-chlorinated solvents, and cleaners. Major chemical storage areas are located around the Plant as follows (see Figure 3-5a):
 - hazardous materials storage container north of the warehouse
 - circulating water sodium hypochlorite house, north of Boilers 1 through 6
 - battery rooms in the buildings for Units 1 through 7
 - compressed gas storage in the warehouse
 - two hazardous materials storage areas at Units 4 and 5
 - hazardous materials storage area at Units 6 and 7
 - lube oil storage shed near diesel ASTs south of Units 1 through 3
 - storage containers in the I&C Department Construction Yard.
- **Warehouses and Quonset Hut** - The warehouse and quonset hut located north of Units 4 and 5 are used to store supplies (see Figure 3-5a).
- **Sandblast Building** - The sandblast building is located in the northeast portion of the Plant, near the discharge channel for Units 6 and 7 (see Figure 3-5a).
- **Construction Yard** - The construction yard is located directly east of Units 6 and 7 (see Figure 3-5a). Various buildings in the construction yard are used for equipment storage and offices.
- **Leachfields** - Three separate leachfields, one north of the warehouse, one at the northwest corner of the west building, and one south of the east building, are located at the Plant.
- **Former Air Preheater/Fireside Wash Pond** - A portion of the former concrete-lined air preheater/fireside wash pond remains in the area south of Units 6 and 7 (see Figure 3-5a). This pond formerly served as a settling unit for air preheater and boiler fireside wash water.
- **Former Boiler Chemical Cleaning Wash Pond** - The former boiler chemical cleaning wash pond was located south of Units 6 and 7 (see Figure 3-5a). This pond served as a discharge point for boiler wash water storage and evaporation.
- **Groundwater Monitoring Wells** - Seven groundwater monitoring wells (wells 1, 2, 3, 4, 5, 6a and 7a) are located south of Units 6 and 7. An eighth well, well 5a, is located in the northeast corner of the employee recreation area (see Figure 3-5a and Photographs 2 and 3).
- **Gas Regulator Station** - The gas regulator station for the natural gas supply pipeline is located east of the elevated parking area along the eastern edge of the Plant (see Figure 3-5a).
- **Raw Water Clarifier Sludge Storage Area** - Periodically, raw water clarifier sludge is removed from the clarifier sludge tank located west of Units 1, 2 and 3 and placed in an open field in the southeast corner of the Plant (see Figure 3-5b).

Surrounding Properties

Properties in the immediate vicinity of the Plant are shown on Figure 3-7. Areas within the ASTM search radii for regulatory databases, which are up to one mile from the Plant, are shown in the figure contained in the VISTA Solutions, Inc. report contained in Appendix C. Surrounding properties are further described below in Section 3.3, Vicinity Characteristics.

3.3 Vicinity Characteristics

The Plant is located in a generally industrial area (see Figures 3-1 and 3-7). The San Joaquin River borders the Plant to the north. A yacht harbor borders the Plant to the east. A paperboard manufacturing facility is located west of the Plant. The Atchison, Topeka and Santa Fe Railroad tracks and right-of-way border the Plant to the south as they pass through agricultural land.

3.4 Environmental Setting

Based on CDM's review of published literature and site investigation reports, the subsections which follow describe the environmental setting of the site with respect to regional and site-specific geology, groundwater, surface water, and climatology.

3.4.1 Geology

The Plant is underlain by three different types of material described below (Mittelhauser, 1987). The uppermost material is an approximately six-foot thick artificial fill comprised of silty sand derived from sources on or near the Plant. The second layer consists of an approximately 125- to 140-foot thick aquifer comprised of fine to coarse-grained sand (Delphi sands) interfingering with lenses of clay, silt, and peat which are from one to fifteen feet in thickness. The third layer beneath the Plant consists of an approximately 1,200-foot thick clay, sand, and gravel mixture named the Montezuma Formation.

There is no evidence of seismic activity within 3,000 feet of the Plant (PG&E, 1986a). However, two local faults, the Vaca and the Antioch, are located between one and twenty-five miles from the Plant which have recorded Holocene displacement.

3.4.2 Groundwater

Regionally, the site is located in the Pittsburg Plain, a groundwater basin 20 to 30 square miles in area. The basin is comprised of Pleistocene and Holocene alluvium deposited by the San Joaquin and Sacramento Rivers and minor streams draining the Los Medanos Hills to the south (WCC, 1993).

The aquifer, which is composed of fine- to coarse-grained sands with minor interfingering layers of fine-grained and organic deposits, is approximately 125 to 140 feet thick beneath the site. Silt, clay and peat layers are interbedded with the aquifer sands resulting in significant lateral changes in lithology across the site. These fine-grained sediments become more prevalent along the San Joaquin River and the northeastern portion of the site. These less permeable layers can produce

localized perched water zones which may not be in direct hydraulic communication with the main aquifer. The aquifer rests conformably upon the Montezuma Formation below.

Eight groundwater monitoring wells exist at the site. These are identified as Wells 1, 2, 3, 4, 5, 5a, 6a, and 7a (see Figure 3-5a). Water level data from 1987 indicate that the shallow groundwater is tidally influenced. Depths to groundwater varied from 5.4 feet to 7.0 feet below ground surface (bgs) during the tidal study. Results from monitoring of Wells 1, 2, 3, 4, 5a, 6a, and 7a performed in 1990 showed water table elevations ranging from 2.11 feet to 2.51 feet above mean sea level (msl) during low tide and ranging from 2.27 feet to 2.61 feet above msl during high tide (PG&E, 1991a). PG&E is no longer required to monitor these wells under regulatory agency oversight.

The water table beneath the former surface impoundments at the Plant varies from 6 feet to 10 feet bgs, depending on tidal and seasonal influences. Measurements indicate that the groundwater flow direction is north-northwest. The regional groundwater flow direction is assumed to be northward with discharge to the San Joaquin River.

3.4.3 Surface Water

The San Joaquin River is the main body of surface water and the only natural perennial surface water within one mile of the Plant. The river is tidally influenced in the vicinity of the Plant; salt water intrusion is evident up to the Plant. The San Joaquin River is used for industrial, commercial and domestic purposes, as well as for irrigation and recreational purposes. The Flood Hazard Boundary Map for the area shows a small portion of the Plant, north and east of Units 6 and 7, as subject to potential flooding (HUD, 1977).

3.4.4 Climatology

Climatology data are available for the cities of Antioch, at an elevation of 60 feet above msl, and Martinez, 40 feet above msl, the nearest stations to the Plant. In 1995, Martinez had an average annual temperature of 61.4 degrees Fahrenheit (°F). The average monthly minimum and maximum temperatures ranged from 51.4 °F in January to 72.4 °F in August, with extremes of 32 °F in February to 106 °F in July. Based on the records from 1954 to 1995, the average annual precipitation in Antioch is 12.8 inches, with an average minimum monthly precipitation of 0.04 inches in July and an average maximum monthly precipitation of 2.56 inches in January (U.S. Department of Commerce, 1995).

Section 4.0 Records Review

CDM conducted a review of historical records for the Plant and the surrounding properties. The primary sources of the records reviewed include PG&E files, regulatory agency databases and files, aerial photographs, and topographic maps. The following section summarizes the findings from record review activities. A list of records and documents used by CDM for preparation of this section is presented in Appendix B, List of Information Reviewed. A detailed discussion of the findings from the record review activities is presented in Section 5.0, Results of Site Reconnaissance, Records Review, and Interviews.

4.1 Site History

The Collinsville USGS topographic map from 1918 shows the site as undeveloped, except for the place name "Marsh Landing." Historical information about the site prior to 1950 is not readily available.

Units 1, 2, and 3 were constructed in 1950 to 1951 and brought online in August 1951. Tanks 1 through 5 were constructed between 1951 and 1953. A 1961 oblique aerial photograph shows the Plant as it appeared prior to the construction of Units 6 and 7 (see Appendix A2, Aerial Photographs). Oblique aerial photographs from 1963 show Units 6 and 7 under construction (see Appendix A2). Units 6 and 7 were brought online in 1964. Based on available aerial photographs, the marine terminal loading dock was added between 1961 and 1966. Tanks 6, 7, and 8 were constructed in 1973. Based on aerial photographs, the displacement oil tank was constructed between 1974 and 1976. Minor changes to the Plant since 1973 include the addition or removal of various ancillary facilities, such as water treatment equipment, storage buildings and offices.

Since the mid-1970s, natural gas has been used as the primary fuel for the Plant.

In 1963, PG&E constructed the boiler chemical cleaning wash pond surface impoundment located south of Units 6 and 7. In 1976, the air preheater/fireside wash water pond was constructed west of the elevated parking area. In 1988, PG&E submitted a closure report to the regulatory agencies for these surface impoundments (Mittelhauser, 1988). Later that same year, clean closure was granted for both surface impoundments, but PG&E was required to monitor the groundwater in the vicinity of the impoundments for one year after closure (RWQCB, 1988).

In 1994, PG&E submitted a closure report for the oil/water separator which was replaced by a newer system (TEE, 1994). In April 1996, the RWQCB stated that no further action was required at the oily water separator site (RWQCB, 1996).

The Plant is currently managed jointly with PG&E's Pittsburg Power Plant as one of PG&E's Delta Power Plants. Additional historical information about the site is provided in Section 4.4, Aerial Photographs and Topographic Maps.

4.2 Standard Environmental Record Sources

A search of environmental regulatory databases was conducted for the site and surrounding properties. The database search was conducted by VISTA Information Solutions, Inc. (VISTA) to determine whether documentation exists related to environmental incidents at the site or surrounding properties. The databases searched and respective search distances from the site as specified by ASTM guidelines are as follows:

- Federal Databases
 - National Priorities List (NPL) — 1 mile;
 - Resource Conservation and Recovery Act (RCRA) Corrective Actions (CORRACTS) and treatment, storage and disposal (TSD) facilities — 1 mile;
 - Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) — ½ mile;
 - RCRA Violations/Enforcements (RCRA Viol)— ¼ mile;
 - Toxic Release Inventory database (TRIS)— ¼ mile;
 - Emergency Response Notification System (ERNS) — ⅙ mile; and
 - RCRA Register small or large generators of hazardous waste (GNRTR)— ⅙ mile.
- State of California, Regional and County Databases
 - State Superfund (SPL) Calsites Database: Annual Workplan Sites — 1 mile;
 - State equivalent CERCLIS list (SCL)— 1 mile;
 - Landfills (SWLF) Solid Waste Information System (SWIS) and Solid Waste Assessment Test (SWAT) — ½ mile;
 - Leaking underground storage tanks (LUST) — ½ mile;
 - Sites with deed restrictions (DEED RSTR)— ½ mile;
 - State index of properties with hazardous waste (CORTESE)— ½ mile;
 - Toxic Pits cleanup facilities (TOXIC PITS) — ½ mile; and
 - Underground and aboveground storage tanks (UST/AST) — ⅙ mile;
 - North Bay Toxics List (North Bay) — ½ mile.

The results of the database search and descriptions of the environmental databases are provided in Appendix C. The environmental listings identified in the database search were evaluated with respect to their potential to adversely impact the Plant. Those listings which were believed to have potential to adversely impact the site are presented in Table 4-1, Key Environmental Database Records. The three main criteria used to determine which listings were presented in Table 4-1 were: (1) proximity to the site (less than one half mile); (2) hydraulically upgradient of the site with respect to groundwater flow; and (3) hydraulically upgradient with respect to surface water flow/stormwater runoff. Interviews with regulatory agency personnel indicate that there are no regional groundwater contamination plumes which could adversely impact the site.

Databases searched in which no facilities were identified, or those facilities that are not likely to have an adverse impact at the Plant, are not presented in Table 4-1 and are not discussed further in this report. Each of the sites in Table 4-1 is discussed in detail in Section 5.0, Results of Site Reconnaissance, Records Review, and Interviews.

Table 4-1 Key Environmental Database Records				
Database (Search Radius, miles)	Sources of Potential Onsite Impact			
	Site Name	Site Address	Distance from Site (mile)	Comments
LUST (1/2)	Antioch Paving Company	2540 Wilbur Avenue Antioch, CA 94509	0.04	Soil impact from four gasoline and diesel underground storage tanks (USTs); no groundwater data
LUST (1/2), CORTESE (1/2)	Peckham Property	3215 18th Street Antioch, CA 94509	0.38	Soil impact from four gasoline underground storage tanks (USTs); no groundwater data
CERCLIS (1/2), GNRTR (1/8)	Gaylord Container Corp. East Plant / Louisiana Pacific Corp.	Wilbur Avenue at Vera Avenue Antioch, CA 94509	0.01	Minor soil impact from USTs
UST (1/8)	San Joaquin Yacht Harbor	Route 1, Box 566 Antioch, CA 94509	0.01	No record of leakage or spills from an UST
LUST (1/2), CORTESE (1/2)	Lloyd's Holiday Harbor	Route 1 (Box 553) Antioch, CA 94509	0.17	Soil impact from two USTs
ERNS (3/8)	PGE, Contra Costa Plant	3201 Wilbur Avenue Antioch, CA 94509	0.00	5 gallons of light oil spilled which affected the San Joaquin River

Source: VISTA; see Appendix C, VISTA Database Report

4.3 Additional Record Sources

For this Phase I ESA, CDM reviewed files at the U.S. Environmental Protection Agency, California Department of Toxic Substances Control (DTSC), Bay Area Air Quality Management District, Regional Water Quality Control Board, Central Valley Region (RWQCB), and the Contra Costa County Health Services Department (CCCHSD). Relevant information acquired from these agencies is referenced in the appropriate sections of this report.

4.4 Aerial Photographs and Topographic Maps

Numerous aerial photographs and topographic maps pertinent to the site were reviewed to assess historic conditions of the site. A search for Sanborn maps of the site was conducted as part of the VISTA database search. According to VISTA, no Sanborn maps are available for the site. The aerial photographs were secured from Pacific Aerial Surveys in Oakland, California and PG&E's photo archives. Table 4-2, Aerial Photographs and Topographic Maps Reviewed, summarizes the dates of the aerial photographs and maps reviewed. Selected aerial photographs are presented in Appendix A2.

Table 4-2 Aerial Photographs and Topographic Maps Reviewed	
Source	Year
Commercial Aerial Photographs	1953, 1957, 1959, 1966, 1969, 1971, 1974, 1976, 1978, 1980, 1984, 1986, 1988, 1990, 1992
PG&E Aerial Photographs	June 1961, June 1963 (four), March 1988 (two)
United States Geological Survey Topographic Maps	1918, 1947 (Collinsville), 1953, 1968, 1978 (Antioch North), 1978 (Jersey Island)

Source: Pacific Aerial Surveys and PG&E Archives (see Appendix B).

The results of CDM's review of the aerial photographs and topographic maps are discussed by functional plant areas below.

Fuel Tank Farm

The earliest aerial photographs and topographic maps depicting the Plant are from 1953 and show only five ASTs (Tanks 1 through 5) in the Fuel Tank Farm area. The 1968 photorevised topographic map and aerial photographs through 1971 continue to show only five ASTs.

The 1959 aerial photograph indicates that no development has occurred in the southern portion of the Fuel Tank Farm area.

In the 1966 aerial photograph, a road loop is visible around the area now used as an impounding basin. Material that may be debris is visible inside the loop. The material is still visible in an aerial photograph dated May 20, 1969.

Three additional ASTs (Tanks 6, 7, and 8) are visible in an aerial photograph dated March 4, 1974. An additional AST that is now referred to as the displacement oil tank is first visible in the 1976 aerial photograph.

Aerial photographs from 1953 through 1963 do not show the marine terminal. The marine terminal is first visible in the 1966 aerial photograph.

Switchyard

The Switchyard is present in the 1953 aerial photograph and appears largely unchanged through the series of aerial photographs from 1953 to 1992, except that additional switchgear appears to be under construction in the eastern portion of the Switchyard in oblique aerial photographs taken in 1963.

Non-Operational Area

Symbols that appear to depict crop land in the portion of the site south of Wilbur Avenue are shown on topographic maps as early as 1953. Aerial photographs at least as early as 1959 also show a regular grid pattern of trees or vines in this area. The crop land continues to be visible in a 1992 aerial photograph; a small maintenance yard is first evident in the southeast corner of this area. Plant personnel report that the land is leased for agricultural use.

The area east of Units 4 and 5 appears to be completely undeveloped in the 1959 aerial photograph.

The elevated parking area along the east side of the property is first visible in the 1966 aerial photograph.

Power Generation and Operations Area

The entrance road in the eastern portion of the site is not visible in the 1953 topographic map, but appears in the 1959 aerial photograph and is shown in the 1968 photorevised topographic map. The 1978 topographic map shows the roads as they appear today.

Aerial photographs as early as 1959 show the oil/water separator tank that was removed in 1994.

Several oblique aerial photographs taken in June 1963 show Units 6 and 7 under construction.

A feature that appears to be the boiler chemical cleaning wash pond is first visible in the 1966 aerial photograph. The air preheater/fireside wash ponds may also be visible in this aerial photograph, but are clearly visible in the 1978 aerial photograph. The 1980 aerial photograph clearly shows both ponds.

The 1980 aerial photograph also shows new facilities in the northwest corner of the Plant, west of Units 1, 2, and 3. The reverse osmosis building is visible, as is the raw water clarifier sludge tank.

The 1988 aerial photograph continues to show evidence of the boiler chemical cleaning wash pond and air preheater/fireside wash pond. The 1990 aerial photograph shows the location of the boiler chemical cleaning wash pond as filled in, although the outline is still partially visible.

The 1992 aerial photograph shows the Plant much as it is today, except for closure of some ponds and addition of a neutralization system for demineralization regeneration wastes in the northwest portion of the Plant.

Section 5.0

Results of Site Reconnaissance, Records Review, and Interviews

On September 26 and 27, 1996, CDM representatives met with Messrs. C. David Zeiger and Bryan Nicholson of PG&E to conduct a walkthrough of the Plant and interview Plant staff. Mr. Zeiger is the Senior Environmental Coordinator for PG&E's Delta Power Plants and has been at the Plant since April 1996 and with the company since 1990. Mr. Nicholson works for PG&E's Technical and Ecological Services Department and has been with the company for the past seven years. Mr. Steven A. Gallo, Environmental Coordinator for the Delta Power Plants, also assisted with the walkthrough, and has been at the Plant for two and one-half years and with PG&E for 16 years. A follow-up interview was conducted on October 3, 1996, with PG&E representative Mr. Richard White, Maintenance Supervisor, who is responsible for the Switchyard at the Plant and has been at the Plant since 1993. Also interviewed at the Plant were PG&E employees Messrs. Lanny Bright, Gary Prowse, Dan James, Dennis Brockman, and Mark Smith. Messrs. Bright and Prowse are Operating Foremen and have been at the Plant since 1970 and 1971, respectively. Mr. James is a Fire/Safety Supervisor who has been with PG&E since 1978, and has been at the Plant since October 1992. Mr. Brockman is a Working Foreman in the Insulation and Coatings Section and has been at the Plant since 1991 and with the company since 1970. Mr. Smith works in the California Gas Transmission Department and has been with PG&E for 33 years. Subsequent to the initial site walkthroughs, CDM conducted two additional follow-up site walkthroughs on June 25 and August 12, 1997, to walk and observe additional items not previously visited. During these follow-up visits, CDM was accompanied by Mr. Steve Bauman, a PG&E consultant who worked with the Power Generation Department for 6 years and had 11 years of service with the company; and by Messrs. Gallo, Nicholson, and Craig Fletcher, Environmental Engineer for PG&E. Mr. Fletcher worked at the Plant from 1992 through 1995 and has been with PG&E for 5 years. Mr. Ron Kino provided follow-up information in telephone interviews. Mr. Kino, currently the Director of Environmental Services for Power Generation Services, worked at the Plant for 12 years and has been with PG&E for 17 years.

During the walkthrough, PG&E personnel were asked for information about the Plant's history and existing conditions at the Plant. Messrs. Zeiger and Gallo were also interviewed about their site-specific knowledge of the Plant buildings and operations. The walkthrough was followed by visual observations of the vicinity in which the Plant is located. The following subsections discuss site assessment findings with respect to hazardous substances, non-hazardous substances, polychlorinated biphenyls, asbestos-containing material, storage tanks, herbicides and pesticides, water, wastewater, and stormwater, and lead-based paint.

The findings in Section 5.0 are presented for the four different functional areas identified within the Plant and offsite properties surrounding the Plant as discussed in Section 3.2, Description of Operations. These areas include the Fuel Tank Farm, the Switchyard, the Non-Operational Area, the Power Generation and Operations Area, and Surrounding Properties. In cases where CDM did not identify environmental issues or operational conditions of concern within a particular functional area, no specific discussion of that functional area is presented in this section. The boundaries of the functional areas are described in Section 3.2 and shown on Figure 3-2.

5.1 Hazardous Substances

This section discusses hazardous materials used and hazardous waste generated at the Plant.

5.1.1 Hazardous Materials

A partial inventory of hazardous materials found at the Plant is presented in the Plant's AB2185/Title III Business Plan (PG&E, 1996a) (see Appendix D). These materials are mainly used in daily operations involving equipment such as boilers, transformers, circuit breakers, storage batteries, turbine bearings, hydraulic pumps, actuators and hydraulic reservoirs. The inventory appeared to be accurate based upon the site walkthrough. Currently, hazardous materials are used in the Fuel Tank Farm, Switchyard, Non-Operational Area, and the Power Generation and Operations Area. To minimize the potential for spills of hazardous materials and to provide guidance for emergency response to spills, the Plant has developed a Spill Prevention Control and Countermeasures Plan (PG&E, 1994a) and an Emergency Oil Spill Response Plan (E&E, 1996).

Fuel Tank Farm

The Fuel Tank Farm consists of a marine terminal fuel oil unloading dock and pipeline to the Plant, five 120,000-barrel ASTs (Tanks 1 through 5), three 500,000-barrel ASTs (Tanks 6, 7, and 8), and one 53,000-barrel aboveground displacement oil tank. The tanks are constructed of steel and have individual secondary containment as presented in Table 5-1, Fuel Tank Specifications.

Tank	Material Stored	Approx. Year Built	Tank Volume (Gallons x 10⁶)	Vol. of Secondary Containment (Gallons x 10⁶)
1	No. 6 Fuel Oil	1951	5.04	5.4
2	No. 6 Fuel Oil	1952	5.04	5.9
3	No. 6 Fuel Oil	1953	5.04	6.3
4	No. 6 Fuel Oil	1951	5.04	6.7
5	No. 6 Fuel Oil	1953	5.04	5.5
6	No. 6 Fuel Oil	1973	21.0	23
7	No. 6 Fuel Oil	1973	21.0	23
8	No. 6 Fuel Oil	1973	21.0	23

Source: PG&E, 1994a and WCC, 1993

Currently, only Tanks 2 and 6 are reported to contain substantial amounts of No. 6 fuel oil. The January 1996 inventories for Tanks 2 and 6 were approximately 26,000 barrels and 464,000 barrels, respectively. Tanks 1, 3, 4, 5, 7, and 8 are empty, except for less than a foot and a half of No. 6 fuel oil. During the course of the walkthrough, no obvious signs of spills or leaks of No. 6 fuel oil or displacement oil were observed.

According to a report on file at the Plant, Tank 7 was previously used to store "black liquor" for the paperboard manufacturing facility located directly west of the Plant. The report states that the tank

has been emptied and cleaned, except for an oily coating on the bottom. Black liquor, a by-product of pulp production, is a mixture of wood material in a sodium sulfide and hydroxide solution. An aboveground pipeline connected to the Plant pipelines passes through the fence between the Plant and the adjacent paperboard facility (see Photograph 4). This pipeline terminates in a small shed within the paperboard manufacturing facility, just inside the fence. During the course of the walkthrough, no obvious signs of spills or leaks of black liquor were observed.

Fuel oil is delivered to the Plant via the Pittsburg-Antioch pipeline, which runs beneath the impounding basin in the Fuel Tank Farm area. Fuel is distributed to the storage tanks from a manifold located near the displacement oil tank. The fuel must be heated to flow properly through the pipes. Heated aboveground pipelines transfer fuel from the storage tanks to the power generation units. No records regarding hydrostatic testing of the Pittsburg-Antioch pipeline were available for review by CDM.

Based upon the available information and upon CDM's interviews and walkthrough of the Fuel Tank Farm, the current hazardous materials storage areas in the Fuel Tank Farm do not appear to have adversely impacted the Plant.

Switchyard

The Switchyard comprises numerous pieces of electrical equipment (OCBs and transformers) containing dielectric fluid. Large pieces of equipment have been tested for polychlorinated biphenyls (PCBs) and none contain PCB concentrations over 50 parts per million (ppm) (see Section 5.3, Polychlorinated Biphenyls). During the walkthrough of the Switchyard, no electrical equipment leaks were observed. The site appeared to be well maintained. Oil-filled electrical equipment in the Switchyard is surrounded by rock-filled concrete basins which provide secondary containment. The concrete basins drain by pipeline to the oily water collection sump. In addition, the Switchyard is graded so that runoff drains toward asphalt-lined drainage ditches which direct runoff toward an oily water collection sump in the southwestern corner of the Switchyard (PG&E, 1994a). Liquids from this sump are pumped to the oily water separator system located in the northwest corner of the site. Small quantities of non-chlorinated solvents, paints, cleaners, and lubricants are stored and used in the electrical warehouse building. Chemical storage cabinets are found inside the building. Outside the building, a concrete-bermed area is used for storing chemical containers and wastes.

Based upon the available information and upon CDM's interviews and walkthrough of the Switchyard, the current hazardous materials storage areas in the Switchyard do not appear to have adversely impacted the Plant.

Non-Operational Area

Hazardous materials used within the Non-Operational Area are limited to the southeast corner of the Plant where PG&E leases a small parcel of property. The lessee of this property uses and/or maintains hazardous materials which primarily consist of hydraulic oil, motor oil, diesel fuel, and herbicides. The primary locations where hazardous materials are stored and used are as follows:

- *Diesel Fuel Tanks* - One 300-gallon and one 250-gallon steel, single wall diesel fuel tanks are mounted on a flat bed trailer in the northwest portion of the maintenance yard. The tanks appear to be used for vehicle fueling. Fuel is dispensed on the east side of the trailer over bare, sandy soil where fuel staining was observed. Neither tank is equipped with secondary containment.
- *Waste Accumulation Area* - A dirty oil accumulation area was observed west of the diesel fuel tanks. Nine 55-gallon drums and two five-gallon buckets of dirty oil were located in this area. Two of the drums had open bungs, one drum was without a cover. The drums were located on bare sandy soil; the buckets were located on a wooden pallet. Stained soil was observed around the drums and oil staining was evident on the wooden pallet. Secondary containment was not provided for any of these containers.
- *Repair Shop* - Several five-gallon buckets of hydraulic oil, empty gasoline cans, and an empty 55-gallon drum of glycol ether pm acetate were stored on plywood over bare soil within the repair shop. The plywood and work surfaces within the repair shop were stained with oil. Several empty gasoline cans, sprayers, and hydraulic oil buckets were observed around the exterior of the repair shed.
- *Herbicide Tank* - A portable 150-gallon tank for the herbicide "Round-Up" was observed in the northwest corner of the maintenance yard.
- *Laydown Area* - Five vehicle batteries were located on a pallet and one battery was observed to be overturned on the ground on the east side of the laydown area yard.

Based upon CDM's visual observations of soil staining and general housekeeping of hazardous materials, the current hazardous materials storage areas in the leased portion of the Non-Operational Area have the potential to adversely impact soil and/or groundwater at the Plant.

Power Generation and Operations Area

Hazardous materials used within the Power Generation and Operations Area primarily include dielectric fluid, diesel and gasoline fuels, lubricating oils, paints and solvents, and acid. The primary locations where hazardous materials are stored and used are as follows:

- *Transformer Banks* - Five transformer banks are located south of Units 1 through 5; two transformers are located north of Units 6 and 7; and four transformers are located at the northwest corner of Units 1 through 3. All of the transformers contain dielectric fluid. Leaks or spills of dielectric fluid from this equipment would be contained by rock blotter which surrounds each transformer.
- *Mobile Gas Turbine Diesel Tanks* - Two 9,126-gallon diesel fuel ASTs for a mobile gas turbine generation unit are located within a concrete secondary containment basin directly south of transformer bank 3. These tanks were reportedly used previously for containing dielectric fluid from transformers and were cleaned prior to use as diesel storage tanks.

- *Fuel Oil Additive Tank* - One 17,000-gallon fuel oil additive AST is located on the west side of Units 6 and 7. This tank is provided with a steel secondary containment shell that can hold the entire contents of the tank plus precipitation.
- *Lube Oil Storage Tanks* - Two 18,000-gallon lube oil ASTs (one clean oil and one dirty oil) are located on the west side of Units 6 and 7. These tanks lie within a secondary containment area that prevents oil from contaminating the storm drain system. The curbed area drains into a sump, which is pumped to the oil/water separator system. Lubricating oil tanks for Units 1 through 5 are located in a completely enclosed room in the building for Units 1 through 3. All drains from this room are routed to a sump that is pumped to the oil/water separator system. Each of Units 1 through 7 also has a lube oil reservoir, cooler, and filter unit. These pieces of equipment are also located in areas where drainage is contained and pumped to the oil/water separator system (PG&E, 1994a).
- *Diesel Fuel Tank Near Sandblast Building* - A 250-gallon tank for diesel fuel used for the fire pump is located outside the east end of the diesel fire house, north of the sandblast building. This tank is supported on a steel saddle on a concrete slab within a concrete secondary containment area that drains to the oil/water separator.
- *Fuel Tanks Near Warehouse* - One 1,000-gallon double-wall, precast concrete storage tank containing gasoline and one 500-gallon double-wall, precast concrete storage tank containing diesel fuel are located between the warehouse and the shoreline of the San Joaquin River. The secondary containment for each tank is an integral part of its construction.
- *Neutralization System Sulfuric Acid Storage Tank* - A 2,000-gallon tank for sulfuric acid is located within the concrete secondary containment area for the demineralization regeneration wastewater neutralization system.
- *Neutralization System Sodium Hydroxide Storage Tank* - A 500-gallon tank for sodium hydroxide is located within the concrete secondary containment area for the demineralization regeneration wastewater neutralization system.
- *Neutralization System Tank* - A 100,000-gallon tank for neutralization of demineralizer regeneration system wastewater is located within the concrete secondary containment for the demineralization regeneration wastewater neutralization system.
- *Anion/Cation Bed Sodium Hydroxide Storage Tank* - A 500-gallon sodium hydroxide tank is located within a secondarily-contained, concrete-bermed area of the demineralization system.
- *Anion/Cation Bed Sulfuric Acid Storage Tank* - A 6,000-gallon sulfuric acid tank is located within a bermed area at the north end of the demineralization system. Leaks or spills from this tank are conveyed to an acid transfer tank located in a subgrade vault.
- *Insulation and Coating Department Storage Trailers* - Paints and solvents are stored in trailers in the southwestern portion of Power Generation and Operations Area.

- *Ammonium Hydroxide Tank* - A 110-gallon ammonium hydroxide tank is located in a secondarily-contained, concrete-bermed area outside the north side of the Units 6 and 7 building.
- *Units 1 through 7* - The buildings for Units 1 through 7 contain various chemicals including lube oil, sulfuric acid contained in batteries for emergency power, compressed gases, and solvents.

Natural gas is delivered by a PG&E natural gas transmission pipeline. Gas arrives at the gas regulator station located east of the elevated parking area. Gas condensate was reportedly collected in a former AST and disposed of off site. Natural gas condensate is currently pumped to a tanker truck for offsite disposal.

Sodium hypochlorite is used as-needed for chlorination of once-through cooling water to prevent algae and residue buildup on the inside of the condenser tubes.

Sulfuric acid is used to regenerate cation exchange resin in the demineralizer system, lower the pH of reverse osmosis system feedwater, and neutralize caustic solutions used in regenerating anion exchange resin in the demineralizer system.

Since 1986, the Plant has used a boiler wastewater management system. This aboveground system treats liquid hazardous waste from the acid cleaning of the fireside, air preheater and boiler interiors (see Figure 3-5a and Photograph 5). This treatment system uses caustic, lime, or magnesium hydroxide to neutralize the cleaning solution, precipitating out the metals, and filter pressing the solution to form a filter cake (PG&E, 1994b). The solids are then disposed of at a Class I disposal site and the treated clean water is discharged to the San Joaquin River in compliance with the Plant's NPDES permit.

Based upon the available information, and CDM's interviews and visual observations, the current hazardous materials storage areas in the Power Generation and Operations Area do not appear to have adversely impacted the Plant.

5.1.2 Hazardous Waste

Hazardous waste elements required by Title 22 of the California Code of Regulations (CCR) and Titles 40 and 49 of the Code of Federal Regulations, are contained in the Plant's AB2185/SARA Title III Business Plan (PG&E, 1996a). This document serves as the generator and hazardous waste treatment contingency plan for the Plant and describes hazardous waste accumulation areas which lie within the Power Generation and Operations Area. The Plant's EPA ID number is CAT080011489. Table 5-2, 1994 Hazardous Waste Quantities, summarizes types and quantities of hazardous wastes generated at the Plant (PG&E, 1995).

Table 5-2 1994 Hazardous Waste Quantities		
California Waste Code	Waste Description	Tons in 1994
132	aqueous solution with metals	0.25
151	asbestos	33.21
181	inorganic solid waste	61.91
213	hydrocarbon solvent	0.01
221	waste and mixed oil	252.66
223	oil-containing waste	15.10
261	PCB-containing materials	0.50
291	latex waste	1.02
352	other organic solids	1.49
461	paint sludge	0.31
491	unspecified sludge waste	1.57
512	empty containers > 30 gallons	1.00
513	empty containers < 30 gallons	0.49
571	fly ash and bottom ash	2.63
611	acid-contaminated soils	0.20
725	waste mercury (recycled)	0.09
	fireside/air preheater rinse waters	102.44

Source: PG&E, 1995

Fuel Tank Farm

Except for a small valve leak observed in the oil supply pipeline manifold area (see Figure 3-5b and Photograph 6), no obvious signs of major spills or other leaks of fuel were observed in the Fuel Tank Farm area. The valve leakage was observed to be limited to the equipment and its support; the paved ground surface did not appear to be impacted by the oil leakage.

Based upon the available information and CDM's interviews and walkthrough of the Fuel Tank Farm, hazardous waste management in the Fuel Tank Farm does not appear to have adversely impacted the Plant.

Switchyard

Hazardous waste generated in the Switchyard is managed by personnel from the main Plant. The walkthrough of the Switchyard revealed no evidence of spills or leaks from the equipment and the Switchyard appeared well maintained. However, Plant personnel recalled two incidents of oil circuit breaker explosions described as follows:

- According to Messrs. Bright, Prowse, and Randy Barrick, Traveling Machinist Foreman with the Plant for 16 years, in approximately 1976 the Unit 4 circuit breaker exploded and during the period from approximately 1979 to 1981 the Unit 1 circuit breaker exploded. Because the

potential exists for dielectric fluids to have been released to the unpaved ground surface as a result of these explosions, the potential exists for dielectric fluid to have impacted the soil in the vicinity of the Unit 1 and Unit 4 circuit breakers.

Power Generation and Operations Area

Hazardous waste is generated at several locations throughout the Power Generation and Operations Area. These areas include the sandblast building, machine shop and the I&C Department Construction Yard.

The main hazardous waste accumulation area for the Plant is located outside the north wall of the warehouse located north of Units 4 and 5 (see Figure 3-5a and Photograph 7). Satellite hazardous waste accumulation areas are located throughout the Plant, including the building for Unit 3, the vicinity of the machine shop (also known as the mechanical equipment bay), the chemical laboratory in Units 4 and 5, the chemical laboratory in Units 6 and 7, the reverse osmosis building, outside the sandblast building, and the I&C Department Construction Yard (see Figure 3-5a).

Currently, there are no hazardous waste treatment, storage or disposal units at the Plant which require a hazardous waste facility permit. However, the boiler wastewater treatment system is regulated by a conditionally-authorized hazardous waste treatment permit under the permit by rule/tiered permit program.

The boiler wastewater management system (BWWMS) at the Plant consists of permanent aboveground pipes, surge chambers, and pumps to convey wastewater from the boilers to the treatment facility (DHS, 1989). The treatment facility consists of 12 portable tanks and permanent pumps, valves, and filters located within a concrete curbed containment area (see Figure 3-5a and Photograph 5).

As wastewater is discharged to the BWWMS, sodium hydroxide, lime, or magnesium hydroxide is injected to raise the pH for precipitation of metals. At the treatment facility, wastewater is pumped from the tanks through a filter press and recirculated back to the tanks. The filter press removes the metal hydroxide sludge. Recirculation continues until NPDES discharge requirements for the water are reached and the water is discharged to the San Joaquin River. The filter cake is placed into dumpsters and disposed of off site.

During the site walkthrough, hazardous waste appeared to be properly managed within the satellite accumulation areas and the main hazardous waste accumulation area. No spills or waste piles were observed during the walkthrough. Based upon the available information collected to date by CDM, the current hazardous waste accumulation and storage areas do not appear to have adversely impacted the Power Generation and Operations Area.

Interviews with Plant personnel, observations made during the site walkthrough, and review of records pertaining to historic operation of the Power Generation and Operations Area revealed the following events or potential concerns:

- On January 19, 1989, approximately five gallons of lube oil were spilled into the discharge channel for Units 1 through 5. Corrective action included the deployment of containment booms and absorbent pads (E&E, 1996). No additional information was available from PG&E or the regulatory agencies regarding the extent of the affected area or the cleanup of this release.
- On October 2, 1991, approximately one to three gallons of lube oil were spilled into the discharge channel for Units 1 through 5. The oil spill plan was implemented and two containment booms were deployed at the discharge channel. Absorbent booms and pads were used to clean up the oil sheen which was trapped by the containment booms, with no apparent impact observed in the river or on the shoreline (E&E, 1996). On October 16, 1991, PG&E provided written documentation to the regulatory agencies regarding this release (PG&E, 1991b). No additional information was available from PG&E or the regulatory agencies regarding the extent of the affected area or the cleanup of this release.
- On January 24, 1993, approximately one to two gallons of fuel oil residue were discharged from storm drain Outfall 004. Cleanup activities included selective spot harvesting of oil-tarred vegetation along approximately 100 feet of shoreline under the direction of the California Department of Fish and Game (E&E, 1996). On January 29, 1993, PG&E provided written documentation to the regulatory agencies regarding this release (PG&E, 1993). To prevent reoccurrence of this type of release, PG&E isolated the equipment suspected of causing the release. No additional information was available from PG&E or the regulatory agencies regarding the extent of the affected area or the cleanup of this release.
- According to the VISTA report, on July 28, 1994, approximately five gallons of light turbine oil were released which affected the San Joaquin River. No additional information was available from PG&E or the regulatory agencies regarding the extent of the affected area or the cleanup of this release.
- According to Mr. Brockman, the paint department was formerly located northeast of the existing Quonset building (see Figure 3-5a). This building had a bare soil floor and was used for storage of painting materials including paint thinner. Paint brushes were cleaned inside of the building. Mr. Brockman further indicated that paint pots were washed on an unpaved surface near the traveling screens for the Units 6 and 7 cooling water intake. Based upon the age of the Plant, oil- and lead-based paints were likely used. Because paint thinner was used and clean-up operations were conducted over an unpaved ground surface, the potential exists for lead-based paints and paint thinner to have impacted the soil and groundwater in these areas.
- According to Mr. Prowse, solvent bins were formerly used for parts cleaning. Dirty solvent was reportedly placed into drums which were emptied into a sump adjacent to the oil/water separator system. The solvent bins were reportedly removed around 1989 to 1991 and this practice is no longer conducted. Based upon the available information and CDM's interview and visual observations, no evidence of subsurface contamination was identified from this practice.

In a letter to the DTSC, PG&E stated that drainage from degreasers and steam cleaners, and drainage from cleaning of vehicles and turbine parts, as well as spent cleaners from small jobs were normally discharged to the Plant drainage system and into the oil/water separator, or into a service container (PG&E, 1996b). Because oily wastes and spent cleaners were discharged to the drainage system, and because the integrity of the drainage system is unknown, the potential exists for leakage of these wastes to have impacted the Plant.

- A minor leak of sulfuric acid into the secondary containment area was observed in the battery room for Units 1 through 3. Based upon CDM's observations, the spilled acid does not appear to have adversely impacted the Plant.
- Beneath the cardboard compactor located south of the warehouse, the concrete and asphalt pavement is stained from an apparent hydraulic oil leak (see Photograph 8). Because the hydraulic oil may have migrated through the concrete or asphalt, the soils in this area may have been impacted.
- On the third level of the building for Units 6 and 7, spilled caustic and/or trisodium phosphate cleaner was observed at a chemical storage area (see Photograph 9). Based upon CDM's observations and because the spilled material is not in contact with the ground, there does not appear to have been an adverse impact to the Plant from this release.
- According to Messrs. Barrick, Bright, Kino, and Prowse, in 1987 or 1988 displacement oil was released from an expansion joint onto the pavement near the marine loading dock. According to Mr. Kino, the spill was contained on the pavement, immediately cleaned-up, and did not reach the river. Based upon the information provided to CDM, there does not appear to have been an adverse impact to the Plant from this release.
- According to Messrs. Barrick, Bright, and Prowse, the main transformers formerly dripped dielectric fluid into the rock-filled basins (rock blotters) surrounding the base of the transformers. Selected rock blotter basins are reportedly underlain by concrete with subsurface drains which discharge to the oil/water separator. Due to leakage from the transformers, contaminated rock has historically been replaced. In a letter to the DTSC, PG&E identified the release of spills or leaks to the rock blotters beneath the transformers (PG&E, 1996b).

In addition, PG&E identified a concrete basin equipped with a drain valve which collected runoff from the rock blotters (PG&E, 1996b). Effluent from the concrete basin was discharged to the riverbank. Neither the location of the underground piping or the concrete basin was identified by PG&E, and the disposition of the oily wastes from the concrete basin was not stated. Therefore, the potential exists for subsurface contamination resulting from possible leakage of transformer oil from the underground piping and the concrete basin.

During the site walkthrough on June 25, 1997, a construction crew had partially removed rock blotter around transformer bank 5, south of Unit 5. Concrete slabs were observed beneath, but not between, each transformer within this bank. During a subsequent

walkthrough on August 12, 1997, concrete slabs beneath most of the transformers in transformer banks 1 through 5 were exposed. Based upon observations during this walkthrough, the concrete was uncracked and unstained. Although drains have been reported to exist within the rock blotters beneath the transformers, drains were not observed in the concrete beneath the transformers. Because of the reported dripping of dielectric fluid from transformers and the release of spills or leaks to rock blotters beneath the transformers, the potential exists for soil beneath the transformers, outside of the unstained concrete pads, to have been impacted by dielectric fluid.

- According to Messrs. Barrick, Bright, and Prowse, underground transfer lines were used for removing dielectric fluid from transformers in the transformer banks 1 through 5. Plant personnel could not verify whether these lines have been tested. In June 1997, a construction crew working around transformer bank 5 discovered a dielectric fluid transfer pipeline which appeared to have formerly serviced this transformer bank. As part of construction operations, approximately 100 gallons of fluid were drained from the transfer lines. Written documentation regarding the integrity of these transfer lines was not available from PG&E or the regulatory agencies. Because the integrity of these transfer lines is unknown, the potential exists for soil around these transfer lines to have been impacted by dielectric fluid.
- During the site walkthrough, the dielectric fluid transfer manifold was observed in the basement of Unit 3 (see Figure 3-5a). The manifold system is located within a concrete block enclosure and against the southern basement wall. The floor of the manifold area was observed to be stained with oil which appeared to have passed through the block wall and stained the basement floor adjacent to the north and eastern walls of the manifold enclosure. Because the oil was observed to have migrated through the block wall, the potential exists for the soil and/or groundwater beneath the basement floor to have been impacted by dielectric fluid.

The following pre-1971 waste disposal practices were presented by PG&E to the DTSC (PG&E 1996b):

- Solid material removed from the hopper section of boilers, stack bottoms, and from boiler wash sump bottoms was placed as fill along the northern portion of the site.
- Waste fuel oil may have been placed between Units 6 and 7 and in the Switchyard.

PG&E indicated to the DTSC that they are attempting to determine where the wastes were placed. Analysis of boiler fireside and air preheater wastes indicate the presence of total chromium, copper, fluoride and lead (Mittelhauser, 1985). Because the wastes described above may have similar constituents, subsurface disposal of solid material from boilers, stack bottoms and waste fuel oil may have adversely impacted the Plant.

- Wastewater from the washing of certain boiler components was discharged to the oil/water separator or to a "collecting pit". In subsequent years, surface impoundments were constructed to treat these wastes separately. Because boiler cleaning wastes contain metals, and because the integrity of the piping to the oil/water separator and the collecting pit is unknown, the potential exists for subsurface impacts to have occurred.

Surrounding Properties

- The Gaylord Container Corporation/Louisiana Pacific Corporation property is located adjacent to the western border of the Plant and is listed as a generator of hazardous waste and as a CERCLIS site. A review of records at the DTSC and the CCCHSD revealed no environmental conditions having the potential to adversely impact the Plant. However, based on interviews with Mr. Kino, in the mid 1980s, an unknown amount of black liquor was released at the Gaylord Container Corporation site adjacent to Tanks 5 and 6 at the Plant. Black liquor is a resin extract from wood pulp containing sodium sulfide and hydroxide which can be used as a fuel source. Mr. Kino stated that the west side of the Plant between Tanks 5 and 6 may have been impacted by this release; however, no remedial action occurred because the material was deemed non-hazardous and the CCCHSD did not require remediation of the release. Because the contaminants of concern for black liquor have not been identified, and the volume of the release is unknown, the potential exists for soils and/or groundwater to have been impacted.

5.1.3 Solid Waste Management Units

During the electrical generation process and associated power plant maintenance activities, a variety of hazardous wastes are generated. Nine solid waste management units (SWMUs) were identified as part of a Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) (A.T. Kearney, 1986). A SWMU is any unit at a hazardous waste facility from which hazardous constituents might migrate. Three of the nine SWMUs (SWMUs 4.1, 4.2, and 4.3) were investigated to determine the extent of remedial action required, if any. After remedial action and preparation of closure reports, the regulatory agencies have since granted closure to these SWMUs. The SWMUs and their associated operation and RCRA status are identified in Table 5-3, Solid Waste Management Units.

Table 5-3 Solid Waste Management Units		
Solid Waste Management Unit	Operational Status	RCRA Process
4.1 - Air Preheater and Fireside Washwater Evaporation Pond	No Longer In Use	RFA - 1986 Clean Closure - 1988
4.2 - Boiler Chemical Cleaning Waste Evaporation Pond	No Longer In Use	RFA - 1986 Clean Closure - 1988
4.3 - Oily Water Treatment System	No Longer In Use	RFA - 1986 No Further Action Recommended - 1996
4.4 - Demineralizer Regeneration Neutralization System	In Use	RFA - 1986. No Further Action Recommended
4.5 - Boiler Blowdown Filter System	In Use	RFA - 1986. No Further Action Recommended
4.6 - Drum Accumulation Areas	No Longer in Use	RFA - 1986. Adequate Containment Recommended. New Containment Area Constructed
4.7 - Asbestos Handling Areas	No Longer in Use	RFA - 1986. No Further Action Recommended.
4.8 - Mercury Collection Area	No Longer in Use	RFA - 1986. No Further Action Recommended.
4.9 - Leach Fields	In Use	RFA - 1986. Remedial Action Recommended.

Source: A.T. Kearney, 1986; DHS, 1988; RWQCB, 1996; and RWQCB, 1988.

SWMU 4.1 - Air Preheater and Fireside Washwater Evaporation Pond. This former SWMU is located on the east side of the Plant, west of the elevated parking area. This below grade pond was divided into two chambers with a combined capacity of 892,000 gallons, and served as settling units. Wastes managed in this unit consisted of the air preheater and fireside washwater from the boilers. Conclusions presented in the RFA stated that there was no potential for releases from this unit since it was cleaned of wastes and removed from service.

On April 1, 1985, PG&E submitted a closure plan to the EPA for the air preheater and fireside washwater evaporation pond (APFWP) to demonstrate through subsurface investigation that no hazardous wastes were left on site (Mittelhauser, 1985).

In January 1988, PG&E submitted the surface impoundment closure report to the regulatory agencies (Mittelhauser, 1988). To achieve closure, part of the liner from this pond was removed and soils were excavated. The closure report indicated that, although the impoundment leaked hazardous constituents, soil samples from below the west side of the APFWP had concentrations less than clean-up levels of all parameters, and that the concrete and subsoils below the east side of the APFWP were not contaminated. This unit received clean closure from the DHS (DHS, 1988) and the RWQCB (RWQCB, 1988) in 1988.

SWMU 4.2 - Boiler Chemical Cleaning Waste Evaporation Pond. This former SWMU was located south of Units 6 and 7 and consisted of a reinforced concrete pond with a capacity of 240,000 gallons. This pond received chemical cleaning wastewater from the boilers. Wastes managed in this unit included hydrochloric acid, corrosion inhibitor, ammonium bifluoride, thiourea, and possibly ammonium hydroxide and sodium bromate. Conclusions presented in the RFA indicated that no potential for releases existed because wastes were no longer present in the pond.

On April 1, 1985, PG&E submitted a closure plan to the EPA for the Boiler Chemical Cleaning Waste Evaporation Pond (BCCWP) to demonstrate through subsurface investigation that no hazardous wastes were left on site (Mittelhauser, 1985). Successful completion of the closure of the APFWP and BCCWP would terminate the RCRA Part B permit.

In January 1988, PG&E submitted the surface impoundment closure report to the regulatory agencies (Mittelhauser, 1988). To achieve closure, the concrete pond was removed and four dewatering wells were installed around the pond so that soils below the groundwater table could be removed (Photograph 10). The closure report indicated that although the impoundment leaked hazardous constituents, soil samples from below the BCCWP had concentrations less than clean-up levels of all parameters, except fluoride. This unit received clean closure from the DHS (DHS, 1988) and the RWQCB (RWQCB, 1988) in 1988.

Although the BCCWP received clean closure from the regulatory agencies, one year of post-closure groundwater monitoring was required by the EPA. Quarterly post-closure groundwater monitoring of wells 1 through 5 commenced in March 1990. The wells were sampled for five consecutive quarters and were last sampled on March 28, 1991. The March quarterly report concluded that no organic contamination was detected and that only very low concentrations of manganese, fluoride and iron were present (PG&E, 1991c). In a letter to PG&E, the EPA stated that the groundwater has not been significantly impacted by the two former surface impoundments and that no further action needed to be taken relative to the surface impoundments (EPA, 1991).

SWMU 4.3 - Oily Water Treatment System. From 1950 through May 1994, wastewater was collected from surface drains throughout the Plant and processed through the former oil/water separator system which was located in the northwest corner of the Plant. The treatment system consisted of an oil/water separator (aboveground tank), two 300,000-gallon storage reservoirs (north and south lagoon), a hydrocleaner (air flotation unit), two sand filters and associated pumps and pumping basins. Treated water from the oil/water separator flowed by gravity to the south lagoon and then to the hydrocleaner which removed emulsified oil. Water was then processed through the sand filters and then to the north lagoon for settling of solids. Water from the north lagoon was then

discharged to the Units 1 through 5 discharge channel. Wastes managed in this unit included petroleum hydrocarbons and solvents.

The RFA indicated that there was a potential for releases to groundwater from the underground piping. In 1995, the DTSC accepted PG&E's closure certification report for the oil/water treatment system stating that the site was officially closed (DTSC, 1995). In 1996, the RWQCB stated that there was no groundwater or soil contamination beneath the removed oil/water separator and that the RWQCB will take no further action at this site (RWQCB, 1996). Details of the closure of the oil/water separator system are presented below.

In 1994, PG&E began closure activities for the oil/water separator tank in accordance with the requirements under Chapter 14 of Title 22 of the CCR (PG&E, 1996c). During closure activities, a relatively small amount of petroleum-impacted soil was encountered near a return collection sump located adjacent to the oil/water separator feed sump. As part of remedial activities, the return collection sump and the impacted soils were removed.

After removal of the oil/water separator and the asphalt containment pad, the soil beneath the pad was observed for staining. No signs of oil-stained soil were observed underneath the asphalt. On August 18, 1994, four discrete and three composite soil samples were collected in the vicinity of the removed oil/water separator using hand-sampling equipment (TEE, 1994). The soil samples were analyzed for total and soluble California Action Metals (17 metals), total extractable petroleum hydrocarbons, PCBs, volatile organic compounds, and aquatic toxicity. The soil analytical results indicated low concentrations of metals and elevated petroleum hydrocarbon concentrations on the south side of the removed oil/water separator adjacent to the wastewater sump, and west of the removed oil/water separator.

On August 23, 1994, two soil samples were collected at depths of eight and nine feet adjacent to the wastewater sump and analyzed for total recoverable petroleum hydrocarbons (TRPH) and oil and grease. The soil analytical results indicated concentrations of TRPH up to 11,000 ppm and oil and grease up to 460 ppm. Based upon the depth of the hydrocarbon contamination, a return collection sump located between the oil/water separator and the wastewater sump was the suspected source of impact. On November 10, 1994, PG&E removed the return collection sump and excavated soil. Additional soil excavation was also conducted west of the removed oil/water separator and a confirmatory sample was collected and analyzed for TRPH. The analytical results of this test indicated no detectable concentrations of TRPH.

On December 15, 1995, two soil borings were drilled approximately five feet from the north and west sides of the wastewater sump (PG&E, 1996c). Two soil samples collected from the borings were analyzed for TRPH, oil and grease. One grab groundwater sample was analyzed for TRPH and benzene, toluene, ethylbenzene, and xylenes. The analytical results indicated that none of the constituents were detected.

On April 22, 1996, after review of the closure reports for this facility, the RWQCB stated that no further action was required at the oil/water separator site (RWQCB, 1996). According to Mr. Bauman, closure documentation for the north and south lagoons does not exist. Because these lagoons managed wastes from the oil/water treatment system, the potential exists for historical operations to have impacted the Plant.

SWMU 4.4 - Demineralizer Regeneration Neutralization System. This unit was located in the northwest corner of the Plant next to the oil/water treatment system. Wastes managed in this unit included sulfuric acid, sodium hydroxide, and various cations and anions. Conclusions presented in the RFA indicated that there was a minimal potential for releases from this unit because of its design and operating characteristics. The demineralizer regeneration neutralization system consisted of a concrete settling pond (north lagoon) which received regenerant waste streams, and a concrete neutralization sump that adjusted the pH of the wastewater from the pond. After flowing through the sump, the wastewater was discharged to the once-through cooling water discharge canal.

SWMU 4.5 - Boiler Blowdown Filter System. Filter cartridges are used to strain boiler blowdown from Units 1 through 5 before it reaches the cooling water discharge canal. Wastes managed from this unit include iron and copper compounds. Units 6 and 7 are not equipped with filter cartridges. According to the RFA, there was no risk of a release due to the unit's construction.

SWMU 4.6 - Drum Accumulation Areas. The drum accumulation areas are located at the north end of the Plant and include drummed hazardous waste solids, a flammable waste storage building, and a hazardous waste dumpster. Workplace accumulation areas are located within the generating units of the Plant. Wastes managed at this unit include waste oils, spent solvents, paints, spent boiler blowdown filters, and other wastes. Conclusions from the RFA indicated there was a low potential for releases from the workplace accumulation areas because of the placement of the areas within the generating units and that releases from the flammable waste storage building are improbable due to the unit's construction. The RFA also stated that although there was a minimal potential for releases from the main hazardous waste storage area due to the asphalt pavement in the building, releases could reach the San Joaquin River because the storage area did not have secondary containment.

SWMU 4.7 - Asbestos Handling Areas. The asbestos handling areas are located throughout the Plant. Asbestos wastes are generated and stored in drums in the work areas. When the drums are full, they are taken to a locked trailer at the east side of the Plant near Units 6 and 7 where they await shipping for offsite disposal. According to the RFA, the asbestos handling areas presented no potential for releases.

SWMU 4.8 - Mercury Collection Area. This unit is located at the north end of the Plant and consists of a metal cabinet where used mercury from assorted instruments is kept prior to offsite recycling. Conclusions in the RFA indicated that there was minimal potential for releases from the mercury collection area due to the small volume of waste accumulated and the Plant's waste management procedures.

SWMU 4.9 - Leach Fields. The RFA identified three leach fields located in the northern half of the Plant. Two of the leach fields are leach mounds. The leach field and one leach mound receive only sanitary wastes from the Plant. The leach mound south of Units 4 and 5 also receives wastewater from sink drains in the laboratory. This leach mound manages wastes from NPDES permit limit testing, boiler water testing, and other water analyses. According to the RFA, the sanitary waste leach field and leach mound presented no potential for releases if they only received sanitary wastes. Because the south leach mound may have received hazardous laboratory wastes, recommendations presented in the RFA stated that a soil sampling program should be performed in the vicinity of this leach mound to determine if hazardous waste disposal occurred. No soil sampling reports for this area were available from PG&E or the regulatory agencies. Therefore, the potential exists for past releases of hazardous wastes to this leach mound to have impacted the Plant.

5.2 Solid Waste/Non-Hazardous Waste

Facility employees are responsible for the management of all non-hazardous wastes generated at the Plant. Non-hazardous waste is managed within the Power Generation and Operations Area, and was observed in the southeast portion of the Non-Operational Area.

Non-Operational Area

During the site walkthrough the following was observed:

- Approximately 300 used vehicle tires were observed along the eastern boundary of the Non-Operational Area south of Wilbur Avenue. According to Mr. Gallo, the tires are the result of unauthorized disposal by the public. The potential for used vehicle tires to impact the Plant is considered to be low.

Power Generation and Operations Area

During the site walkthrough the following was observed:

- Small piles of construction debris consisting of soil, concrete, asphalt and sandblast grit were observed on the bare ground adjacent to the marine terminal dock. No written documentation regarding the hazardous properties, if any, of these waste piles were available from PG&E or the regulatory agencies. Based upon observation of the sandblast grit, the potential for contamination of the soil and groundwater exists.
- Piles of soil containing asphalt, concrete, and wood were observed between the Switchyard and the I&C Department Construction Yard. According to a sampling and characterization report for spoil piles at the Plant prepared by PG&E, approximately 750 cubic yards of spoil from construction activities were placed in this area (PG&E, 1997). Based upon analytical results of three composite soil samples, total petroleum hydrocarbons (TPH) as diesel and motor oil were detected up to 132 and 190 ppm, respectively. PCBs were not detected in any

of the composite soil samples. Because petroleum hydrocarbons were detected, the potential exists for these fill piles to adversely impact the Plant.

- Review of historical documents indicated that two concrete-lined ponds formerly located north of the reverse osmosis building were used for raw water clarifier sludge. The concrete-lined ponds are visible in the 1988 oblique aerial photographs and in historical Plant diagrams (see Figure 3-6 and Appendix A2). Raw water clarifier sludge is generated from the backwashing of sand filters. Sand filters are used to treat (filter) raw river water prior to processing (via reverse-osmosis and demineralization) for use of the water as boiler makeup.

The clarifier sludge is disposed of in a fenced area at the southeast corner of the Plant (see Figure 3-5b and Photograph 11). This material is considered to be non-hazardous. Under RWQCB Order No. 79-193, Waste Discharge Requirements were issued allowing the disposal of raw water clarifier sludge in the approximately 12-acre field located in the southeast corner of the Power Generation and Operations Area (RWQCB, 1979). Similar material from PG&E's Pittsburg Power Plant can also be received here (RWQCB, 1980). According to information contained in the Waste Discharge Requirements, a typical sample of clarifier sludge contains 90 milligrams per liter (mg/L) of total dissolved solids, 40 mg/L of sulfate, 4 percent solids, and a pH of 6.7. Because the clarifier sludge is not expected to cause adverse impact to the Plant, no impact from the former use of these concrete-lined ponds is anticipated.

5.3 Polychlorinated Biphenyls

PG&E has established a corporate level program of removal and replacement of PCB-containing equipment. Currently, no electrical equipment is present at the Plant with a reported PCB concentration greater than 50 ppm (PG&E, 1996d). Based upon PCB concentrations, a PCB Annual Document is not required for this Plant.

Plant personnel were unaware of any light ballasts containing PCBs. PG&E's policy is to replace and dispose of PCB-containing light ballasts discovered during routine maintenance. Additional information regarding PCB usage in the Switchyard and Power Generation and Operations Area is discussed below.

Switchyard

The equipment in the Switchyard appeared well maintained with no obvious signs of spills or leaks. Switchyard electrical equipment containing dielectric fluid includes oil circuit breakers and transformers. Of the 55 pieces of equipment present, test results show that only three have reported concentrations of PCBs above the method detection limit ranging from 0.6 ppm to 3.1 ppm. However, an analytical test result dated November 17, 1981 indicates that concentrations of PCBs up to 70 ppm were present (PG&E, 1992). Historical releases of dielectric fluid are discussed in Section 5.1.2. Because dielectric fluids were not routinely tested for PCBs prior to 1975, and concentrations of PCBs up to 70 ppm historically existed in the Switchyard, it is possible that soils in the Switchyard have been impacted with PCBs from dielectric fluid releases.

Power Generation and Operations Area

Electrical equipment containing dielectric fluid located in the Power Generation and Operations area includes transformers and other equipment. Of the 60 pieces of equipment present, test results show that only 29 have reported concentrations of PCBs above the method detection limit. Of these, 11 have reported concentrations above 5 ppm. The maximum reported PCB concentration is 20.7 ppm, which is found in the "U 2 Neutral Grid Transformer" (PG&E, 1996d).

PG&E's survey shows PCB results for several variable frequency drive transformers as not detected with a method detection limit of 50 ppm. Based on information in PG&E's survey, CDM understands that PG&E plans to retest these pieces of equipment to ascertain whether PCBs are present in concentrations greater than 5 ppm.

According to Messrs. Barrick, Bright, and Prowse, underground transfer lines were used for removing dielectric fluid from the main bank transformers south of the west and east buildings. Plant personnel could not verify whether these lines have been tested. Although available test results indicate low concentrations of PCBs in the dielectric fluid for the main bank transformers, dielectric fluids were not routinely tested for PCBs prior to 1975. Because the integrity of these underground lines is unknown, and because the potential exists for PCBs to have historically been used in dielectric fluids, it is possible that soils adjacent to these lines have been impacted by PCBs from dielectric fluid leaks.

5.4 Asbestos-Containing Material

The Plant's Asbestos Operations and Maintenance Program document describes the work practices followed to ensure that potential asbestos hazards are addressed safely (PG&E, 1996e). Program components include a description of asbestos-containing material (ACM)-related work responsibilities, employee training requirements, procedures for reporting potential hazards, sampling responsibilities, safety precaution during abatement, inspections programs and waste management responsibilities. As Plant conditions warrant, ACM is managed or removed as equipment is serviced.

During the site walkthrough, CDM did not observe evidence of damaged or friable ACM. Mr. Brockman informed CDM that he was not aware of any ACM surveys conducted in the Power Generation and Operations Area. During abatement or removal it was reported that ACM is handled in accordance with all applicable regulations. A storage bin for ACM is located south of the I&C office (see Figure 3-4a). CDM's work did not include any ACM surveying or testing. CDM conducted only a preliminary observation for ACM that would be evident from the visual walkthrough.

5.5 Storage Tanks

This section discusses USTs and ASTs at the Plant and surrounding properties, including the underground fuel pipeline that delivers fuel to the Plant.

5.5.1 Underground Storage Tanks

Based on CDM's site walkthroughs and discussions with Plant personnel, one underground fuel oil pipeline is located at the Plant, and one gasoline UST was formerly used at the Plant.

Fuel Tank Farm

- PG&E's Pittsburg-Antioch fuel oil supply pipeline is located beneath the ground and enters the Plant property from the south. The government records searched did not indicate any spills or leaks associated with this pipeline. Plant personnel could not verify whether this pipeline has been hydrostatically tested.

Power Generation and Operations Area

- A permit for an UST was issued by the Contra Costa County Health Services Department, Environmental Health Division, on September 1, 1986 (CCCHSD, 1986). The tank was located north of the warehouse (see Figure 3-5a). The permit indicates that the 1,000-gallon capacity UST was installed in 1950 and contained unleaded gasoline. PG&E's permit application indicates that the installation date was estimated (PG&E, 1986b). A PG&E inventory record for this UST for the period of October 17, 1989 to November 16, 1989 contains a handwritten note indicating "tank removed from ground 11/14/89." In a letter from T. E. Grewis of PG&E to the State Board of Equalization, reference is made to the formal removal and clean closure of the UST under the guidance of the Riverview Fire Department (PG&E, 1990). However, no documentation was available from PG&E or the regulatory agencies regarding the condition of the tank, sampling and analysis of soil or groundwater, or whether evidence of spills or leakage was observed. Although no documentation was found regarding the condition of the UST or whether soil samples were collected, the reference to the clean closure of this UST by T. E. Grewis indicates that the potential for leakage from this UST or its piping to have adversely impacted the Plant is low.

Surrounding Properties

- *Antioch Paving Company* (2540 Wilbur Avenue) - This site, located approximately 1,500 feet west-southwest of the Plant, is listed as having a leaking UST (see Figure 3-7). Files at the Central Valley RWQCB and the CCCHSD indicate that four USTs that contained gasoline and diesel fuel were removed from this property in 1994. Minor soil contamination was excavated. Analytical results of soil samples from the excavation ranged from below the method detection limit to 20 ppm of TPH as diesel and 0.670 ppm of TPH as gasoline. Analytical results for stockpiled soil from the excavation ranged from below the method detection limit to 350 ppm of TPH as diesel and 5.40 ppm of TPH as gasoline. No groundwater samples were analyzed. Since this property is approximately 1,500 feet from the Plant and the potential for groundwater contamination appears to be low, no adverse impact on the Plant is anticipated.
- *San Joaquin Yacht Harbor* (San Joaquin Harbor Road) - This site is located adjacent to the northeast corner of the Plant and is listed as having an UST (see Figure 3-7). However, no

record of spills or leakage was found in agency records. Therefore, no adverse impact on the Plant is anticipated.

- *Lloyd's Holiday Harbor* (San Joaquin Harbor Road and Petris & Lloyds Harbor Road) - This site is located directly east of the San Joaquin Yacht Harbor, east of the Plant, and is listed as having a leaking UST (see Figure 3-7). An Underground Storage Tank Unauthorized Release (Leak)/Contamination Site Report dated October 31, 1991, indicates that a leak was discovered on October 15, 1991, during removal of two gasoline USTs. An October 28, 1991, report prepared by Tank Protect Engineering contains the results of laboratory analyses of soil samples collected following the removal of the two USTs (TPE, 1991). Stockpile samples were reported to contain up to 3,100 ppm of TPH as gasoline. Four soil samples collected from the two excavations showed concentrations of TPH as gasoline below the method detection limit of 0.5 ppm, and neither benzene, ethylbenzene, nor xylenes were reported above their respective method detection limits. Toluene was reported at a maximum concentration of 0.045 ppm. Based on the available information, the potential for groundwater contamination appears to be low and no adverse impact on the Plant is anticipated.
- *Peckham Property* (3257 East 18th Street) - This site is located approximately 2,000 feet south of the Plant and is listed as having a leaking UST (see Figure 3-7). An October 16, 1990 report prepared for Mr. Don Peckham by Uriah, Inc. describes soil sampling and analysis associated with excavation of four USTs that contained gasoline. The analytical results for the eight soil samples collected from the tank excavation were reported as being below the method detection limit for TPH as gasoline, benzene, and ethylbenzene. Toluene was reported at concentrations up to 21 parts per billion (ppb) and xylene was reported in one sample at 3 ppb. No groundwater samples appear to have been collected. Since this property is approximately 2,000 feet from the Plant and the potential for groundwater contamination appears to be low, no adverse impact on the Plant is anticipated.
- *Gaylord Container Corporation* (Wilbur Street at Vera Street) - This site is located directly west of the Plant (see Figure 3-7). According to files at the CCCHSD, five USTs were removed from various locations across this site. Minor leakage confirmed by soil tests was reported from one of the excavations. However, no adverse impact on the Plant is anticipated because the impacted soil was excavated and there was no indication of groundwater impact at this location.

5.5.2 Aboveground Storage Tanks

ASTs associated with the Plant are found within the Fuel Tank Farm, Non-Operational Area, and the Power Generation and Operations Area. Descriptions of existing ASTs are provided in Section 5.1.

Fuel Tank Farm

Nine ASTs are located in the Fuel Tank Farm area (see Figures 3-5a and 3-5b). Observations made during the walkthrough of the ASTs located in the Fuel Tank Farm area indicated no evidence of major spills or leaks and the tanks appeared to be well maintained. Based upon the available information, the current ASTs in the Fuel Tank Farm do not appear to have adversely affected the Plant.

Non-Operational Area

According to Mr. Mark Smith of PG&E's California Gas Transmission Department, natural gas condensate was formerly accumulated in a 5,000-gallon AST located within the gas regulation station. This AST was provided with secondary containment and was removed from the site in 1992. Mr. Smith indicated that the condensate was collected in a pipeline "drip leg" equipped with a level controller and pumped to the AST. During the site walkthrough, hydrocarbon-stained concrete and soil was observed on the east and west sides of the gas regulation station. Mr. Smith revealed the following information:

- Approximately 15 to 20 years ago, the gas regulation station became flooded with natural gas condensate as a result of a malfunction of the level controller in the drip leg. No additional information was available from PG&E or the regulatory agencies regarding this release. Based upon the observation of hydrocarbon-stained concrete and upon a release of natural gas condensate to this area, the near-surface soils in the gas regulation station may have been adversely impacted by natural gas condensate.

Power Generation and Operations Area

Based upon the available information, the currently operational ASTs in the Power Generation and Operations Area do not appear to have adversely impacted the Plant.

Surrounding Properties

The adjacent Gaylord Container facility has ASTs. However, readily available information did not indicate releases that may have adversely affected the Plant.

5.6 Herbicides and Pesticides

Herbicides and pesticides are applied at the Plant by a California-certified contractor. Herbicides or pesticides other than amounts which can be purchased "off-the-shelf" are not stored at the Plant. The contractor responsible for herbicides and pesticides application only applies EPA-registered compounds.

Based upon the Plant walkthrough, interviews with Plant personnel, and the records review, no past or present activities related to herbicide or pesticide use by PG&E appear to have adversely impacted the Plant. Mr. Gallo provided information stating that no spraying was conducted by the lessee of agricultural land located in the Non-Operational Area south of Wilbur Avenue. No sampling and/or testing for herbicides was conducted by CDM.

5.7 Potable Water

Potable water is provided by the City of Antioch. The City of Antioch is responsible for assuring that the potable water supplied to the Plant meets state and federal drinking water standards.

5.8 Wastewater and Stormwater

Industrial and domestic wastewater and stormwater discharges from the Plant are discussed in the sections below.

5.8.1 Industrial Wastewater

Industrial wastewater streams are generated and processed mainly within the Power Generation and Operations Area.

Power Generation and Operations Area

Industrial wastewater streams are generated and processed within the Power Generation and Operations Area. For purposes of this Phase I ESA, industrial wastewater is considered as that water which, through an industrial process at the Plant, comes in contact with potential contaminants. Industrial wastewater is associated with the following primary processes or operations:

- oil/water separator system
- boiler wastewater management system
- boiler blowdown
- demineralizer/neutralization system
- cooling water

Oil/Water Separator System

The existing oil/water separator system is a small-scale treatment unit designed to treat oil-containing wastewater generated throughout the Plant. The system is located in the northwest corner of the Plant (see Figures 3-5a and 3-6). The separator unit's principal function is to separate organic wastes from the wastewater. Ancillary wastewater treatment equipment is used to bring the water into compliance with discharge requirements. The treated wastewater is ultimately discharged to the San Joaquin River through Outfall 001 under the Plant NPDES permit No. CA 0004863.

- During the site walkthrough, two oily water collection sumps were observed in the floor of the basement at Units 1 through 3, and two oily water collection sumps were observed in the floor of the basement at Units 4 and 5. According to Mr. Gallo, Units 6 and 7 are not equipped with basement floor sumps. These sumps collect oily water from the basement floors and transfer the liquids to the oil/water separator system. The sumps were observed to contain liquid and various amounts of oil staining were observed on the interior sides, tops and on the basement floor around the sumps. Because these sumps likely accumulate oily

sludge, and the integrity of the sumps are unknown, the potential exists for leakage from these sumps to contaminate the soil and/or groundwater.

- During the site walkthrough, the oily water sump located in the Fuel Tank Farm at the southwest corner of the Switchyard was observed to contain a thick oily sludge. This sump collects yard runoff from the Switchyard and conveys the liquid to the oil/water treatment system. Visual observation of the bottom of the sump was restricted by the narrow opening and by the oily sludge. Because oily sludge was observed and the integrity of the sump is unknown, the potential exists for leakage from this sump to contaminate the subsurface soils and/or groundwater.

Boiler Wastewater Management System

Boiler washwater currently generated at the Plant consists of washes from the acid cleaning of the fireside, air preheater and boiler interiors. The resulting wastewater is then conveyed to the boiler wastewater management system for treatment and neutralization (see Section 5.1). The final effluent is routed to the San Joaquin River through Outfall 002 in accordance with the Plant NPDES permit No. CA 0004863.

Boiler Blowdown

Boiler blowdown is treated and reused as water makeup to the boilers. After leaving the condenser, the condensed boiler water is recirculated back to the boiler for reheating into steam. A portion of the condensed water (called blowdown) which has elevated concentrations of chemicals and salts is treated prior to reuse. This boiler blowdown is continuously "bled off" the boiler and is pumped to the boiler blowdown tank prior to being recycled to the boiler by passing it through a demineralizer system. Intermittently, a portion of this blowdown is discharged to the San Joaquin River through Outfall 002 in accordance with the Plant NPDES permit No. CA 0004863.

Demineralizer/Neutralization System

The demineralization/neutralization system houses the unit processes used to produce deionized water which is run through the boilers to generate steam. The spent resins are regenerated with either sodium hydroxide or sulfuric acid, depending on their ionic charge. Following regeneration, the spent sodium hydroxide and sulfuric acid flow to a 100,000-gallon aboveground neutralization tank located within a concrete secondary containment area. The mixture is then neutralized and discharged to the San Joaquin River through Outfall 001 in accordance with the Plant NPDES permit No. CA 0004863.

Cooling Water System

The Plant is permitted to use and discharge up to 38 million gallons per day (annual average flow) of once-through cooling water for Units 1 through 5 and up to 340 million gallons per day (annual average flow) for Units 6 and 7. Once-through cooling water is drawn from and discharged to the San Joaquin River. The intake structure for Units 1 through 5 is located approximately 250 feet from the shoreline in the San Joaquin River. The intake structure for Units 6 and 7 is located on the bank of the San Joaquin River. Cooling water from Units 1 through 5 is discharged via the discharge channel in the northwest corner of the Plant (Outfall 001). Cooling water from Units 6 and 7 is discharged via the discharge channel in the northeast corner of the Plant (Outfall 002).

5.8.2 Domestic Wastewater

The Plant utilizes three separate leach fields for disposal of sanitary sewage wastes and laboratory wastewaters.

Power Generation and Operations Area

One leach field and two leach mounds are located within the Power Generation and Operations Area. One leach mound is located north of Units 4 and 5; a leach field (no longer in use) is located along the north side of the parking lot west of the main office entrance, and the second leach mound is located south of Units 4 and 5 (see Figure 3-5a and Photographs 12, 13 and 14). Each leach mound provides service to the bathroom facilities located in the power generation buildings. However, the leach mound south of Units 4 and 5 also provided service to the Plant's analytical laboratory. Recommendations presented in the RFA stated that this leach mound (SWMU 4.9) should be investigated for subsurface contamination resulting from the suspected disposal of laboratory wastes (see Section 5.1.3, Solid Waste Management Units).

- Based upon review of a piping and mechanical drawing for the Plant, the two leach mounds currently in use replaced two leach fields (see Figure 3-5a). According to Mr. Gallo, the leach mounds replaced the leach fields in 1984. Because the leach mound south of Units 4 and 5 reportedly received wastes from the Plant's laboratory (see Section 5.1.3, Solid Waste Management Units), the potential exists that the former leach field in this area also received wastes from the Plant laboratory. Therefore, the potential exists for the soil and/or groundwater in the vicinity of the leach field south of Units 4 and 5 to have been impacted by laboratory wastes.

5.8.2 Stormwater

Procedures for handling stormwater discharges at the Plant are described in a site-specific Stormwater Pollution Prevention Plan (SWPPP) (PG&E, 1996f) and a Spill Prevention Control and Countermeasures Plan (SPCC) (PG&E, 1994a). Stormwater generated at the Plant is discharged to the San Joaquin River. The discharge is currently governed by the Plant's NPDES permit. Stormwater is managed at the Plant to minimize contact with contaminants in accordance with this NPDES permit. The NPDES permit defines storm drains as those that are considered to have no reasonable potential for contamination by oil because of the absence of oil handling equipment in the areas and would include roof drains and certain yard drains.

Fuel Tank Farm

The ground surface within the secondary containment for the fuel storage tanks is generally not paved. Surface drainage from the secondary containment for Tanks 1 through 5 flows to a ditch with catch basins that flow to the oil/water separator system. Surface drainage from the secondary containment for Tanks 6, 7, 8 and the displacement oil tank flows to the impounding basin. Water from the impounding basin can be pumped to the oil/water separator system if oil is present or to the storm drain system if no oil is present.

Switchyard

Oil circuit breakers in the Switchyard are surrounded by curbed rock-filled concrete basins. Drainage from these basins is collected in drain lines and piped to the oil/water separator. The entire Switchyard is graded to direct surface runoff to a collection sump at the southwest corner of the Switchyard which is pumped to the oil/water separator.

Power Generation and Operations Area

Stormwater runoff in the Power Generation and Operations Area that is potentially contaminated with oil enters catch basins and sumps and is piped to the oil/water separator system. Other drains collect stormwater which then flows by gravity into the river through Outfalls 004 and 006 through 010.

5.9 Lead-Based Paint

According to Messrs. Fletcher and Nicholson, lead-based paint likely exists on equipment throughout the Plant, primarily in the Switchyard, the Power Generation and Operations Area, and the Fuel Tank Farm. PG&E's past painting practices included using lead-based paint; however, PG&E no longer uses lead-based paint. As Plant conditions warrant, lead-based paint is managed or abated as necessary. During abatement or removal, lead-based paint is reportedly handled in accordance with applicable regulations. Messrs. Fletcher and Nicholson were not aware of any soil contamination resulting from lead-based paint at the Plant.

Section 6.0 Conclusions

This Phase I ESA performed by CDM for PG&E's Contra Costa Power Plant identified items 1 through 22 as recognized environmental conditions. Each of these items is discussed in detail in Section 5.0, Results of Site Reconnaissance, Records Review and Interviews.

General

1. The Plant is underlain with an approximately six-foot thick layer of artificial fill, derived from sources on or near the Plant (Mittelhauser, 1987). No information on the potential adverse impacts from this fill material, if any, is available.

Fuel Tank Farm

2. The oily water collection sump located in the Fuel Tank Farm at the southwest corner of the Switchyard was observed to contain a thick oily sludge. Because oily sludge was observed and the integrity of the sump is unknown, the potential exists for leakage from this sump to contaminate subsurface soils and/or groundwater.

Switchyard

3. According to Messrs. Barrick, Bright, and Prowse, there were two incidents of OCB explosions in the Switchyard. One explosion occurred around 1976 and the other around 1979 to 1981. It is not known whether releases of dielectric fluid potentially containing PCBs resulted, and if so, whether surrounding soils were contaminated.

Non-Operational Area

4. According to Mr. Smith, approximately 15 to 20 years ago, the gas regulation station became flooded with natural gas condensate as a result of a malfunction of the level controller in the drip leg. No additional information was available from PG&E or the regulatory agencies regarding this release. Based upon the observation of hydrocarbon-stained concrete and upon a release of natural gas condensate to this area, the near-surface soils in the gas regulation station may have been adversely impacted by natural gas condensate.
5. Based upon CDM's visual observations of soil staining and housekeeping of hazardous materials, the current hazardous materials storage areas in the leased portion of the Non-Operational Area have the potential to adversely impact soil and/or groundwater at the Plant.

Power Generation and Operations Area

6. According to Mr. Brockman, the former paint department building was located in the area northeast of the Quonset hut building. Mr. Brockman indicated that this building had a dirt floor and that paint brushes were cleaned in this area. Therefore, the potential exists for soil and groundwater to have been impacted in this area.

7. According to Mr. Brockman, paint pots were reportedly washed on an unpaved area near the traveling screens for the Units 6 and 7 cooling water intake. Therefore, the potential exists for soil and groundwater to have been impacted in this area.
8. Drainage from degreasers, steam cleaners, and cleaning of vehicles and turbine parts, as well as drainage from cleaning activities associated with small jobs, were normally discharged to the Plant's drainage system (PG&E, 1996b). Because the integrity of the drainage system is unknown, the potential exists for leakage of these wastes to have impacted soil and/or groundwater at the Plant.
9. Based upon site observations, hydraulic oil may have migrated through the asphalt around the cardboard compactor and impacted the underlying soil.
10. According to Messrs. Barrick, Bright, and Prowse, the main bank transformers formerly dripped dielectric fluid into the rock blotter. PG&E has also identified spills or leaks to the rock blotter beneath the transformers (PG&E, 1996b). Because dielectric fluid may have historically contained PCBs, the potential exists for the rock blotter and soil beneath the rock blotter to have been impacted by dielectric fluid and PCBs.
11. In a letter to the DTSC, PG&E identified a concrete basin which was used to collect runoff from rock blotter (PG&E, 1996b). However, neither the location of the underground piping nor the location of the concrete basin was identified. Because the integrity of these former facilities is unknown, the potential exists for soil and/or groundwater near these facilities to have been impacted.
12. According to Messrs. Barrick, Bright, and Prowse, underground transfer lines were formerly used for removing dielectric fluid from the main bank transformers. Plant personnel could not verify whether these lines have been tested. In June 1997, a construction crew working around transformer bank 5 discovered a dielectric fluid transfer pipeline which appeared to have formerly serviced this transformer bank. As part of construction operations, approximately 100 gallons of fluid were drained from the transfer lines. Written documentation regarding the integrity of these transfer lines was not available from PG&E or the regulatory agencies. Because the integrity of these transfer lines is unknown, the potential exists for soil around these transfer lines to have been impacted by dielectric fluid and PCBs.
13. The floor of the dielectric fluid manifold area was observed to be stained with oil which appeared to have passed through the block wall and stained the basement floor adjacent to the north and eastern walls of the manifold enclosure. Because the oil appeared to have migrated through the block wall, the potential exists for the soil and/or groundwater beneath the basement floor to have been impacted by dielectric fluid.
14. In a letter to the DTSC, PG&E indicated that solid material removed from the hopper section of boilers, stack bottoms, and boiler wash sump bottoms was placed as fill along the northern portion of the site. Waste fuel oil may also have been placed between Units 6 and 7 and in the Switchyard (PG&E, 1996b). Analysis of boiler fireside and air preheater wastes indicate the presence of total chromium, copper, fluoride and lead (Mittelhauser, 1985). Because the

wastes described above may have similar constituents, subsurface disposal of solid material from boilers, stack bottoms and waste fuel oil may have adversely impacted the Plant.

15. In a letter to the DTSC, PG&E indicated that wastewater from the washing of certain boiler components was discharged to the oil/water separator or to a "collecting pit" (PG&E, 1996b). In subsequent years, surface impoundments were constructed to treat these wastes separately. Because the integrity of the piping to the oil/water separator and the collecting pit is unknown, the potential exists for subsurface impacts from heavy metals associated with the waste to have occurred.
16. Because the north and south lagoons formerly managed wastes for the demineralizer and the oil/water treatment system, and because no information was available from PG&E regarding the closure of these facilities, the potential for soil and ground contamination from historical operations in this area exists.
17. According to the RFA, the leach mound located south of Units 4 and 5 reportedly received laboratory wastes from NPDES permit limit testing, boiler water testing, and other chemical analyses (A.T. Kearney, 1986). Recommendations presented in the RFA stated that a soil sampling program should be performed in the vicinity of this leach mound to determine if hazardous waste disposal occurred. No soil sampling reports for this area were available from PG&E or the regulatory agencies. Therefore, the potential exists for hazardous wastes which may have been discharged to this leach mound to have impacted the Plant.
18. During the site walkthrough, small piles of construction debris consisting of soil, concrete, asphalt and sandblast grit were observed on the bare ground adjacent to the marine terminal dock. No written documentation regarding the hazardous properties, if any, of these waste piles was available from PG&E or the regulatory agencies. Based upon observation of the sandblast grit, the potential for contamination of soil and groundwater exists.
19. Piles of soil containing asphalt, concrete, and wood were observed between the switchyard and the I&C Department Construction Yard. According to a sampling and characterization report for spoil piles at the Plant prepared by PG&E, approximately 750 cubic yards of spoil from construction activities were placed in this area (PG&E, 1997). Based upon analytical results of three composite soil samples, TPH as diesel and motor oil were detected up to 132 and 190 ppm, respectively. PCBs were not detected in any of the composite soil samples. Because petroleum hydrocarbons were detected, the potential exists for these fill piles to adversely impact the Plant.
20. Two oily water collection sumps were observed in the floor of the basements at Units 1 through 3, and two oily water collection sumps were observed in the floor of the basement for Units 4 and 5. These sumps collect oily water from the basement floors and transfer the liquids to the oil/water separator system. During the walkthrough, the sumps were observed to contain liquid. Various amounts of oil staining were observed on the interior sides, tops and basement floor around the sumps. Because these sumps likely accumulate oily sludge,

and the integrity of the sumps are unknown, the potential exists for leakage from these sumps to contaminate soil and/or groundwater.

21. Based upon review of a piping and mechanical drawing for the Plant, a leach field was formerly used adjacent to the leach mound south of Units 4 and 5. According to Mr. Gallo, the leach mound replaced the leach field in 1984. Because the leach mound south of Units 4 and 5 reportedly received wastes from the Plant's laboratory, the potential exists that the former leach field in this area also received wastes from the Plant laboratory. Therefore, the potential exists for the soil and/or groundwater in the vicinity of the leach field south of Units 4 and 5 to have been impacted by laboratory wastes.

Surrounding Properties

22. In the mid-1980s, an unknown volume of black liquor was released at the Gaylord Container Corporation site adjacent to Tanks 5 and 6 at the Plant. Because the contaminants of concern for black liquor have not been identified and the volume of the release is unknown, the potential exists for soils and/or groundwater to have been impacted.

Section 7.0
Signatures of
Environmental Professionals

Charlie O'Neill

Mr. Charlie O'Neill, RG, Field Team Leader

10-6-97

Date

Slade Dingman

Mr. Slade Dingman, Technical Reviewer

10-6-97

Date

Ben Swann

Mr. Ben Swann, RG, Project Manager

10-6-97

Date

Section 8.0 Qualification of Environmental Professionals

CDM is a firm that specializes in the field of environmental services. Established in 1947, CDM has over 2,000 professionals in over 80 offices throughout the world. CDM has been conducting Phase I Environmental Assessments since 1980. All of the personnel who conducted the Contra Costa Power Plant Facility Phase I Environmental Site Assessment are degreed professionals.

Roger A. Johnson, B.S.—Mr. Johnson is a CDM vice president with over 14 years of experience in hazardous materials/hazardous waste investigation, environmental engineering and environmental regulatory compliance, construction and construction management. He has managed and participated in a variety of large-scale audits and investigations for both private and public facilities. Mr. Johnson manages CDM's environmental management group in California.

Ben Swann, B.S., RG, CHG—Mr. Swann is a hydrogeologist specializing in regulatory compliance and environmental assessment of industrial and waste disposal facilities. His area of expertise has been developed over the past ten years as a regulator with the Regional Water Quality Control Board (RWQCB) and as a consultant. Since 1986, he has served as the project manager for industrial and municipal facility projects involving facility closure, environmental liabilities, compliance audits, waste minimization and hazardous waste assessment and disposal. Specific project work has included Phase I and II assessments, remedial investigations and Waste Discharge Requirement (WDR) permitting.

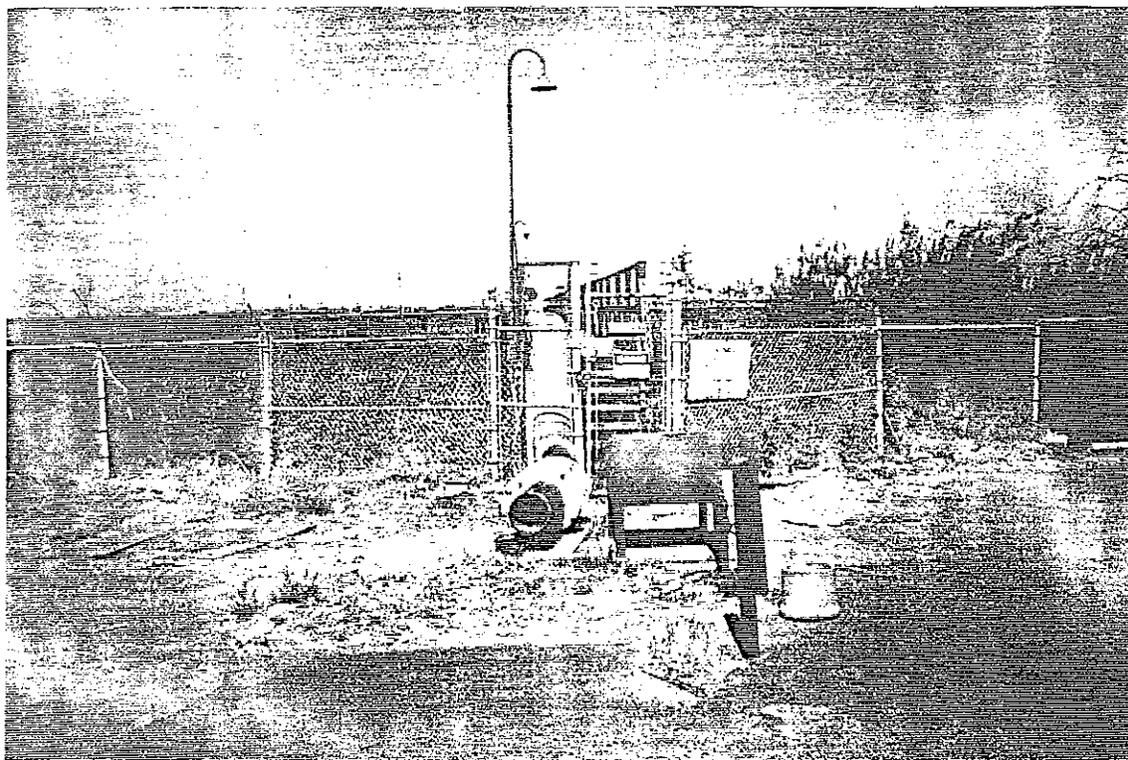
Slade Dingman, M.S.—Mr. Dingman has over 15 years of experience directing and conducting environmental studies and assessments related to commercial real estate transactions, contaminant waste investigations, mine permitting, and water resource development. Mr. Dingman has conducted and managed over 100 Phase I and II Environmental Site Assessments (ESAs) and industrial compliance audits. Properties and facilities evaluated have included airports and associated tenant operations, manufacturing plants, electrical generator stations, mine/mill complexes, chemical storage and distribution plants, shopping centers, and numerous residential and commercial properties.

David M. Snyder, B.S., PE—Mr. Snyder has over 19 years of experience in the environmental industry, including: site selection studies for energy facilities; environmental, safety and health regulatory compliance audits for operating facilities; and investigations and remedial actions relative to contaminated properties. Mr. Snyder has either performed or provided technical review for dozens of investigations ranging from small commercial properties to Superfund sites. In 1989, Mr. Snyder developed one of the first computerized database systems for agency records research used in Phase I site assessments.

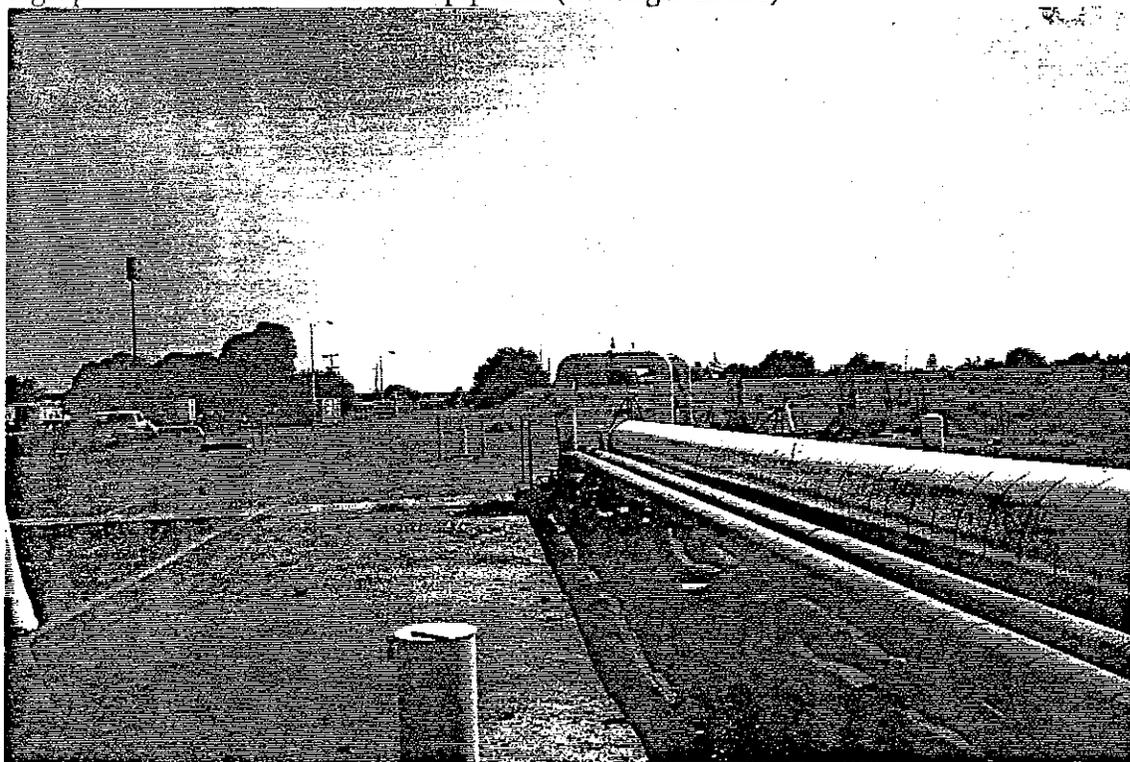
Charles O'Neill, MBA, RG — Mr. O'Neill has over 9 years of experience in the environmental and geotechnical industry. He has managed and participated in a variety of projects for private, state, and federal clients in California. Relevant experience includes the conduct of environmental assessments, remedial investigations, and remedial design and construction projects.

Appendix A
Site Reconnaissance and Aerial Photographs

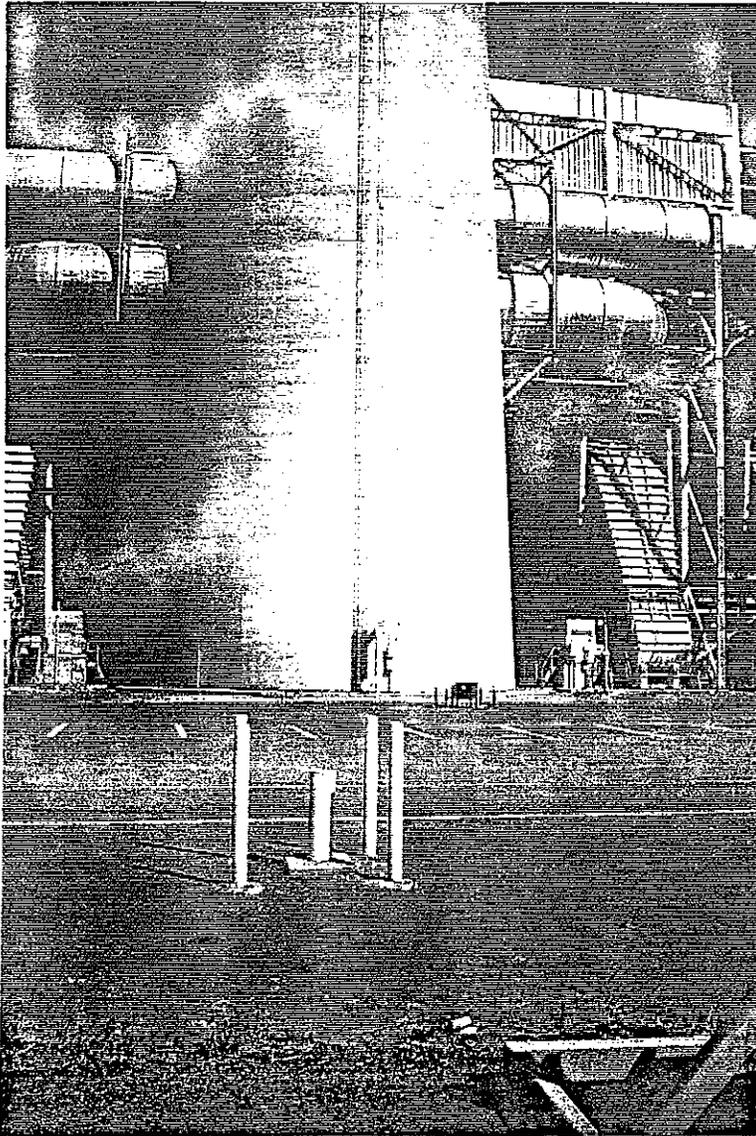
Appendix A1
Site Reconnaissance Photographs



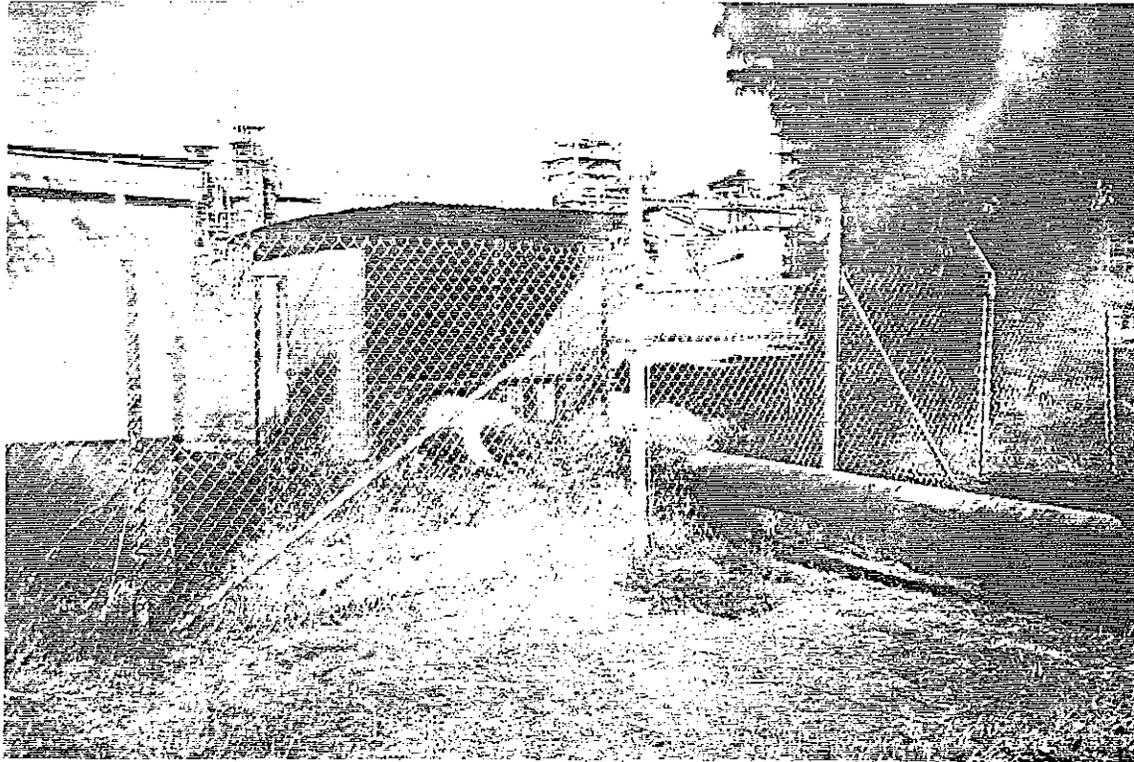
Photograph 1: Marine terminal pipeline (no longer in use).



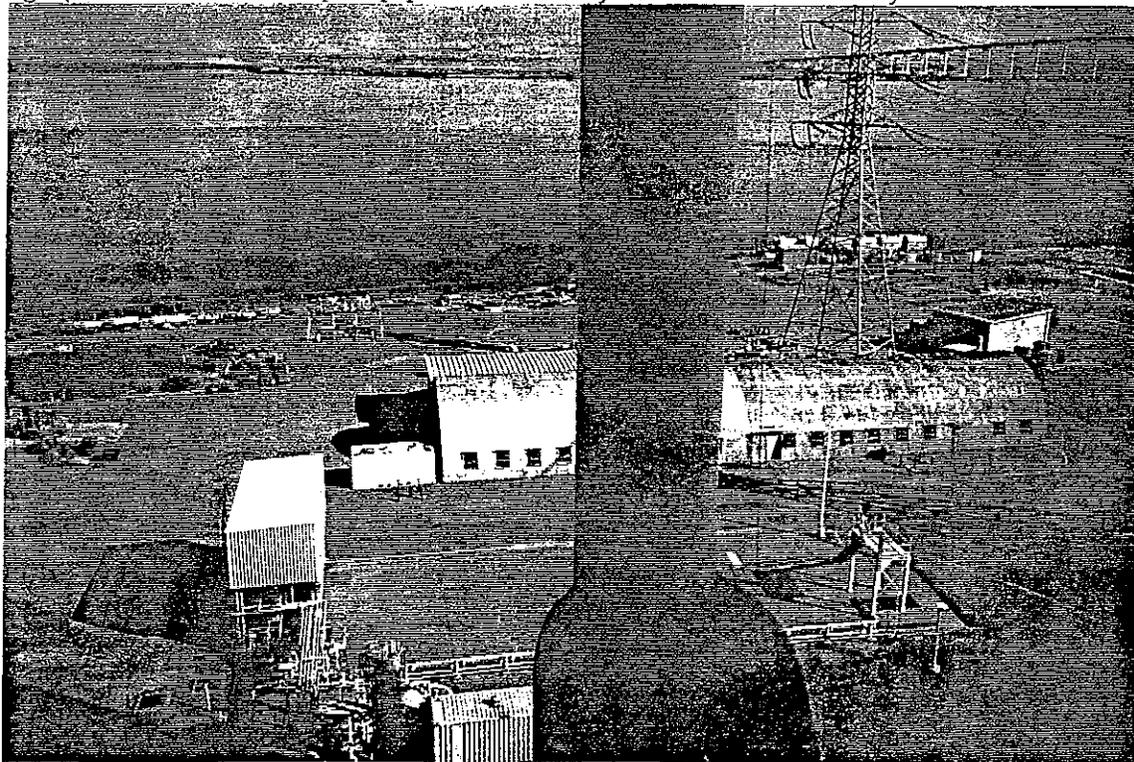
Photograph 2: Groundwater monitoring well 5 (in foreground), looking east.



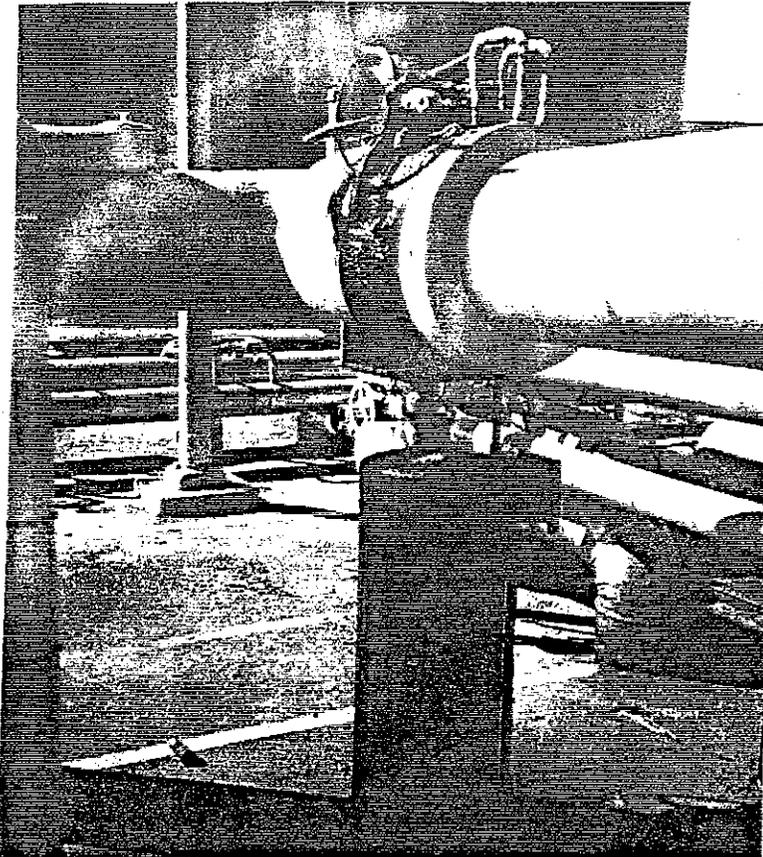
Photograph 3: Groundwater monitoring well 2, looking north.



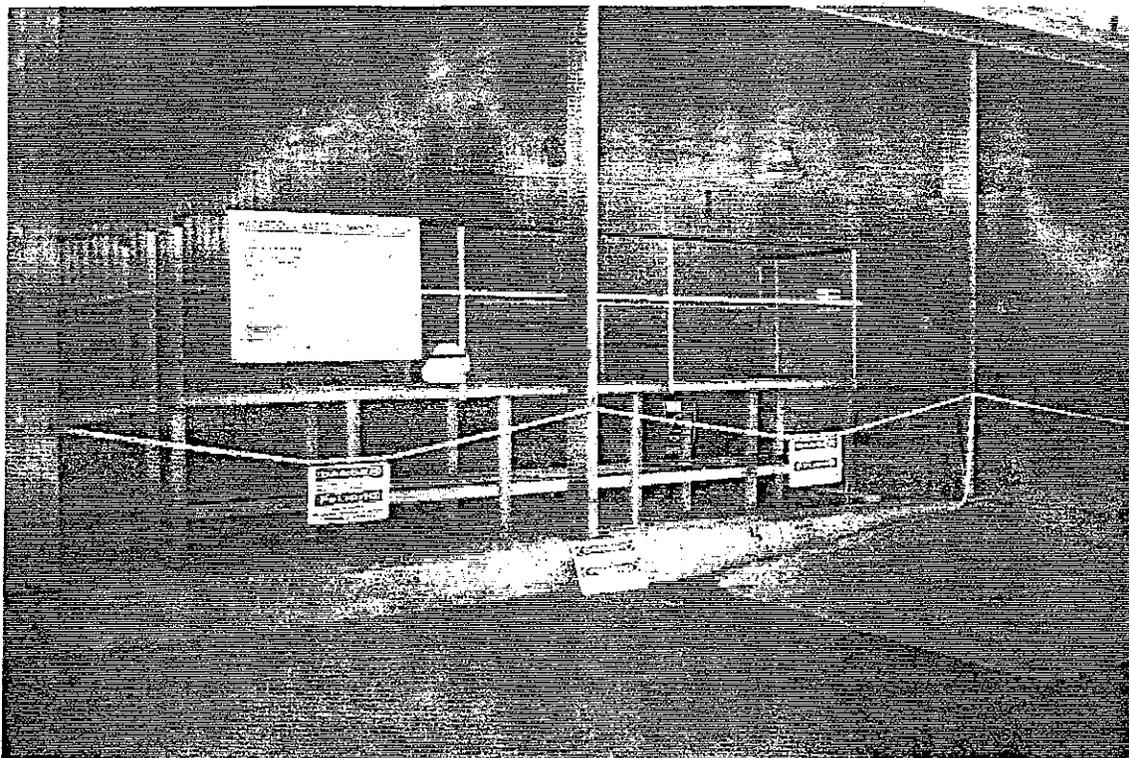
Photograph 4: Black liquor pipeline from Gaylord Container Facility.



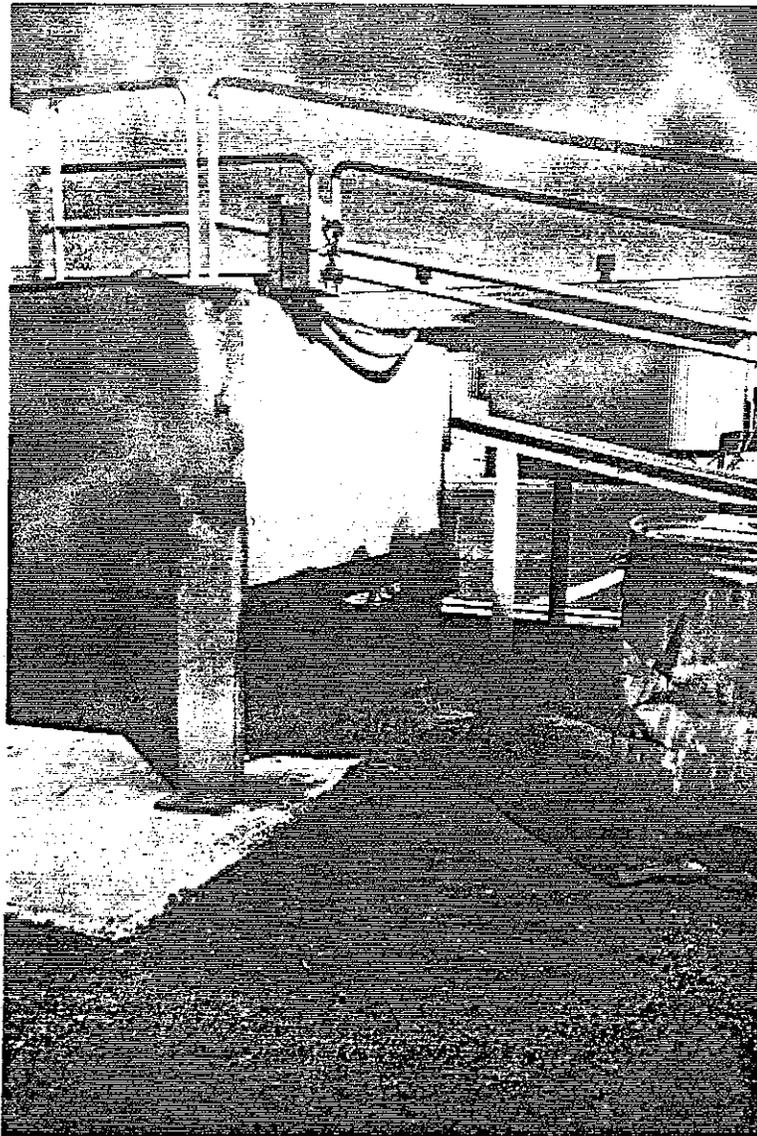
Photograph 5: Overview of boiler wastewater management system area.



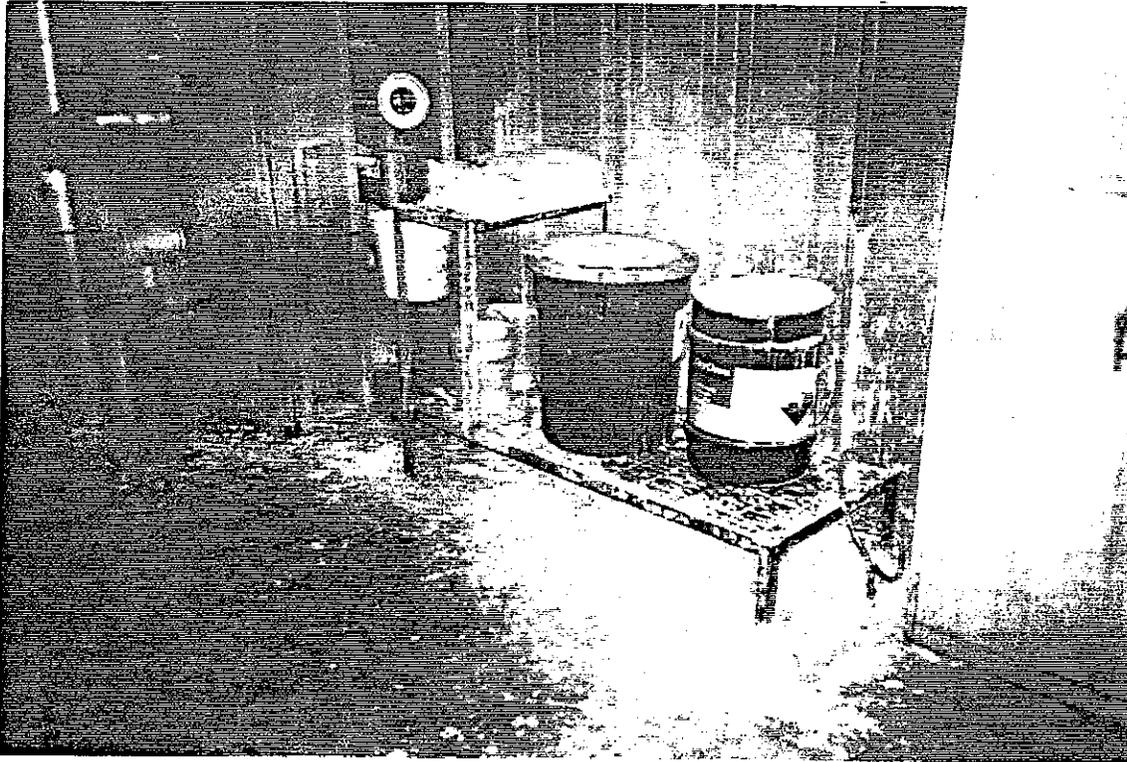
Photograph 6: Leaking valve in fuel pipeline manifold area (displacement oil tank in background).



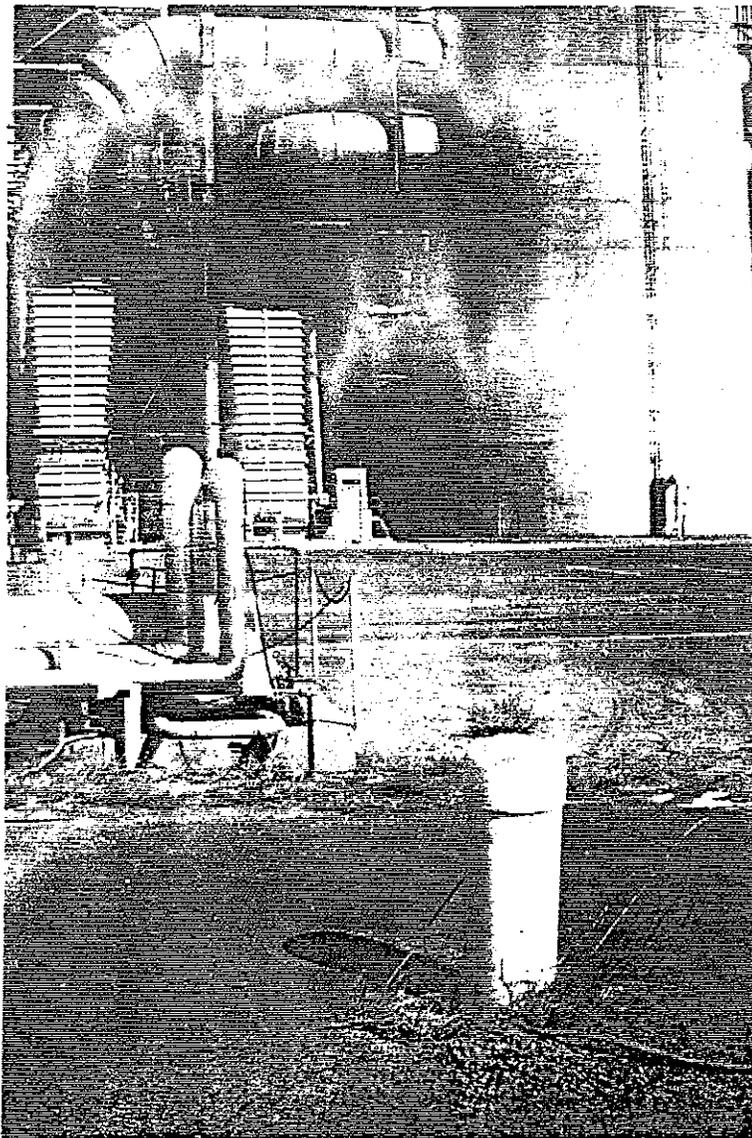
Photograph 7: Main hazardous waste accumulation area.



Photograph 8: Oil-stained soil beneath compactor.



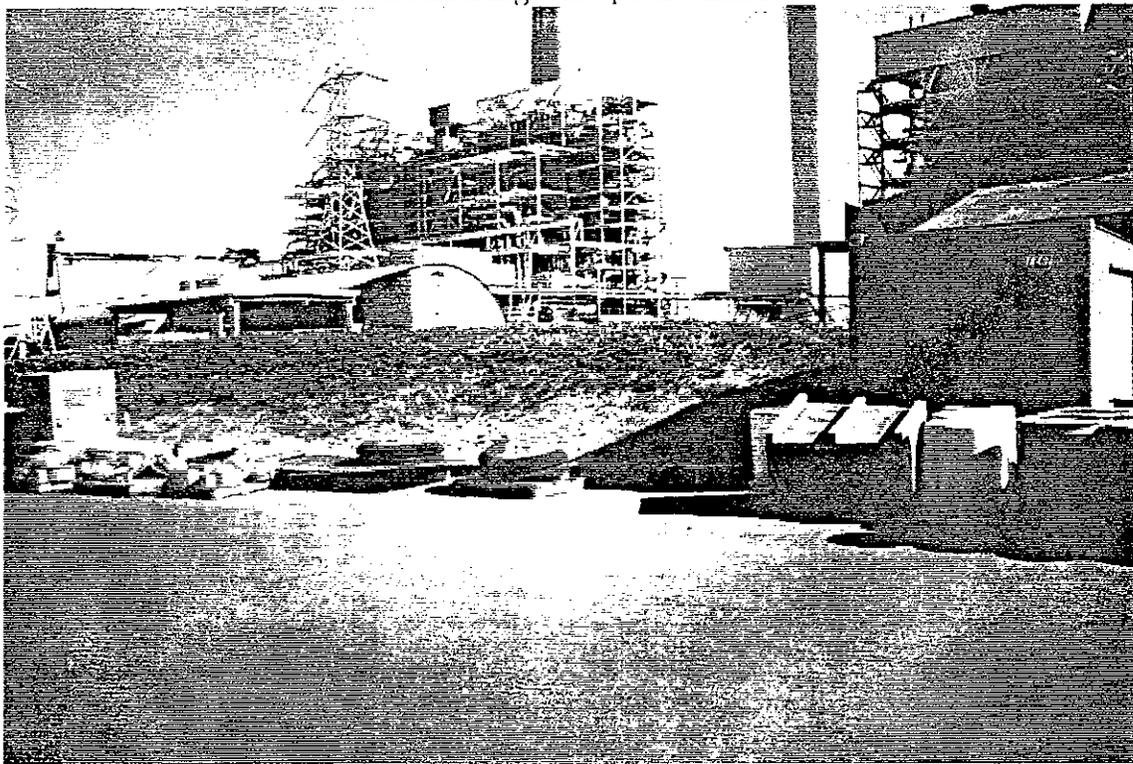
Photograph 9: Storage area for caustic and trisodium phosphate in Units 6 and 7 building.



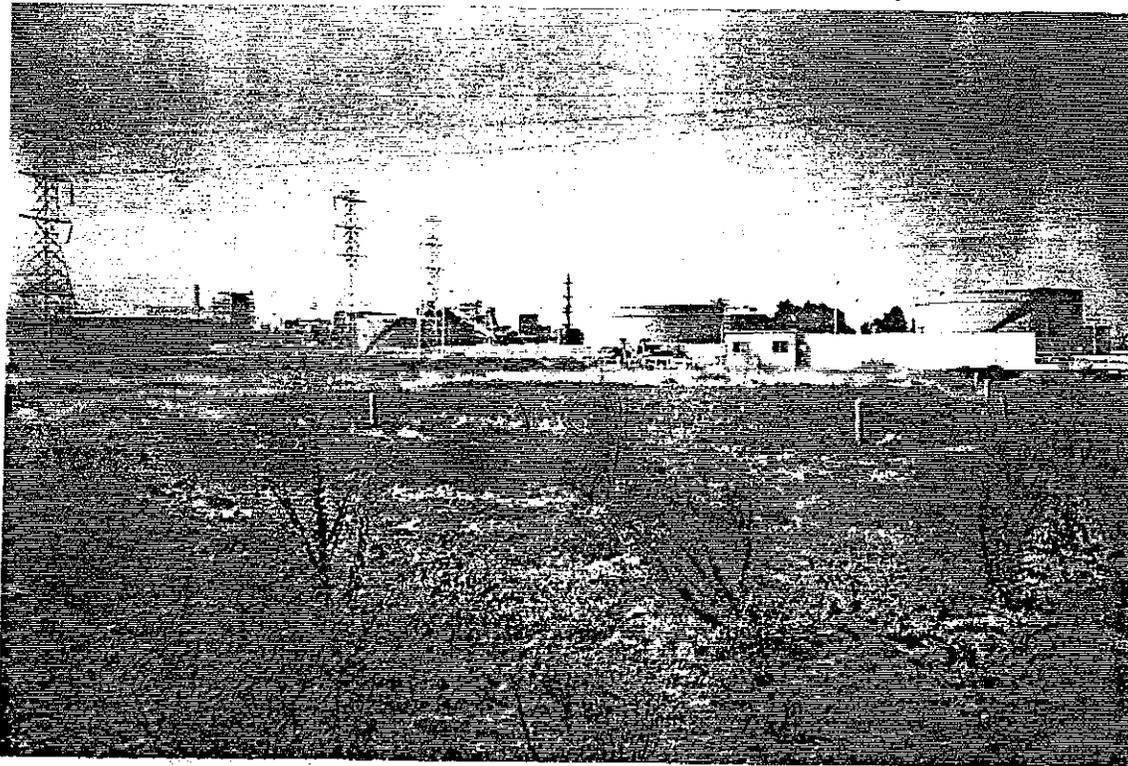
Photograph 10: One of four groundwater extraction wells adjacent to the former boiler chemical cleaning pond.



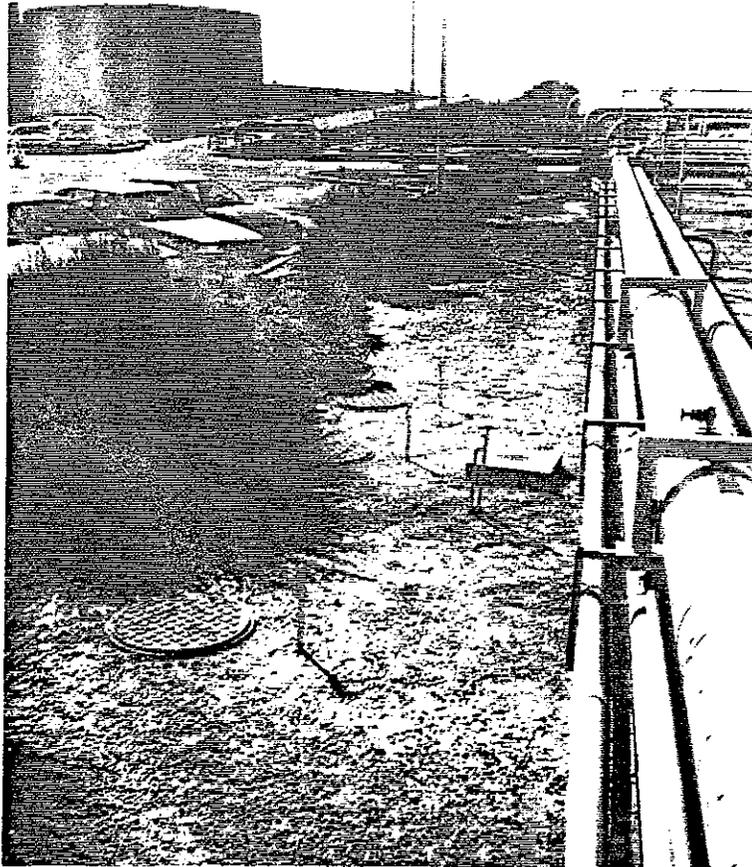
Photograph 11: View from Units 6 and 7, looking southeast; raw water sludge storage area in background; former air preheater/fireside wash pond and former location of boiler chemical cleaning wash pond visible.



Photograph 12: Leach mound north of Units 4 and 5, looking southeast.



Photograph 13: Leach mound south of main Plant buildings, looking west-southwest.



Photograph 14: Leach field north of parking lot outside Plant office.

Appendix A2
Aerial Photographs

8-92

1:12000

AV 4230

133

Contra Costa
Power Plant

Date: 5/8/92



Scale: 1: 12,000 (Approx.)

Contra Costa
Power Plant



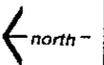
Date: 3/17/88

north

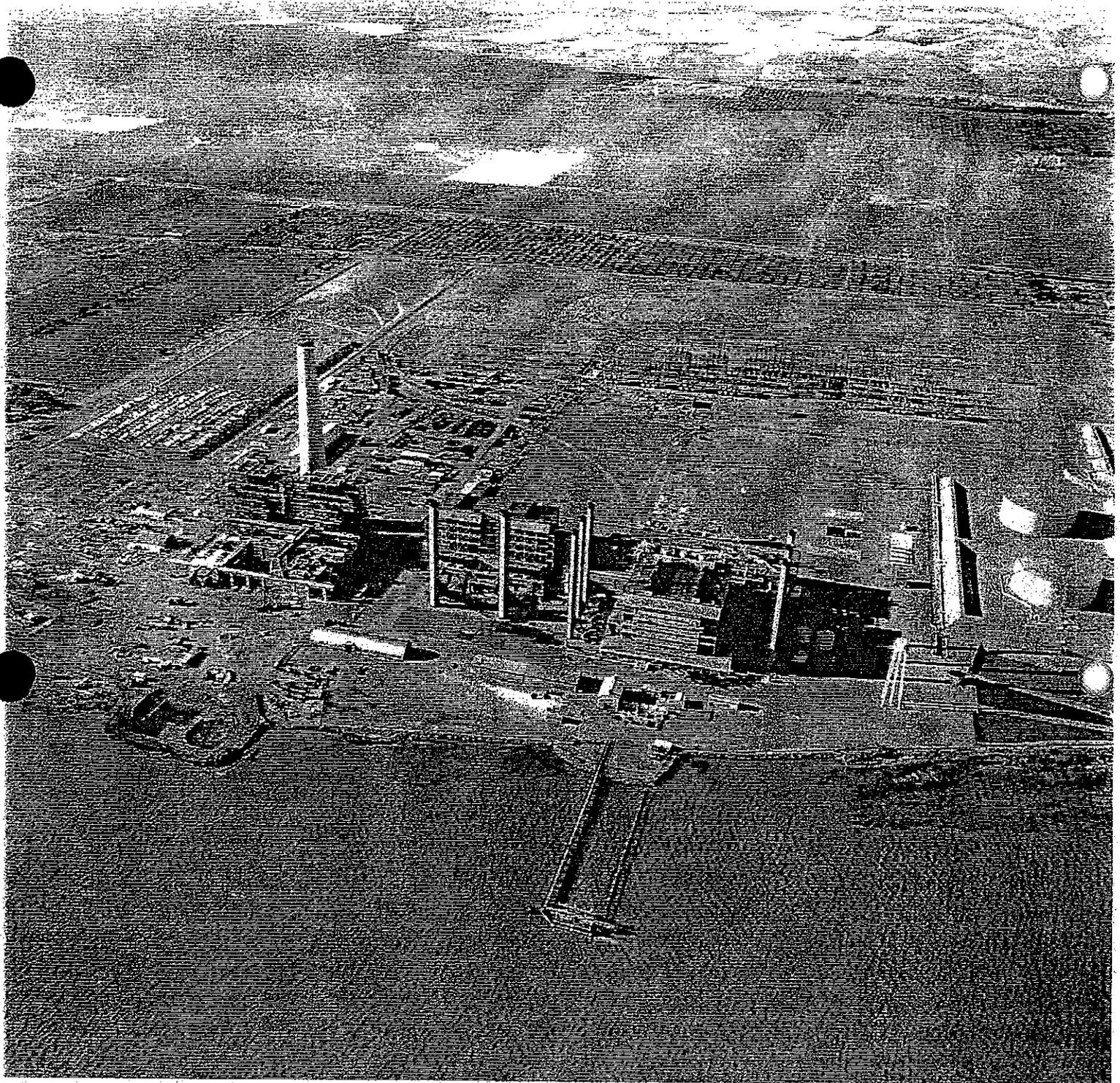
Contra Costa
Power Plant



Date: 3/17/88



Contra Costa
Power Plant

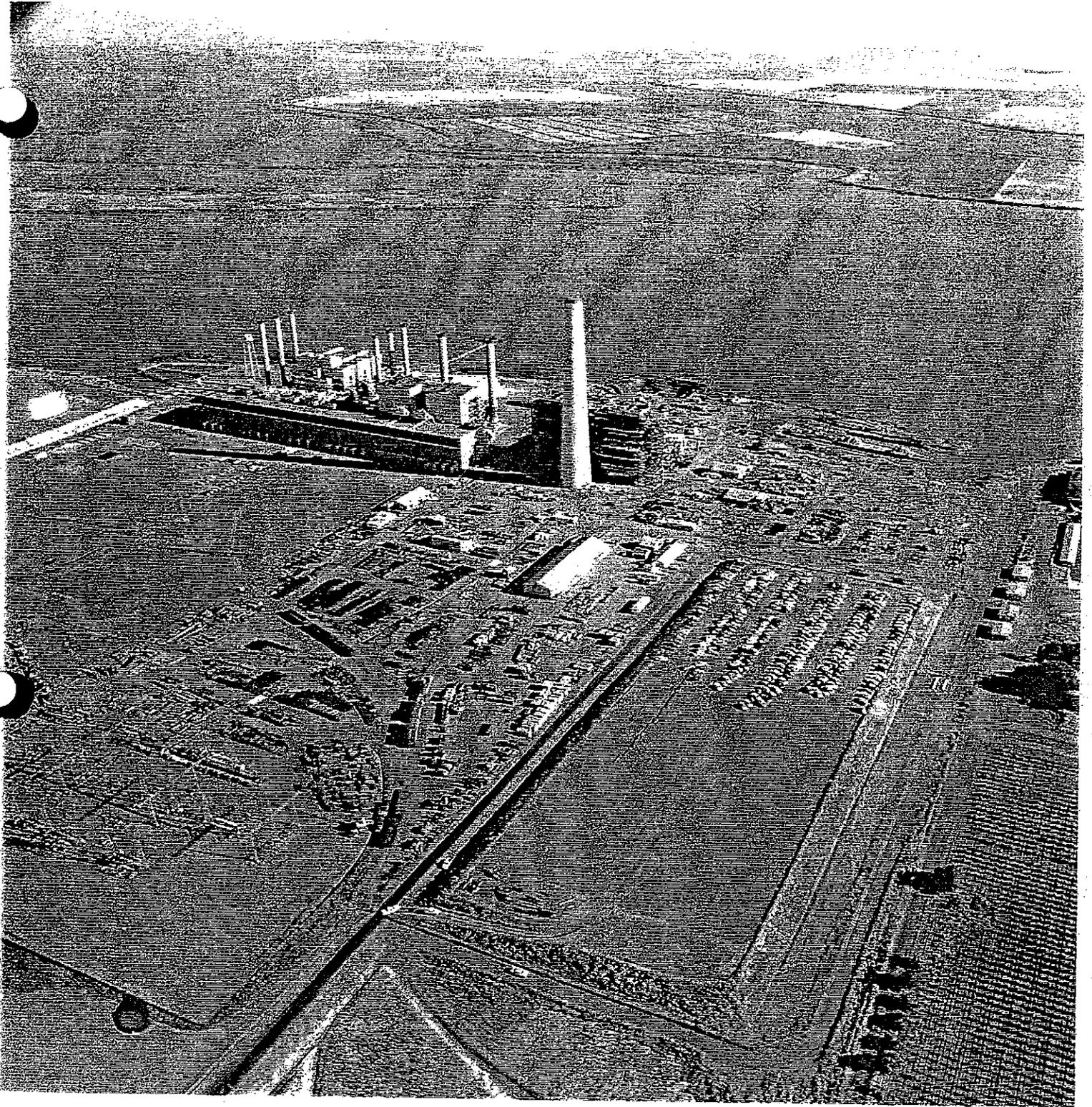


Date: 6/63

north



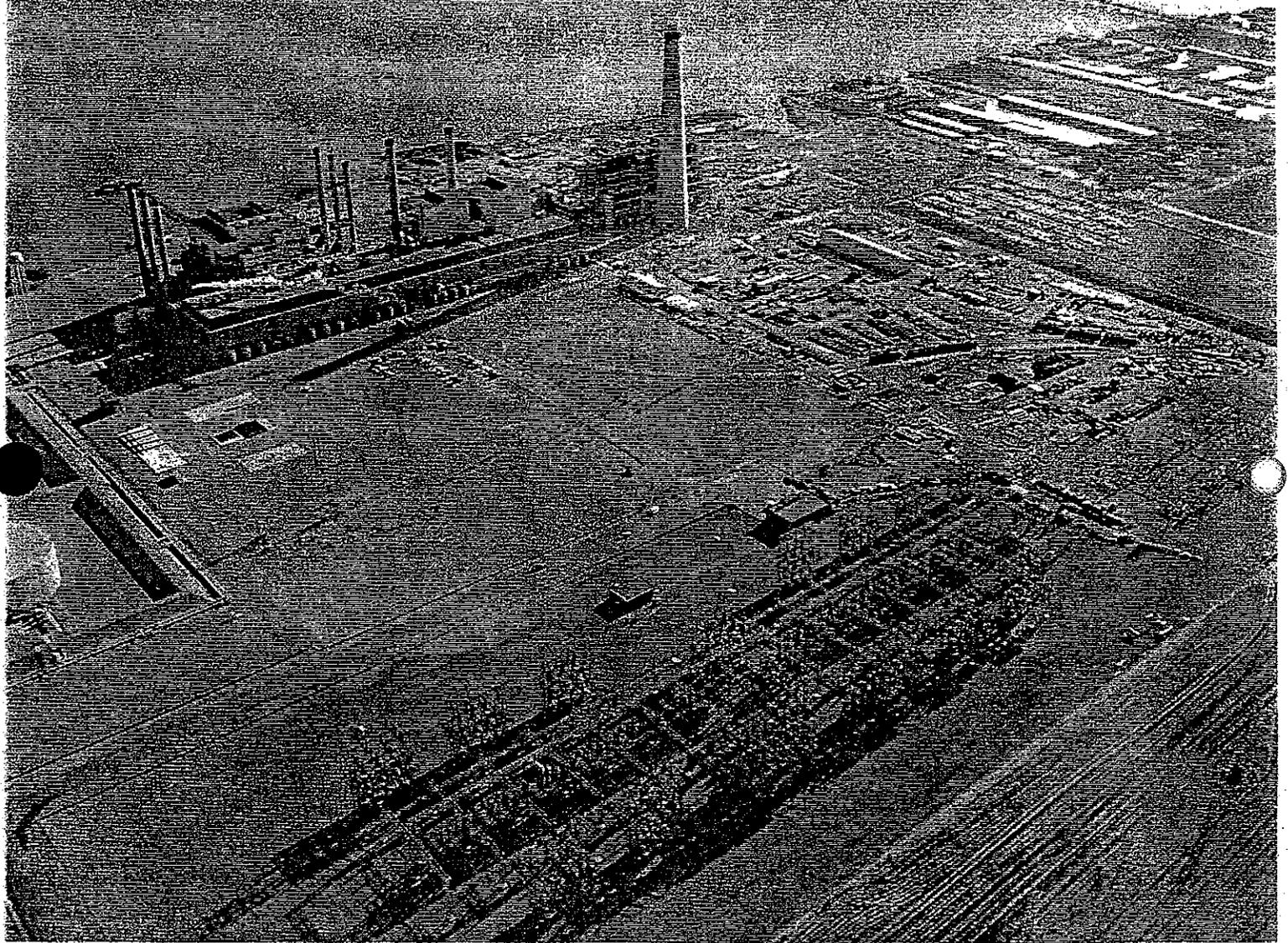
Contra Costa
Power Plant



Date: 6/63



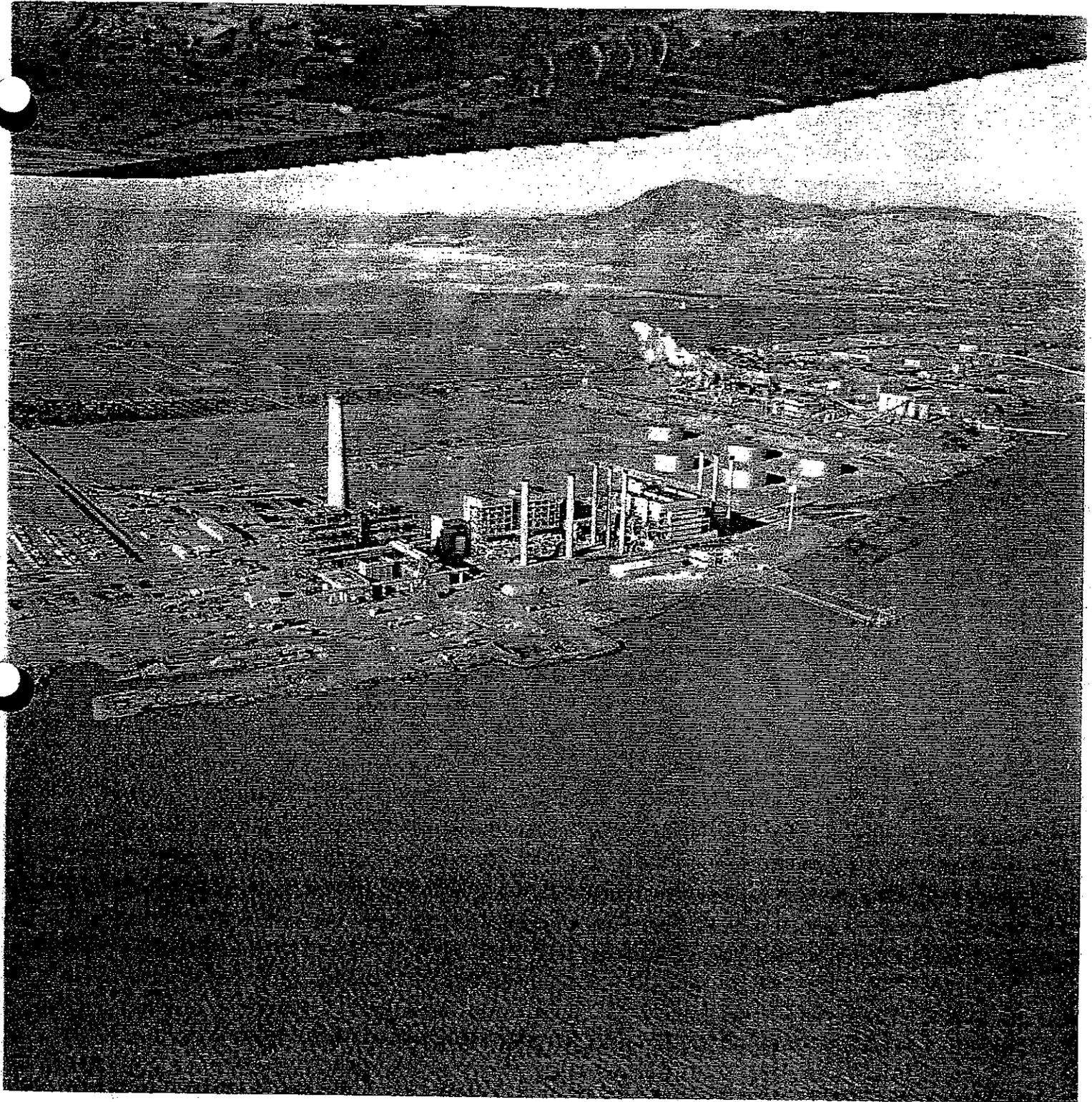
Contra Costa
Power Plant



Date: 6/63



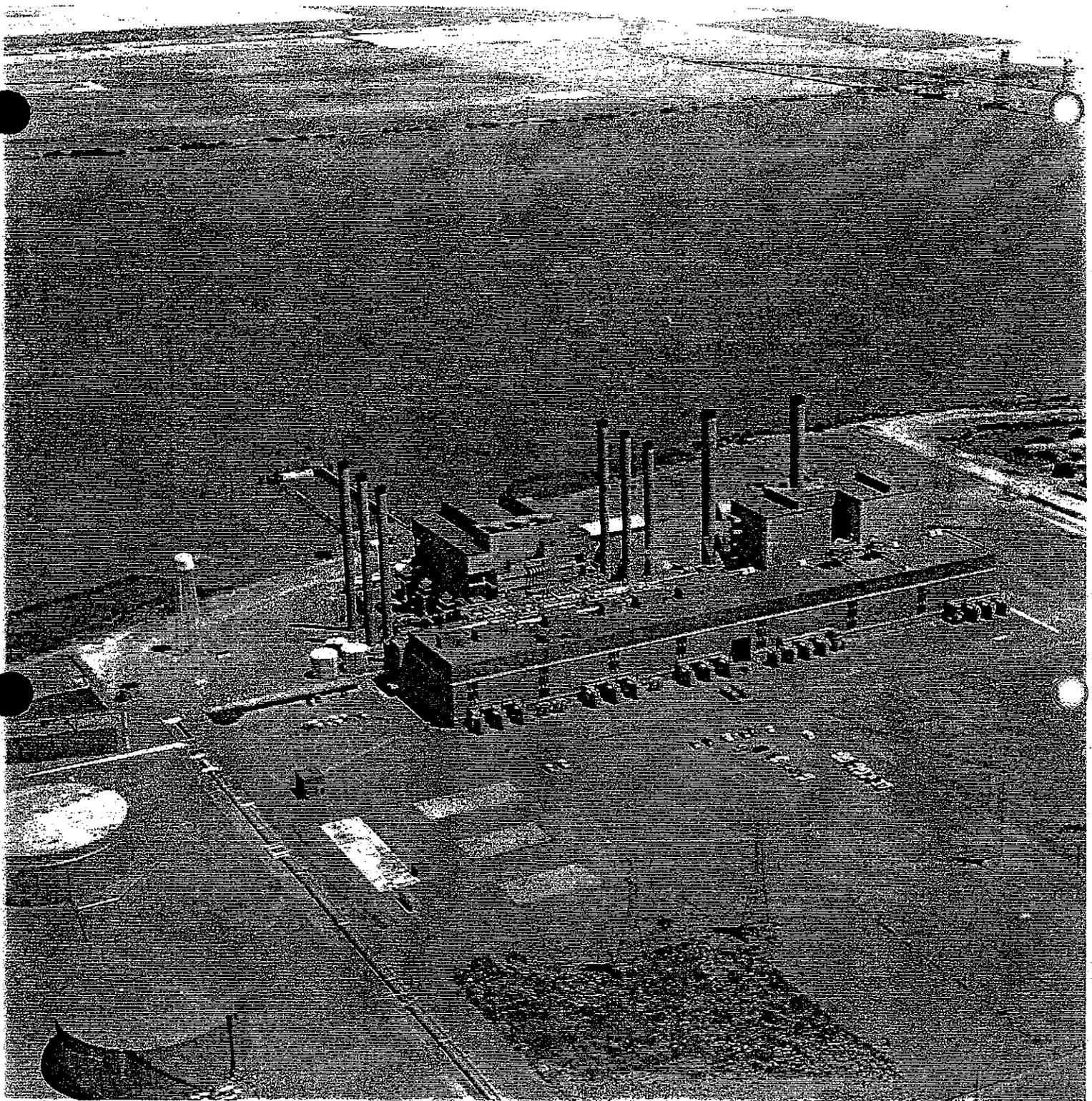
Contra Costa
Power Plant



Date: 6/12/63



Contra Costa
Power Plant



Date: 6/61



Contra Costa
Power Plant

Appendix B
List of Information Reviewed

Appendix B List of Information Reviewed

PG&E Supplied Documents

Document	Bates Numbers	Page(s)
A.T. Kearney, 1986. <i>RCRA Facility Assessment of Solid Waste Management Units at Pacific Gas and Electric Company Contra Costa Power Plant, Antioch, California.</i> A.T. Kearney. September 24, 1986.	CDM 011093 - 011155	5-12, 5-13, 6-3
CCHSD, 1986. <i>Permit to Operate Underground Storage Tank.</i> Contra Costa County Environmental Health Department. September 1, 1986.	CON 104936	5-20
DHS, 1989. <i>Hazardous Waste Facility Permit.</i> State of California - Health and Welfare Agency, Department of Health Services. June 30, 1989.	CON 006596 - 006648	5-8
DHS, 1988. Letter regarding <i>Formal Acceptance of Closure Certifications.</i> State of California - Health and Welfare Agency, Department of Health Services. September 20, 1988.	CON 101552 - 101554	5-13, 5-14
DTSC, 1995. Letter to PG&E from Lester Kaufman, regarding <i>Closure Certification Acceptance for Pacific Gas and Electric Company Contra Costa Power Plant, Antioch, California.</i> EPA ID No. CAT 080 011 489. Department of Toxic Substances Control. June 2, 1995.	CON 017787	5-15
E&E, 1996. <i>Emergency Oil Spill Response Plan for Delta Power Plants</i> , prepared for PG&E, (revision 5). Ecology & Environment, Inc. March 29, 1996.	CON 001538 - 002042	5-2, 5-9
EPA, 1991. Letter from M. Pesaresi to J. W. Busterud regarding <i>PG&E Contra Costa Power Plant, Docket No. RCRA-09-89-0015.</i> Environmental Protection Agency. September 5, 1991.	CDM 011682 - 011683	5-14
HUD, 1977. <i>Federal Insurance Administration, Contra Costa County Flood Hazard Boundary Map N-01-60.</i> U. S. Department of Housing and Urban Development. September 6, 1977.	CON 003040 - 003041	3-8
Mittelhauser, 1988. <i>Contra Costa Power Plant Surface Impoundments Closure.</i> Mittelhauser Corporation. January 1988.	CON 003554 - 003841	4-1, 5-14
Mittelhauser, 1987. <i>Hydrogeologic Assessment Report Contra Costa Power Plant.</i> Mittelhauser Corporation. June 1987.	CON 007431-007537	3-7, 6-1

Document	Bates Numbers	Page(s)
Mittelhauser, 1985. <i>Pacific Gas and Electric Company Contra Costa Power Plant, Closure Plan, Hazardous Waste Storage Ponds.</i> October 10, 1985	CON 103824 - 103910	3-3, 5-11, 5-13, 5-14, 6-2
PG&E, 1997. <i>Sampling and Characterization Report for Soil Piles at Delta Power Plants.</i> Pacific Gas and Electric Company. June 1997.	CDM 012129-012172	5-17, 6-3
PG&E, 1996a. <i>PG&E Contra Costa Power Plant AB2185/SARA Title III Business Plan.</i> Pacific Gas and Electric Company. January 30, 1996.	CON 004382 - 004478	5-2, 5-6
PG&E, 1996b. <i>Letter regarding Historical Waste Disposal Practices.</i> Pacific Gas and Electric Company. November 15, 1996.	CDM 013115-013126	5-10, 6-2, 6-3
PG&E, 1996c. <i>Oily Water Separator Closure/Final Confirmation Sampling, PG&E Contra Costa Power Plant EPA I.D No. CAT080011489.</i> Pacific Gas and Electric Company. January 26, 1996.	CON 017654 - 017678	5-15
PG&E, 1996d. <i>Oil-Filled Electrical Equipment Survey for PCB Management, Contra Costa Power Plant.</i> Pacific Gas and Electric Company. July 1996.	CON 001183 - 001431	5-18, 5-19
PG&E, 1996e. <i>Storm Water Pollution Prevention Plan, National Pollutant Discharge Elimination System, Pacific Gas and Electric Company, Contra Costa Site.</i> Pacific Gas and Electric Company. June 1, 1996.	CON 001432 - 001458	5-19
PG&E, 1996f. <i>PG&E Delta Power Plants Asbestos Operations and Maintenance Program - 1996.</i> Pacific Gas and Electric Company. 1996.	CON 012032 - 012035	5-25
PG&E, 1995. <i>Source Reduction Evaluation Review and Plan - 1994 Summary, Hazardous Waste Source Reduction and Management Review Act of 1989, Senate Bill 14: Pacific Gas and Electric Company Contra Costa Plant.</i> Pacific Gas and Electric Company. September 1, 1995.	CON 103260 - 103291	5-6, 5-7
PG&E, 1994a. <i>Spill Prevention, Control and Countermeasures Plan.</i> Pacific Gas and Electric Company. September 13, 1994.	CON 001459 - 001532	5-2, 5-3, 5-5, 5-25
PG&E, 1994b. <i>Memorandum To File, Contra Costa Power Plant, Waste Minimization Program - 1994.</i> Pacific Gas and Electric Company. March 3, 1994.	CON 006769 - 006771	5-6
PG&E, 1993. <i>PG&E Contra Costa Power Plant, Incident Follow-Up Notification.</i> Pacific Gas and Electric Company. January 29, 1993.	CON 004885 - 004890	5-9
PG&E, 1992. <i>Untitled PCB Test Results.</i> Pacific Gas and Electric Company. October 20, 1992.	CDM 011735 - 011736	5-18

Document	Bates Numbers	Page(s)
PG&E, 1991a. <i>PG&E's Contra Costa Power Plant, Fourth Quarter, 1990 Groundwater Monitoring Report</i> . Pacific Gas and Electric Company. March 18, 1991.	CON 016354 - 016454	3-8
PG&E, 1991b. <i>PG&E Contra Costa Power Plant, Incident Follow-Up Report</i> . Pacific Gas and Electric Company. October 16, 1991.	CON 006361 - 006362	5-9
PG&E, 1991c. <i>PG&E's Contra Costa Power Plant, Final Quarter Report, Groundwater Monitoring, EPA Docket No. RCRA-09-89-0015</i> . Pacific Gas and Electric Company. June 27, 1991.	CDM 01627 - 011651	5-14
PG&E, 1990. Letter from T.E Grewis to State Board of Equalization regarding <i>Underground Storage Tank at Contra Costa Power Plant</i> . Pacific Gas and Electric Company. February 15, 1990.	CDM 011596 - 011599	5-20
PG&E, 1986a. <i>Hazardous Waste Part B Permit Application for Oily Water Separator and Boiler Wastewater System at the Contra Costa Power Plant</i> . Pacific Gas and Electric Company. May 1986.	CON 002957 - 002995 CON 003031 - 003037	3-7
PG&E, 1986b. <i>Application for Preliminary Permit for Underground Storage Tanks</i> . Pacific Gas and Electric Company. February 27, 1986.	PTS 004859 - 004866	5-20
RWQCB, 1996. Letter to PG&E from Kenneth Landau, regarding <i>No Further Action Required at Oily Water Separator Site at the Contra Costa Power Plant, Contra Costa County</i> . Regional Water Quality Control Board, Central Valley Region. April 22, 1996.	CON 018312	4-1, 5-13, 5-15, 5-16
RWQCB, 1995. <i>Notice of Adoption of Renewed Waste Discharge Requirements for Pacific Gas and Electric Company Contra Costa Power Plant, Contra Costa County</i> . Regional Water Quality Control Board, Central Valley Region. November 1, 1995.	CON 000006 - 000047	3-1, 3-4
RWQCB, 1988. <i>Surface Impoundments Closure Certification Report, Pacific Gas and Electric Company, Contra Costa Power Plant, Contra Costa County</i> . Regional Water Quality Control Board, Central Valley Region. August 3, 1988.	CON 101539	4-1, 5-13, 5-14
RWQCB, 1980. Letter to PG&E from Greg M. Walker, regarding <i>Pacific Gas and Electric Company, Sludge Disposal Site, Antioch, Contra Costa County</i> . Regional Water Quality Control Board, Central Valley Region. August 19, 1980.	CON 015054	5-18
RWQCB, 1979. <i>Transmittal of Adopted Waste Discharge Requirements</i> . Regional Water Quality Control Board, Central Valley Region. September 17, 1979.	CON 014970 - 014978	5-18
TEE, 1994. <i>Clean Closure Certification Report for the Oily Water Separator Tank at PG&E's Contra Costa Power Plant, Antioch, California</i> . Trident Environmental and Engineering. December 16, 1994.	CON 018315 - 018404	4-1, 5-15

Document	Bates Numbers	Page(s)
TPE, 1991. Letter to Roger Lewis, regarding <i>Analytical Report, Lloyd's Holiday Harbor, Route 1, Box 553, Antioch, CA 94509.</i> Tank Protect Engineering. October 28, 1991.	CDM 100862 - 100866	5-21
USCG, 1984. Letter to PG&E from R. W. Brach. United States Coast Guard. October 10, 1984.	CON 011742	3-1
WCC, 1993. <i>Evaluation of the Potential of Aboveground Petroleum Storage Tanks at the PG&E Contra Costa Power Plant to Impact the Beneficial Uses of Groundwater.</i> Woodward-Clyde Consultants. March 2, 1993.	CON 101973 - 101995	3-7, 5-2

Published Literature

- ASTM, 1994. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Standard Practice Designation E1527 - 94. American Society for Testing and Materials. Edition approved April 15, 1994.
- U.S. Department of Commerce, 1995. Climatological Data, Annual Summary, California. National Oceanic and Atmospheric Administration, Volume 99 Number 13.

Topographic and Geologic Maps

- USGS, 1978a. *Antioch North Quadrangle, California, 7.5 Minute Series (Topographic)*, U. S. Department of the Interior, Geological Survey, 1978.
- USGS, 1978b. *Jersey Island Quadrangle, California, 7.5 Minute Series (Topographic)*, U. S. Department of the Interior, Geological Survey, 1978.

Aerial Photographs

- PAS, 1992. Aerial Photograph # AV4230-0133-2. Pacific Aerial Surveys. May 8, 1992.
- PAS, 1990. Aerial Photograph # AV3845-31-3. Pacific Aerial Surveys. July 23, 1990.
- PAS, 1988. Aerial Photograph # AV3368-30-3. Pacific Aerial Surveys. August 18, 1988.
- PAS, 1986. Aerial Photograph # AV2861-3-4. Pacific Aerial Surveys. April 19, 1986.
- PAS, 1984. Aerial Photograph # AV-2480-03-06. Pacific Aerial Surveys. May 17, 1984.
- PAS, 1980. Aerial Photograph # AV1875-03-05. Pacific Aerial Surveys. May 15, 1980.
- PAS, 1978. Aerial Photograph # AV-1515-03-06. Pacific Aerial Surveys. June 6, 1978.
- PAS, 1976. Aerial Photograph # AV 1251-03-04. Pacific Aerial Surveys. May 27, 1976.

- PAS, 1974. Aerial Photograph # AV11-2-03-04. Pacific Aerial Surveys. March 4, 1974.
- PAS, 1971. Aerial Photograph # AV-996-05-05. Pacific Aerial Surveys. June 4, 1971.
- PAS, 1969. Aerial Photograph # AV-905-05-04. Pacific Aerial Surveys. May 20, 1969.
- PAS, 1966. Aerial Photograph # AV-710-18-20. Pacific Aerial Surveys. April 25, 1966.
- PAS, 1959. Aerial Photograph # AV334-04-03. Pacific Aerial Surveys. June 22, 1959.
- PAS, 1957. Aerial Photograph # AV25331-002. Pacific Aerial Surveys. May 15, 1957.
- PAS, 1953. Aerial Photograph # AV934-8. Pacific Aerial Surveys. May 20, 1953.

Appendix C
VISTA Database Report

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: 9283-110-R7 PACIFIC GAS ELECTRIC CONTRA COSTA POWE 3201 WILBUR AVE ANTIOCH, CA 94509 Cross Street: SAN JOAQUIN HARBOR RD Latitude/Longitude: (38.016179, 121.761563)	CHARLIE O'NEILL CAMP DRESSER MCKEE-WALNUT CRK 100 PRINGLE AVE STE 300 WALNUT CREEK, CA 94596

Site Distribution Summary	<i>within 3/8 mile</i>	<i>3/8 to 1/2 mile</i>	<i>1/2 to 3/4 mile</i>	<i>3/4 to 1 1/4 miles</i>
Agency / Database - Type of Records				
A) Databases searched to 1 1/4 miles:				
US EPA NPL National Priority List	0	0	0	0
US EPA CORRACTS RCRA Corrective Actions	0	0	1	1
US EPA TSD RCRA permitted treatment, storage, disposal facilities	0	0	1	1
STATE SPL State equivalent priority list	0	0	0	0
B) Databases searched to 3/4 mile:				
US EPA CERCLIS Sites under review by US EPA	0	0	2	-
STATE SCL State equivalent CERCLIS list	0	0	1	-
STATE REG LUST Leaking Underground Storage Tanks CO	0	1	3	-
STATE/REG/CO SWLF Permitted as solid waste landfills, incinerators, or transfer stations	0	0	1	-
STATE DEED RSTR Sites with deed restrictions	0	0	0	-
REGIONAL NORTH BAY Sites on North Bay Toxic List	0	0	0	-
REGIONAL SOUTH BAY Sites on South Bay Toxic List	0	0	0	-
STATE CORTESE State index of properties with hazardous waste	0	0	3	-
STATE TOXIC PITS Toxic Pits cleanup facilities	0	0	0	-
C) Databases searched to 1/2 mile:				
US EPA RCRA Viol RCRA violations/enforcement actions	0	0	-	-
US EPA TRIS Toxic Release Inventory database	0	0	-	-
STATE UST/AST Registered underground or aboveground storage tanks	2	0	-	-



For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 112858-001

Date of Report: August 23, 1996

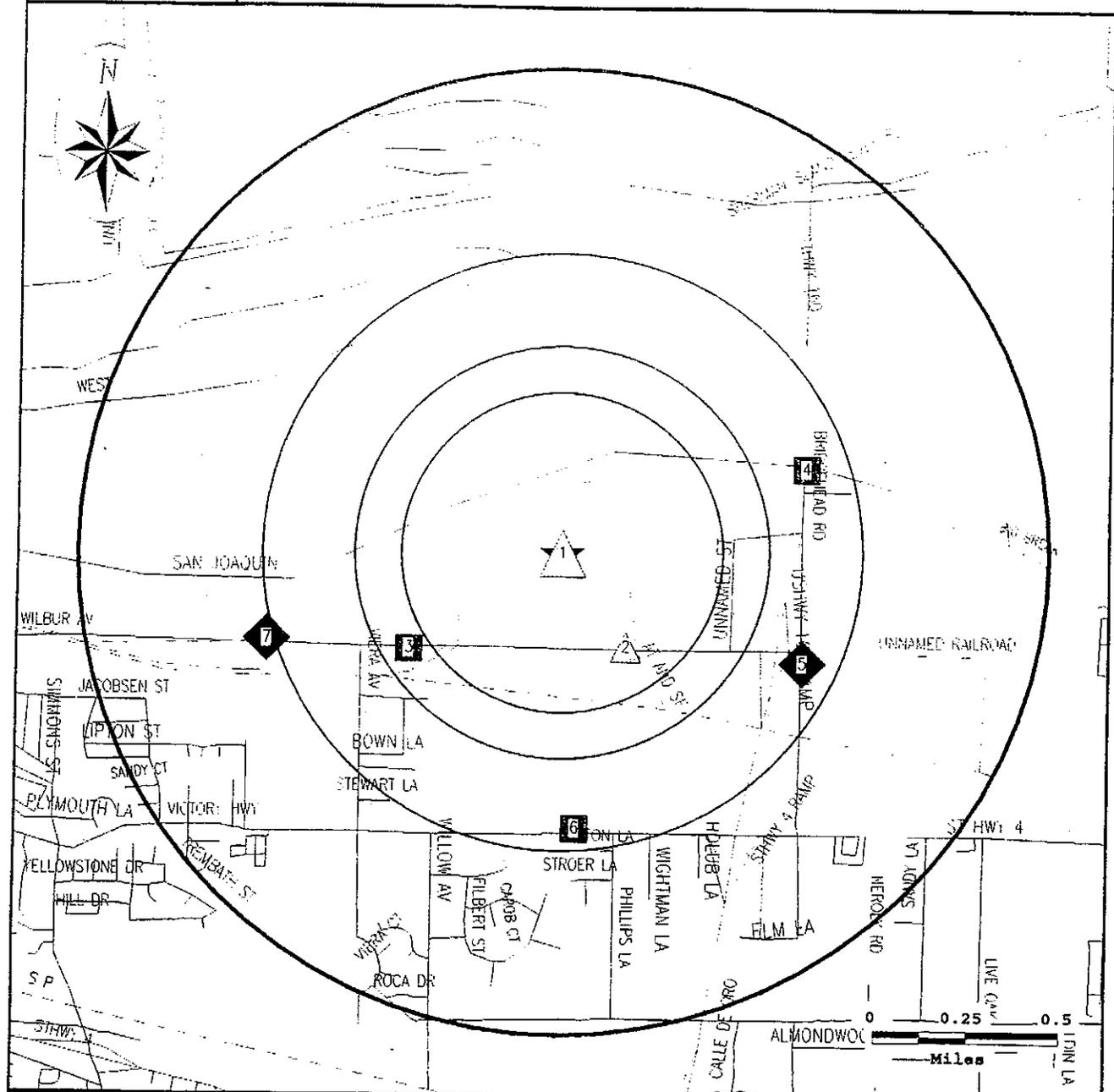
Version 2.4.1

Page #1



SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

Map of Sites within One and One-Quarter Miles



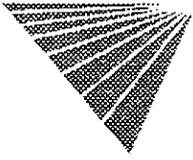
Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 1/4 mi.	3/4 mi.	1/2 mi.	3/8 mi.
	Single Sites	◆	■	△	○
	Multiple Sites	◆◆	■■	△△	○○
Roads Highways Railroads Rivers or Water Bodies Utilities		NPL, SPL, SCL, TSD	CERCLIS, LUST, SWLF	UST	ERNS, GENERATORS
<p>If additional databases are listed in the cover page of the report they are also displayed on this map. The map symbol used corresponds to the database category letter A,B,C,D.</p>					

For More Information Call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403

Report ID: 112858-001

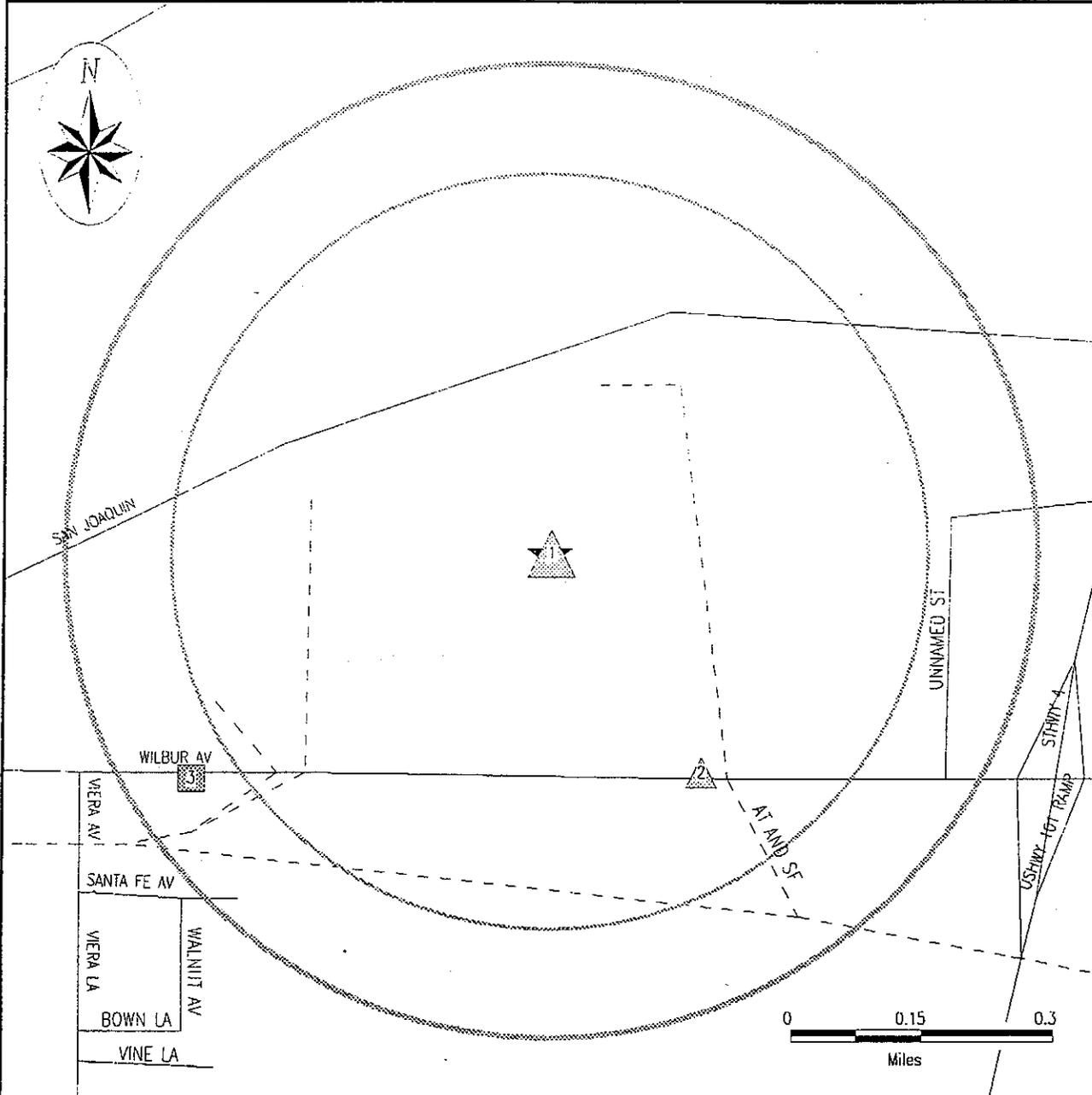
Date of Report: August 23, 1996

Page #3



SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

Map of Sites within Half Mile



Subject Site	Category:	A	B	C	D
★	Databases Searched to:	1 1/4 mi.	3/4 mi.	1/2 mi.	3/8 mi.
	Single Sites	◆	■	▲	○
	Multiple Sites	◆	■	▲	○
		NPL, SPL, SCL, TSD	CERCLIS, LUST, SWLF	UST	ERNS, GENERATORS
	Roads				
	Highways				
	Railroads				
	Rivers or Water Bodies				
	Utilities				

If additional databases are listed in the cover page of the report they are also displayed on this map. The map symbol used corresponds to the database category letter A,B,C,D.

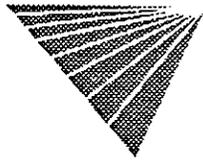
For More Information Call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403

Report ID: 112858-001

Date of Report: August 23, 1996

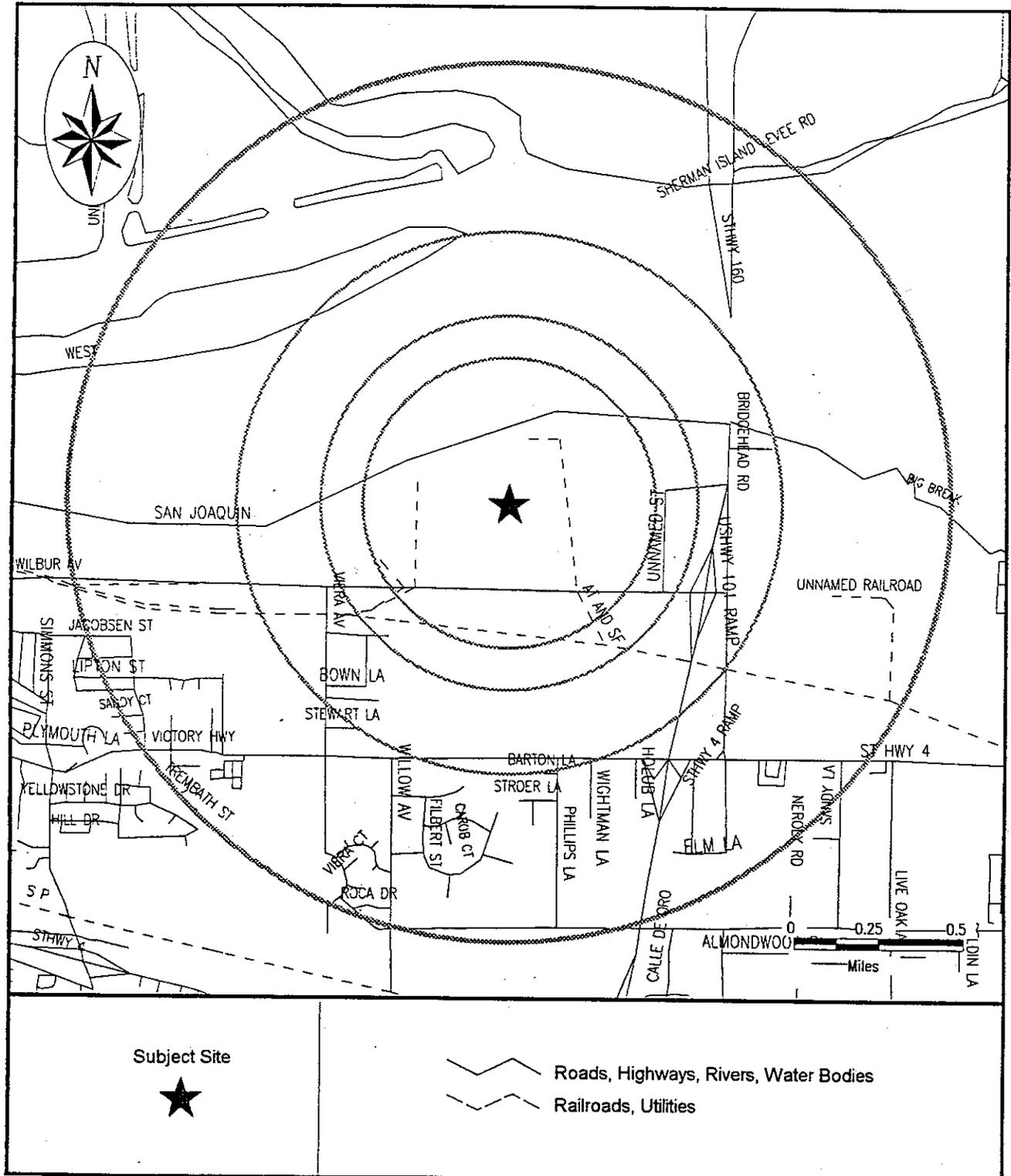
Page #4

C



SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

Street Map



SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 3/8 mile)	VISTA ID DISTANCE DIRECTION	A				B				C		D						
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS
1	CONTRA COSTA POWER PLANT 3201 WILBUR AVENUE ANTIOCH, CA 94509	4924458 0.00 MI ADJACENT															X		
1	PGE, CONTRA COSTA PLANT 3201 WILBUR AVE ANTIOCH, CA 94509	200346090 0.00 MI ADJACENT																	X
1	PGE, CONTRA COSTA PLANT 3201 WILBUR AVE ANTIOCH, CA 94509	200345270 0.00 MI ADJACENT																	X
2	WILBUR EAST POWER PLANT 3400 WILBUR AVE. ANTIOCH, CA 94509	4223144 0.25 MI SE															X		

MAP ID	SITES IN THE SURROUNDING AREA (within 3/8 - 1/2 mile)	VISTA ID DISTANCE DIRECTION	A				B				C		D						
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS
3	ANTIOCH PAVING COMPANY 2540 WILBER AVE ANTIOCH, CA 94509	5359924 0.43 MI SW						X											

MAP ID	SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile)	VISTA ID DISTANCE DIRECTION	A				B				C		D						
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS
4	BRIDGEHEAD INC 5540 BRIDGEHEAD RD OAKLEY, CA 94561	4050957 0.63 MI E						X					X						
5	E I DUPONT DE NEMOURS CO INC WILBUR AVE BRIDGEHEAD RD ANTIOCH, CA 94509	129787 0.65 MI E	X	X			X	X							.		.		.
5	DU PONT ANTIOCH WORKS 6000 BRIDGEHEAD RD ANTIOCH, CA 94509	495524 0.65 MI E						X					X						
5	ANTIOCH FACILITY 6000 BRIDGEHEAD RD. ANTIOCH, CA 94509	5434333 0.65 MI E							X										



X = search criteria; • = tag-along (beyond search criteria).

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 112858-001

Date of Report: August 23, 1996

Version 2.4.1

Page #6

MAP ID	SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile)	VISTA ID DISTANCE DIRECTION	A				B					C		D					
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS
6	PECKHAM PROPERTY 3215 18TH ST E ANTIOCH, CA 94509	3593542 0.69 MI S						X											
7	GAYLORD CONTAINER CORP EAST PLANT WILBUR AVE AT VERA AVE ANTIOCH, CA 94509	166149 0.72 MI W				X													

MAP ID	SITES IN THE SURROUNDING AREA (within 3/4 - 1 1/4 miles)	VISTA ID DISTANCE DIRECTION	A				B					C		D					
			NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS
7	PGE CONTRA COSTA POWER PLT WILBUR AVE ANTIOCH, CA 94509	327797 0.82 MI W	X	X		•									•		•		•



X = search criteria; • = tag-along (beyond search criteria).

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

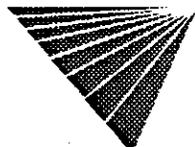
Report ID: 112858-001

Date of Report: August 23, 1996

Version 2.4.1

Page #7

UNMAPPED SITES	VISTA ID	A				B						C			D				
		NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
LAURITZEN YACHT HARBOR RTE 1 (BOX 515) ANTIOCH, CA 94509	1155362						X												
LLOYD'S HOLIDAY HARBOR RTE 1 (BOX 553) ANTIOCH, CA 94509	2746122						X										X		
CONTRA COSTA WATER DISTRICT NEROLY OAKLEY, CA 94561	4036119																X		
CONTRA COSTA POWER PLT ANTIOCH P.O. BOX 249 ANTIOCH, CA 94509	5429356							X											
ANTIOCH AUTO RECYCLER ANTIOCH, CA 94509	4012404																X		
ANTIOCH MAINTENANCE SERV CTR W 005TH N ANTIOCH, CA 94509	4012405																X		
LOUISIANA-PACIFIC CORP SAN JOAQUIN M E WILBUR AVE ANTIOCH, CA 94509	151166																		X
BRIDGEHEAD TRUCK STOP RT-1 BOX ANTIOCH, CA 94509	4040586																X		
LAURITZEN YACHT HARBOR RTE 1 BOX 515 ANTIOCH, CA 94509	5357227											X							
LLOYD'S HOLIDAY HARBOR RTE 1 BOX 553 ANTIOCH, CA 94509	5357228											X							
SAN JOAQUIN YACHT HARBOR RT 1 BOX 566 ANTIOCH, CA 94509	4040127																X		
JOHNSON, ELMER RR 2 BOX OAKLEY, CA 94561	4021230																X		



X = search criteria; • = tag-along (beyond search criteria).
 For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.
 Report ID: 112858-001 Date of Report: August 23, 1996
 Version 2.4.1 Page #8

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

DETAILS

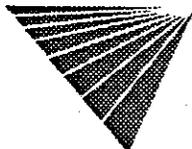
PROPERTY AND THE ADJACENT AREA (within 3/8 mile)

VISTA Address*:	CONTRA COSTA POWER PLANT 3201 WILBUR AVENUE ANTIOCH, CA 94509	VISTA ID#:	4924458
		Distance/Direction:	0.00 MI / ADJACENT
		Plotted as:	Point
AST - Above Ground Storage Tank / SRC# 2824		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Underground Tanks:	NOT REPORTED		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		

Map ID
1

VISTA Address*:	PGE, CONTRA COSTA PLANT 3201 WILBUR AVE ANTIOCH, CA 94509	VISTA ID#:	200346090		
		Distance/Direction:	0.00 MI / ADJACENT		
		Plotted as:	Point		
ERNS - Emergency Response Notification System / SRC# 3006		Agency ID:	94-5133		
Agency Address:	SAME AS ABOVE				
Spill Date Time:	JULY 28, 1994 08:00:00 AM				
Case Number:	94-5133				
Spill Location:	3201 WILBUR AVE				
Source Agency:	E				
Discharger Name:	GILBERT DON				
Discharger Org:	PGE, CONTRA COSTA PLANT				
Material Spilled:	LIGHT TURBINE OIL, 5.00 (GAL)				
Waterway Affected:	SAN JOAQUIN RIVER				
Fields Not Reported:	Discharger Phone				
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	YES	NO	NO	NO	NO

Map ID
1



PROPERTY AND THE ADJACENT AREA (within 3/8 mile) CONT.

VISTA Address*:	PGE, CONTRA COSTA PLANT		VISTA ID#:	200345270	
	3201 WILBUR AVE		Distance/Direction:	0.00 MI / ADJACENT	
	ANTIOCH, CA 94509		Plotted as:	Point	
ERNS - Emergency Response Notification System / SRC# 3006			Agency ID:	94-5133	
Agency Address:	SAME AS ABOVE				
Spill Date Time:	JULY 28, 1994 08:00:00 AM				
Case Number:	94-5133				
Spill Location:	3201 WILBUR AVE				
Source Agency:	E				
Discharger Name:	GILBERT DON				
Discharger Org:	PGE, CONTRA COSTA PLANT				
Material Spilled:	LIGHT TURBINE OIL, 5.00 (GAL)				
Waterway Affected:	SAN JOAQUIN RIVER				
Fields Not Reported:	Discharger Phone				
Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
YES	NO	NO	NO	NO	NO

Map ID
1

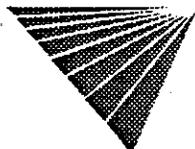
VISTA Address*:	WILBUR EAST POWER PLANT		VISTA ID#:	4223144
	3400 WILBUR AVE.		Distance/Direction:	0.25 MI / SE
	ANTIOCH, CA 94509		Plotted as:	Point
AST - Above Ground Storage Tank / SRC# 2824			EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE			
Underground Tanks:	NOT REPORTED			
Aboveground Tanks:	NOT REPORTED			
Tanks Removed:	NOT REPORTED			

Map ID
2

SITES IN THE SURROUNDING AREA (within 3/8 - 1/2 mile)

VISTA Address*:	ANTIOCH PAVING COMPANY		VISTA ID#:	5359924
	2540 WILBER AVE		Distance/Direction:	0.43 MI / SW
	ANTIOCH, CA 94509		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056			Agency ID:	070075
Agency Address:	SAME AS ABOVE			
Tank Status:	NOT AVAILABLE			
Media Affected:	UNKNOWN			
Substance:	HYDROCARBONS			
Leak Cause:	UNAVAILABLE			
Remedial Action:	NOT AVAILABLE			
Remedial Status 1:	LEAK BEING CONFIRMED			
Remedial Status 2:	NOT AVAILABLE			
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source			

Map ID
3



SITES IN THE SURROUNDING AREA (within 3/8 - 1/2 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3055		Agency ID:	070075
Agency Address:	ANTIOCH PAVING COMPANY 2540 WILBER AVE ANTIOCH, CA		
Tank Status:	NOT AVAILABLE		
Media Affected:	UNKNOWN		
Substance:	HYDROCARBONS		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	LEAK BEING CONFIRMED		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile)

VISTA Address*:	BRIDGEHEAD INC 5540 BRIDGEHEAD RD OAKLEY, CA 94561	VISTA ID#:	4050957	Map ID 4
		Distance/Direction:	0.63 MI / E	
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	070070	
Agency Address:	SAME AS ABOVE			
Tank Status:	NOT AVAILABLE			
Media Affected:	SOIL/SAND/LAND			
Substance:	GASOLINE (UNSPECIFIED)			
Leak Cause:	UNAVAILABLE			
Remedial Action:	NOT AVAILABLE			
Remedial Status 1:	LEAK BEING CONFIRMED			
Remedial Status 2:	NOT AVAILABLE			
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source			
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3055		Agency ID:	070070	
Agency Address:	BRIDGEHEAD INC 5540 BRIDGEHEAD RD OAKLEY, CA			
Tank Status:	NOT AVAILABLE			
Media Affected:	SOIL/SAND/LAND			
Substance:	GASOLINE (UNSPECIFIED)			
Leak Cause:	UNAVAILABLE			
Remedial Action:	NOT AVAILABLE			
Remedial Status 1:	LEAK BEING CONFIRMED			
Remedial Status 2:	NOT AVAILABLE			
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source			
CORTESE / SRC# 2298		EPA/Agency ID:	N/A	
Agency Address:	SAME AS ABOVE			
List Name:	LEAKING TANK			
Site ID:	INV-ID07-000525			



SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile) CONT.

VISTA Address*:	E I DUPONT DE NEMOURS CO INC WILBUR AVE BRIDGEHEAD RD ANTIOCH, CA 94509	VISTA ID#:	129787
		Distance/Direction:	0.65 MI / E
		Plotted as:	Point
CERCLIS / SRC# 2977		EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE		
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE		
Site Ownership:	PRIVATE/NON-GOVERNMENTAL		
Lead Agency:	NO DETERMINATION		
Site Description:	NOT REPORTED		
Event Type:	Lead Agency:	Event Status:	Start Date: Completion Date:
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED NOVEMBER 1, 1979
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED MARCH 1, 1985
SCREENING SITE INSPECTION	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED MARCH 1, 1985
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED NOVEMBER 23, 1988
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED SEPTEMBER 13, 1990
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	ACIDS		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	BASES		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	HEAVY METALS		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	INORGANICS		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	SOLVENTS		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	ORGANICS		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	LANDFILL		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	IMPOUNDMENT		

Map ID

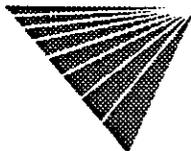
5



* VISTA address includes enhanced city and ZIP.
 For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.
 Report ID: 112858-001 Date of Report: August 23, 1996
 Version 2.4.1 Page #12

SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile) CONT.

Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	UNDERGROUND INJECTION	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	HAZARD UNCERTAIN	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	OTHER:NON-LISTED IGNITABLE, CORROSIVE, REACTIVE, AND TOXIC WAST	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	E	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	SITE INSPECTION DATE	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	RCRA (MAJOR) REGULATED: GENERATOR, TSD FACILITY (EXEMPT RECYCLER	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	I SEENOTIFICATION PART A FILE	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	APPLY HRS IF GROUND WATER USE IS CONFIRMED IN THE CONTRA COSTA A	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	REA	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	SITE REFERRAL TO RCRA	
Regional CERCLIS / SRC# 2462	EPA ID:	CAD009151671
Agency Address:	SAME AS ABOVE	
Regional Utility Description:	NOTIS 103(C) SITE	
SCL - State Equivalent CERCLIS List / SRC# 2825	Agency ID:	07280084
Agency Address:	DUPONT DE NEMOURS CO INC 6000 BRIDGEHEAD ROAD ANTIOCH, CA 94509	
Facility Type:	NOT AVAILABLE	
Lead Agency:	NOT AVAILABLE	
State Status:	FORMER ANNUAL WORKPLAN SITE REFERRED TO RCRA	
Pollutant 1:	PAINT SLUDGE	
Pollutant 2:	LIME SLUDGE	
Pollutant 3:	ORGANIC LIQUIDS WITH METALS	
Fields Not Reported:	Status	



* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 112858-001

Date of Report: August 23, 1996

Version 2.4.1

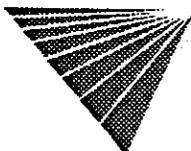
Page #13

SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile) CONT.

VISTA Address*: 3056	DU PONT ANTIOCH WORKS 6000 BRIDGEHEAD RD ANTIOCH, CA 94509	VISTA ID#:	495524
		Distance/Direction:	0.65 MI / E
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	070004
Agency Address:		SAME AS ABOVE	
Tank Status:		NOT AVAILABLE	
Media Affected:		AQUIFER	
Substance:		UNLEADED GAS	
Quantity (Units):		1.0 (GALLONS)	
Leak Cause:		UNAVAILABLE	
Remedial Action:		NOT AVAILABLE	
Remedial Status 1:		CONTAMINATION ASSESSMENT	
Remedial Status 2:		NOT AVAILABLE	
Fields Not Reported:		Discovery Date, Leak Source	
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3055		Agency ID:	070004
Agency Address:		DU PONT ANTIOCH WORKS 6000 BRIDGEHEAD RD ANTIOCH, CA	
Tank Status:		NOT AVAILABLE	
Media Affected:		AQUIFER	
Substance:		UNLEADED GAS	
Leak Cause:		UNAVAILABLE	
Remedial Action:		NOT AVAILABLE	
Remedial Status 1:		CONTAMINATION ASSESSMENT	
Remedial Status 2:		NOT AVAILABLE	
Fields Not Reported:		Discovery Date, Quantity (Units), Leak Source	
CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:		SAME AS ABOVE	
List Name:		LEAKING TANK	
Site ID:		INV-ID07-000002	

Map ID

5



* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 112858-001

Date of Report: August 23, 1996

Version 2.4.1

Page #15

SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile) CONT.

VISTA Address*:	ANTIOCH FACILITY 6000 BRIDGEHEAD RD. ANTIOCH, CA 94509	VISTA ID#:	5434333
		Distance/Direction:	0.65 MI / E
		Plotted as:	Point
WMUDS / SRC# 2463		Agency ID:	5B072038001
Agency Address:	SAME AS ABOVE		
Solid Waste Inventory System ID:	NOT REPORTED		
Facility Type:	INDUSTRIAL - Facilities that treat and/or dispose of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, waterwell pumping.		
Facility In State Board Waste Discharger System:	YES		
Chapter 15 Facility:	YES		
Solid Waste Assessment Test Facility:	NO		
Toxic Pits Cleanup Act Facility:	NO		
RCRA Facility:	YES		
Department of Defense Facility:	NO		
Open To Public:	NO		
Number Of Waste Management Units:	1		
Threat To Water:	MODERATE THREAT TO WATER QUALITY		
Complexity:	Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes detection systems or ground water monitoring wells.		
Facility Status:	ACTIVE - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements. Those facilities that are not under Waste Discharge Requirements (WURDs) are coded as ACTIVE when: 1) there is an active enforcement order for the facility, 2) there is a significant violation that has not been resolved to the satisfaction of the Regional Board, 3) after an inspection further action is required to mitigate a problem at the facility, or 4) there is some problem that the Regional Board		
Waste 1 (Nature/Type):	DESIGNATED - Influent or solid wastes that contain nonhazardous wastes that pose a significant threat to water quality because of their high concentrations (e.g. 800 hardness, TRF, Chloride). 'Manageable' hazardous wastes (e.g. inorganic salts and heavy metals) are included in this category. / PROCESS WASTE		
Waste 2 (Nature/Type):	DESIGNATED - Influent or solid wastes that contain nonhazardous wastes that pose a significant threat to water quality because of their high concentrations (e.g. 800 hardness, TRF, Chloride). 'Manageable' hazardous wastes (e.g. inorganic salts and heavy metals) are included in this category. / DOMESTIC SEWAGE		
Rank:	NOT REPORTED		
Enforcements At Facility:	NO		
Violations At Facility:	YES		

Map ID

5

VISTA Address*:	PECKHAM PROPERTY 3215 18TH ST E ANTIOCH, CA 94509	VISTA ID#:	3593542
		Distance/Direction:	0.69 MI / S
		Plotted as:	Point
STATE LUST - State Leaking Underground Storage Tank / SRC# 3056		Agency ID:	070057
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Media Affected:	SOIL/SAND/LAND		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	CONTAMINATION ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

Map ID

6



* VISTA address includes enhanced city and ZIP.

For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 112858-001

Date of Report: August 23, 1996

Version 2.4.1

Page #16

SITES IN THE SURROUNDING AREA (within 1/2 - 3/4 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3055		Agency ID:	070057
Agency Address:	PECKHAM PROPERTY 3215 18TH ST E ANTIOCH, CA		
Tank Status:	NOT AVAILABLE		
Media Affected:	SOIL/SAND/LAND		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NOT AVAILABLE		
Remedial Status 1:	CONTAMINATION ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		
CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	PECKHAM PROPERTY 3215 18TH ST E ANTIOCH, CA		
List Name:	LEAKING TANK		
Site ID:	INV-ID07-000514		
VISTA Address*:	GAYLORD CONTAINER CORP EAST PLANT WILBUR AVE AT VERA AVE ANTIOCH, CA 94509	VISTA ID#:	166149
		Distance/Direction:	0.72 MI / W
		Plotted as:	Point
CERCLIS / SRC# 2977		EPA ID:	CAD009148180
Agency Address:	SAME AS ABOVE		
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE		
Site Ownership:	UNKNOWN		
Lead Agency:	NO DETERMINATION		
Site Description:	NOT REPORTED		
Event Type:	Lead Agency:	Event Status:	Start Date:
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED
			Completion Date:
			DECEMBER 1, 1979
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	NO FURTHER REMEDIAL ACTION PLANNED	NOT REPORTED
			APRIL 1, 1985
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009148180
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	UNKNOWN		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009148180
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	IMPOUNDMENT		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009148180
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	STS SITE		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009148180
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	ACTION NEEDED - INSPECTION		
Regional CERCLIS / SRC# 2462		EPA ID:	CAD009148180
Agency Address:	SAME AS ABOVE		
Regional Utility Description:	CONTRA COSTA STUDY		

Map ID
7



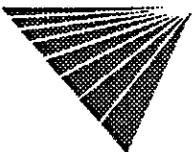
SITES IN THE SURROUNDING AREA (within 3/4 - 1 1/4 miles)

VISTA Address*:	PGE CONTRA COSTA POWER PLT WILBUR AVE ANTIOCH, CA 94509	VISTA ID#:	327797
		Distance/Direction:	0.82 MI / W
		Plotted as:	Point
CORRACTS / SRC# 3057		EPA ID:	CAT080011489

Map ID
7

Agency Address:	PGE CONTRA COSTA POWER PLT 1456 WILBUR AVE ANTIOCH, CA 94509
Prioritization Status:	LOW
RCRA Facility Assessment Completed:	YES
Notice of Contamination:	NO
Determination of need For a RFI (RCRA Facility Investigation):	NO
RFI Imposed:	NO
RFI Workplan Notice of Deficiency Issued:	NO
RFI Workplan Approved:	NO
RFI Report Received:	NO
RFI Approved:	NO
No Further Corrective Action at this Time:	NO
Stabilization Mesaures Evaluation:	NO
CMS (Corrective Measure Study) Imposition:	NO
CMS Workplan Approved:	NO
CMS Report Received:	NO
CMS Approved:	NO
Date for Remedy Selection (CM Imposed):	NO
Corrective Measures Design Approved:	NO
Corrective Measures Investigation Workplan Approved:	NO
Certification of Remedy Completion:	NO
Stabilization Measures Implementation:	NO
Stabilization Measures Completed:	NO
Corrective Action Process Termination:	YES

RCRA-TSD / SRC# 3057		EPA ID:	CAT080011489
Agency Address:	PGE CONTRA COSTA POWER PLT 1456 WILBUR AVE ANTIOCH, CA 94509		
Off-Site Waste Received:	NO		
Land Disposal:	NO		
Incinerator:	NO		
Storage/Treatment:	NO		



* VISTA address includes enhanced city and ZIP.
 For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.
 Report ID: 112858-001 Date of Report: August 23, 1996
 Version 2.4.1 Page #18

UNMAPPED SITES

VISTA Address*:	CONTRA COSTA POWER PLT ANTIOCH P.O. BOX 249 ANTIOCH, CA 94509	VISTA ID#:	5429356
WMUDS / SRC# 2463		Agency ID:	5B072014008
Agency Address:	SAME AS ABOVE		
Solid Waste Inventory System ID:	NOT REPORTED		
Facility Type:	INDUSTRIAL - Facilities that treat and/or dispose of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, waterwell pumping.		
Facility In State Board Waste Discharger System:	YES		
Chapter 15 Facility:	YES		
Solid Waste Assessment Test Facility:	NO		
Toxic Pits Cleanup Act Facility:	YES		
RCRA Facility:	YES		
Department of Defense Facility:	NO		
Open To Public:	NO		
Number Of Waste Management Units:	1		
Rank:	NOT REPORTED		
Enforcements At Facility:	NO		
Violations At Facility:	YES		



* VISTA address includes enhanced city and ZIP.
 For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.
 Report ID: 112858-001 Date of Report: August 23, 1996
 Version 2.4.1 Page #19

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1/4 MILE)

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 1/4 MILES

NPL
SRC#: 3064 VISTA conducts a database search to identify all sites within 1.25 mile of your property.
The agency release date for NPL was June, 1996.

The National Priorities List (NPL) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund program. A site must meet or surpass a predetermined hazard ranking system score, be chosen as a state's top priority site, or meet three specific criteria set jointly by the US Dept of Health and Human Services and the US EPA in order to become an NPL site.

SPL
SRC#: 2826 VISTA conducts a database search to identify all sites within 1.25 mile of your property.
The agency release date for Calsites Database: Annual Workplan Sites was January, 1996.

This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control. Annual Work Plan (AWP) sites and sites where Preliminary Endangerment Assessments are a high priority are included.

CORRACTS
SRC#: 3057 VISTA conducts a database search to identify all sites within 1.25 mile of your property.
The agency release date for RCRA Corrective Action Sites List was May, 1996.

The EPA maintains this database of RCRA facilities which are undergoing "corrective action". A "corrective action order" is issued pursuant to RCRA Section 3008 (h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. Corrective actions may be required beyond the facility's boundary and can be required regardless of when the release occurred, even if it predates RCRA.

RCRA-TSD
SRC#: 3057 VISTA conducts a database search to identify all sites within 1.25 mile of your property.
The agency release date for RCRIS was May, 1996.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA TSDs are facilities which treat, store and/or dispose of hazardous waste.

B) DATABASES SEARCHED TO 3/4 MILE

CERCLIS
SRC#: 2976 VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for CERCLIS was March, 1996.

The CERCLIS List contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL. The information on each site includes a history of all pre-remedial, remedial, removal and community relations activities or events at the site, financial funding information for the events, and unrestricted enforcement activities.



For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 112858-001

Date of Report: August 23, 1996

Version 2.4.1

Page #20

NFRAP
SRC#: 2977

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for CERCLIS-NFRAP was March, 1996.

NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly, or the contamination was not serious enough to require Federal Superfund action or NPL consideration.

Cal Cerclis
SRC#: 2462

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Ca Cerclis w/Regional Utility Description was June, 1995.

This database is provided by the U.S. Environmental Protection Agency, Region 9. These are regional utility descriptions for California CERCLIS sites.

SCL
SRC#: 2825

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Calsites Database: All Sites except Annual Workplan Sites (incl. ASPIS) was January, 1996.

This database is provided by the Department of Toxic Substances Control. These are lower priority than the SPL sites.

SWLF
SRC#: 2882

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Ca Solid Waste Information System (SWIS) was March, 1996.

This database is provided by the Integrated Waste Management Board.

WMUDS
SRC#: 2463

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Waste Management Unit Database System (WMUDS) was June, 1995.

This database is provided by the State Water Resources Control Board. This is used for program tracking and inventory of waste management units. This system contains information from the following eight main databases: Facility, Waste Management Unit, SWAT Program Information, SWAT Report Summary Information, Chapter 15 (formerly Subchapter 15), TPCA Program Information, RCRA Program Information, Closure Information; also some information from the WDS (Waste Discharge System).

LUST
SRC#: 3056

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Lust Information System (LUSTIS) was April, 1996.

This database is provided by the California Environmental Protection Agency.

LUST RG2
SRC#: 2932

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Region #2-San Francisco Bay Fuel Leaks List was March, 1996.

This database is provided by the Regional Water Quality Control Board, Region #2.

LUST RG5
SRC#: 3055

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Region #5-Central Valley Underground Tank Tracking System was May, 1996.

This database is provided by the Regional Water Quality Control Board, Region #5.



For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 112858-001

Date of Report: August 23, 1996

Version 2.4.1

Page #21

CORTESE
SRC#: 2298 VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for **Cortese List-Hazardous Waste Substance Site List** was February, 1995.

This database is provided by the Office of Environmental Protection, Office of Hazardous Materials.

Deed Restrictions
SRC#: 1703 VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for **Deed Restriction Properties Report** was April, 1994.

This database is provided by the Department of Health Services-Land Use and Air Assessment. These are voluntary deed restriction agreements with owners of property who propose building residences, schools, hospitals, or day care centers on property that is "on or within 2,000 feet of a significant disposal of hazardous waste".

Toxic Pits
SRC#: 2229 VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for **Summary of Toxic Pits Cleanup Facilities** was February, 1995.

This database is provided by the Water Quality Control Board, Division of Loans Grants.

North Bay
SRC#: 1718 VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for **North Bay County Toxic List-Region #2 Surface Spills** was April, 1994.

This database is provided by the Regional Water Quality Control Board, Region #2.

South Bay
SRC#: 1719 VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for **South Bay Site Management System** was April, 1994.

This database is provided by the San Francisco Bay Region.

C) DATABASES SEARCHED TO 1/2 MILE

RCRA-Viols/En
SRC#: 3057 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for **RCRIS** was May, 1996.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Violators are facilities which have been cited for RCRA Violations at least once since 1980. RCRA Enforcements are enforcement actions taken against RCRA violators.

UST's
SRC#: 1612 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for **Underground Storage Tank Registrations Database** was January, 1994.

This database is provided by the State Water Resources Control Board, Office of Underground Storage Tanks.

AST's
SRC#: 2824 VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for **Aboveground Storage Tank Database** was February, 1996.

This database is provided by the State Water Resources Control Board.



For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 112858-001

Date of Report: August 23, 1996

Version 2.4.1

Page #22

TRIS
SRC#: 2587

VISTA conducts a database search to identify all sites within 1/2 mile of your property.
The agency release date for TRIS was May, 1995.

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as SARA Title III) of 1986 requires the EPA to establish an inventory of Toxic Chemicals emissions from certain facilities(Toxic Release Inventory System). Facilities subject to this reporting are required to complete a Toxic Chemical Release Form(Form R) for specified chemicals.

D) DATABASES SEARCHED TO 3/8 MILE

ERNS
SRC#: 3006

VISTA conducts a database search to identify all sites within .375 mile of your property.
The agency release date for ERNS was March, 1996.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities including the EPA, the US Coast Guard, the National Response Center and the Department of transportation. A search of the database records for the period October 1986 through June 1995 revealed the following information regarding reported spills of oil or hazardous substances in the stated area.

RCRA-LgGen
SRC#: 3057

VISTA conducts a database search to identify all sites within .375 mile of your property.
The agency release date for RCRIS was May, 1996.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Large Generators are facilities which generate at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

RCRA-SmGen
SRC#: 3057

VISTA conducts a database search to identify all sites within .375 mile of your property.
The agency release date for RCRIS was May, 1996.

The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Facilities database is a compilation by the EPA of facilities which report generation, storage, transportation, treatment or disposal of hazardous waste. RCRA Small and Very Small generators are facilities which generate less than 1000 kg./month of non-acutely hazardous waste.

End of Report



For more information call VISTA Information Solutions, Inc. at 1 - 800 - 767 - 0403.

Report ID: 112858-001

Date of Report: August 23, 1996

Version 2.4.1

Page #23

VISTA INFORMATION SOLUTIONS

FACILITY RISK PROFILE				
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Client Project/P.O. No.: 9283110R7</td> <td style="width: 50%; border: none;">VISTA Report No.: 112858011</td> </tr> <tr> <td style="border: none;">Client Reference Name:</td> <td style="border: none;">Date of Report: Aug. 23, 1996</td> </tr> </table>	Client Project/P.O. No.: 9283110R7	VISTA Report No.: 112858011	Client Reference Name:	Date of Report: Aug. 23, 1996
Client Project/P.O. No.: 9283110R7	VISTA Report No.: 112858011			
Client Reference Name:	Date of Report: Aug. 23, 1996			

SITE DESCRIPTION

PACIFIC GAS & ELECTRIC CONTRA COSTA POWER

3201 WILBUR AVE

ANTIOCH, CA

94509

CONTRA COSTA COUNTY

ADDITIONAL SEARCH CRITERIA

Facility Names:	1) PACIFIC GAS ELECTRIC
	2) CONTRA COSTA POWER
	3) PG E CONTRA COSTA
	4) PACIFIC GAS & ELECTRIC
Street Names:	1) WILBUR
Zip Codes:	1) 94531

A search of the VISTA Environmental Database found facility record(s) which fit the above site descriptions and/or additional search criteria. The following is a summary of the combined risks listed in those records:

Summary of Environmental Records at Site

Records of Existing or Potential Contamination

- *Site has reported spill incidents (ERNS)*

Records of Hazardous Materials or Environmental Permits

- *Site utilizes storage tanks(UST/AST)*

Records of Environmental Non-Compliance

- *No records found*

See the last two pages for a description of how this report is produced and the agency lists searched.

(Rev. 5.991, Mar 20 1996. (3201))

©VISTA INFORMATION SOLUTIONS, INC., 1995

Aug. 23, 1996-Report #-112858011

5060 Shoreham Place, Suite 300, San Diego, CA 92122

For more info call: (619) 450-6100

INVENTORY OF ENVIRONMENTAL RECORDS REVIEWED
Records of Existing and Potential Contamination

Agency/Database	Type of Record	List Available	Record Found	Rec. Not Found
US EPA NPL	FEDERAL SUPERFUND SITE	Y		X
US EPA CERC/NFRAP	CERCLIS(C)/NFRAP(N) SITE	Y		X
US EPA CORRACTS	CORRECTIVE ACTIONS SITE	Y		X
US EPA ERNS	SPILL NOTIFICATION	Y	X	
STATE SPL/SCL	CONTAMINATED SITE	Y		X
STATE LUST	LEAKING TANKS SITE	Y		X
STATE SOLID WASTE	SOLID WASTE SITE	Y		X
STATE SPILL	SPILL SITE	Y		X

Records Indicating Hazardous Materials or Environmental Permits Present

Agency/Database	Type of Record	List Available	Record Found	Rec. Not Found
US EPA RCRIS	HAZ WASTE TSD SITE	Y		X
US EPA RCRIS	HAZ WASTE TRANSPORTER	Y		X
US EPA RCRIS	HAZ WASTE GENERATOR	Y		X
US EPA PADS	PCB HANDLER	Y		X
US EPA CICIS	CHEMICAL PRODUCER SITE	Y		X
US EPA TRIS	TOXIC CHEMICAL RELEASES	Y		X
US EPA PCS	WASTE WATER PERMIT	Y		X
US EPA AIRS	REGULATED AIR EMISSIONS	Y		X
US EPA FATES	PESTICIDES PROCESSOR	Y		X
US EPA FRDS	PUBLIC WATER SUPPLY	Y		X
US EPA FINDS	FACILITY INDEX SYSTEM	Y		X
STATE UST/AST	TANK SITES	Y	X	

Records of Environmental Compliance

Agency/Database	Type of Record	List Available	Record Found	Rec. Not Found
US EPA RCRIS	RCRA COMPLIANCE	Y		X
US EPA RAATS	RCRA ADMIN. ACTIONS	Y		X
US EPA PCS	NPDES COMPL/ENF	Y		X
US EPA AIRS	AIR EMISSION COMPLIANCE	Y		X
US EPA FTTS	FIFRA/TSCA/EPCRA COMP	Y		X
US DoL OSHA	OSHA COMPLIANCE	Y		X
US EPA SETS	RESPONSIBLE PARTY	Y		X
US EPA DOCKET	CIVIL JUDICIAL ACTIONS	Y		X

VISTA INFORMATION SOLUTIONS, INC.

General Records Found Under Site Description

Facility Name	: CONTRA COSTA POWER PLANT
Facility Address	: 3201 WILBUR AVENUE
Facility City/Zip	: ANTIOCH, CA 94509
Facility County	: NOT REPORTED
VISTA #	: 4924458

UST Record Details

Tank Information

Number of Tanks: Not Reported

ERNS Spill Record Details

PG&E, CONTRA COSTA PLANT
3201 WILBUR AVE
ANTIOCH , CA 94509-
LIGHT TURBINE OIL , 00000005.00 , GAL

VISTA ID : 200345270
Spill ID : 000392715
Spill Date : 07/28/1994
Spill Time : 08:00 AM

PG&E, CONTRA COSTA PLANT
3201 WILBUR AVE
ANTIOCH , CA 94509-
LIGHT TURBINE OIL , 00000005.00 , GAL

VISTA ID : 200346090
Spill ID : 000393547
Spill Date : 07/28/1994
Spill Time : 08:00 AM

APPENDIX 1

Explanation of VISTA's Database Search for this Report:

Environmental reporting from the EPA and other government agencies is often inconsistent. The same facility or property may be listed many different ways. A facility may have more than one name (e.g., 'Smith's Garage' and 'Exxon Service Station #12') or an inconsistent presentation of the same name. A street may also be known by more than one name (e.g., 'Main Street' is also known as 'Route 9'). An area may have more than one city name. City names also are frequently abbreviated.

To provide you with the most complete search of government records possible, VISTA does extensive computerized matching of records to combine agency data from different sources. VISTA also performs address verification to the Post Office's Zip+4 database to assure the accuracy of the city and zip code information.

The additional search criteria indicated on Page 1 were used to further enhance the search for government records. This report comprises all VISTA records which fit any of the following conditions relative to the subject property:

Search Criteria

- | |
|--|
| <ul style="list-style-type: none"> • matching street number, street name, city but no zip code: • matching street number, street name, zip code: • within 10 street numbers with matching facility name: • no street number, but matching street name, city or zip and facility name: • intersection of matching street name, matching city or zip and facility name: • no street number or street name with matching city or zip and facility name: • P.O. Box with matching city or zip and facility name: • matching EPA Identification Number: |
|--|

Limitations of Information:

All data contained in this report was obtained from the federal and state government environmental databases. VISTA does not warrant the accuracy, timeliness, merchantability, completeness or usefulness of any information furnished, and the subscriber accepts any and all risks resulting from decisions made based solely or in part on VISTA information.

FACILITY RISK PROFILE

FEDERAL AGENCY RECORDS SEARCHED

Agency	Database	Type of Record	Database Currency
US EPA	NPL	Federal Superfund Sites	06/96
US EPA	CERCLIS	Sites Under Review by US EPA	03/96
US EPA	NFRAP	NFRAP Sites Under Review by US EPA	03/96
US EPA	TRIS	Facilities Releasing Toxic Chemicals	05/95
US EPA	CICIS	Chemical Producers (as of 1981)	05/86
US EPA	FATES	Manufacturers or Processors of Pesticides	02/96
US EPA	PCS	Site with NPDES Water Dischg. Permit	03/95
US EPA	AIRS	Produces Regulated Air Emissions	09/95
US EPA	RCRIS	Hazardous Waste Handlers	05/96
US EPA	CORRACTS	RCRA Corrective Action Site	05/96
US EPA	RAATS	RCRA Administrative Action Site	04/95
US EPA	PADS	PCB Handler	10/93
US EPA	FRDS	Operators of a Pub. Drinking Water Sys.	06/95
US EPA	FINDS	Site on EPA's Facility Index System	10/95
US EPA	ERNS	Spill Sites	06/95
US DoL	OSHA	Facilities with OSHA Inspections	07/95
US EPA	FTTS	FIFRA/TSCA/EPCRA Compliance Sites	07/96
US EPA	SETS	Superfund Potentially Responsible Parties	02/96
US EPA	DOCKETS	Sites listed in Civil Enforcement System	07/96

CALIFORNIA STATE AGENCY RECORDS SEARCHED

Agency	Type of Record	Database Currency
Cal. Environmental Protection Agency, Dept. of Toxic Substances Control	Calsites Database: Annual Workplan Sites	01/96
Cal. Environmental Protection Agency, Dept. of Toxic Substances Control	Calsites Database: All Sites except Annual Workplan Sites (incl. ASPIS)	01/96
California Environmental Protection Agency	Lust Information System (LUSTIS)	04/96
Integrated Waste Management Board	Ca Solid Waste Information System (SWIS)	03/96

CALIFORNIA State Agency Databases Searched (continued)

Agency	Type of Record	Database Currency
San Diego County Department of Health Services	San Diego County Environmental Health Services Database-Solid Waste Sites	07/96
State Water Resources Control Board	Aboveground Storage Tank Database	02/96
State Water Resources Control Board, Office of Underground Storage Tanks	Underground Storage Tank Registrations Database	01/94
Office of Emergency Services	California Hazardous Materials Incident Report	12/90
Orange County Health Care Agency	Orange County-Industrial Cleanups	03/96
Regional Water Quality Control Board, Region #1 (North Coast Region)	Region #1-Active Toxic Site Investigations-Spills	02/96
San Diego County Department of Health Services	San Diego County Environmental Health Services Database-Spill Sites	07/96

Count Summary and Record Index
Records of Existing and Potential Contamination

Agency/Database	# of Records	Page Numbers
NPL - Federal Superfund Site	0	N/A
CERCLIS/NFRAP Site	0	N/A
SPL/SCL - Contaminated Sites	0	N/A
CORRACTS - Corrective Actions Site	0	N/A
LUST - Leaking Tanks Sites	0	N/A
Solid Waste Sites	0	N/A
ERNS Spill Notifications	2	4
State Spill Records	0	N/A

Records of Hazardous Materials or Environmental Permits

Agency/Database	# of Records	Page Numbers
RCRA Summary Information		N/A
PADS - PCB Handler Sites	0	N/A
CICIS - Chemical Producer Sites	0	N/A
TRIS - Toxic Chemical Release Records	0	N/A
PCS - NPDES Waste Water Permits	0	N/A
AIRS - Regulated Air Emissions	0	N/A
FATES - Pesticide Processor Records	0	N/A
FRDS - Drinking Water Supply	0	N/A
FINDS - Facility Index System	0	N/A
UST/AST - Storage Tanks	1	3

Records of Environmental Compliance

Agency/Database	# of Records	Page Numbers
RCRA Compliance	0	N/A
SETS - Responsible Party	0	N/A
OSHA - OSHA Violations	0	N/A
FTTS - FIFRA/TSCA/EPCRA	0	N/A
DOCKETS - Civil Judicial Actions	0	N/A
PCS - NPDES Viol/Enf	0	N/A
AIRS - Emission Compliance	0	N/A
RAATS - RCRA Admin. Actions	0	N/A

Appendix D
Hazardous Substance Inventory

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L. a w	Chemical Name/Mixture	Chemical Common Name	Mixture of Haz Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
3	560	Cu Ft	41	41	365	S	Acetylene	Acetylene	100	
4	230	Cu Ft	18	18	365	S	Acetylene	Acetylene	100	
5	230	Cu Ft	18	18	365	S	Acetylene	Acetylene	100	
6	575	Gal	900	900	365	S	Alumina	Activated Alumina	100	
9	220	Gal	1,835	1,835	365	S	Kerosene	Alkylbenzenes	100	
10	110	Gal	900	900	365	S	Petroleum Oil	American Industrial Supply "Easc-B"		
11	110	Gal	900	293	365	B	Petroleum Oil	American Industrial Supply "Easc-B"		
12	110	Gal	918	918	365	B	Ammonium Hydroxide	Ammonium Hydroxide	100	
13	220	Gal	2,848	2,848	365	B	Antifreeze	Antifreeze		

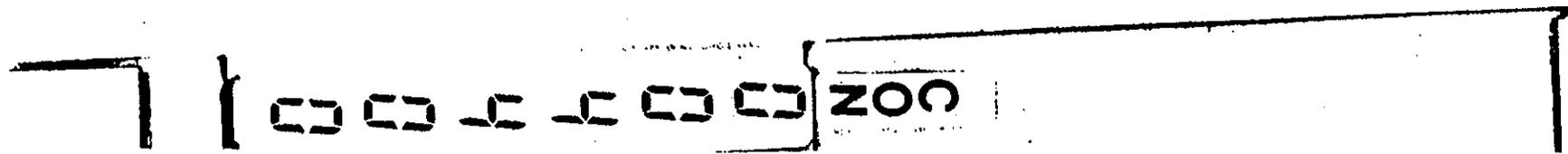
00 40 44 53 53 ZOO

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics						Storage Code	Pres Code	Temp Code	Fig	Grid	Location Description	NFPA Hazards			Hazard Container (On Site)	Units
						F	P	R	A	C	H							F	R	Specific		
J	74 86-2	UN 1001	P	G	<input checked="" type="checkbox"/>	L	1	4	1	H2	Quonset Hut	1	4	3								
4	74 86-2	UN 1001	P	G	<input checked="" type="checkbox"/>	L	1	4	1	J3	I & C Yard, Near 6,7	1	4	3	130	Cu Ft						
5	74 86-2	UN 1001	P	G	<input checked="" type="checkbox"/>	L	1	4	1	J3	I & C Yard, Near 6,7	1	4	3	130	Cu Ft						
6	1344-28-1	N/A	M	L	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	E D	1	4	1	F3	Buller Chemical Stor Area				55	Gal		
9	8008 20-6	UN 1223	M	L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	D	1	4	1	F2	Storage Shed	0	2	0				
10	64741-88-4	UN 1270	M	L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D	1	4	1	G4	Instrument Shop	1	1	0	55	Gal		
11	64741-88-4	UN 1270	M	L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D	1	4	1	G4	Machine Shop	1	1	0	55	Gal		
12	1536-21-6	UN 2672	P	L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	A	1	4	1	H3	Haz Mat Stor Bldg, U 6,7	3	0	0	C	110	Gal	
13	107-21-1	UN 1171	M	L	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	F	1	4	1	H3	Haz Mat Stor Bldg, U 6,7	1	1	0		55	Gal	

LOW LEVEL ZON

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L H W	Chemical Name/Mixture	Chemical Common Name	Mixture or If a Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
14	110	Gal	918	918	365	B	Ammonia solutions	Aqua Ammonia		
15	345	Gal	2,880	2,880	365	B	Ammonia solutions	Aqua Ammonia		
17	1,035	Cu Ft	116	100	365	S	Argon, compressed	Argon	100	
20	672	Cu Ft	81	81	365	S	Argon, compressed	Argon and Carbon Dioxide Carbon Dioxide	75 25	
21	2,240	Cu Ft	19	19	365	S	Argon, compressed	Argon and Carbon Dioxide Carbon Dioxide	75 25	
25	2,020	Gal	2,500	2,500	365		Not Available	Bio-Brandschutz Novasit K10		
26	60	Gal	500	500	365		Not Available	Calgon PCS Plus		
27	461	Cu Ft	57	57	365	B	Carbon Dioxide	Carbon Dioxide	100	

2



Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Press Code	Temp Code	Fig	Grid	Location Description	NFPA Hazards			Largest Container On-Site	Units	
													H	F	R			Specific
14	7664-41-7	UN 2672	M	L	□□□ <input checked="" type="checkbox"/> □	A	1	4	2	13		Ammunition Tank	3	0	0	C	55	Gal
15	7664-41-7	UN 2672	M	L	□□□ <input checked="" type="checkbox"/> □	A	1	4	2	13		Unit 6,7 Area	3	0	0	C	345	Gal
17	7440-37-1	UN 1006	P	G	□□□ <input checked="" type="checkbox"/> □	L	2	4	2	G2		Warehouse	0	0	0		230	Cu Ft
20	7440-37-1 124-38-9	UN 1006	M	L	□□□ <input checked="" type="checkbox"/> □	L	2	4	2	G2		Warehouse	0	0	0		230	Cu Ft
21	7440-37-1 124-38-9	UN 1006	M	L	□□□ <input checked="" type="checkbox"/> □	L	2	4	2	112		Quonset Hut	0	0	0			
25	N/A	N/A	M	L	□□□□□	D	1	4	2	F3		Boiler Chemical Stor Area					50	lb Bag
26	N/A	N/A	M		□□□□□	I						F4 Bearing CW Station, U 1,2,					55	Gal
17	124-38-9	UN 1013	P	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> □□ <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	L	2	4	2	G2		Warehouse	0	0	0		230	Cu Ft

1 2 3 4 5 6 7 8 9 0 Z O O

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L e w	Chemical Name/Mixture	Chemical Common Name	Mixture or	If a Waste,
									Max Waste	Estimated
									Composition	Annual
									%	Amount (lbs)
28	4,000	Cu Ft	312	312	365	S	Carbon Dioxide	Carbon Dioxide	100	
29	1,400	Cu Ft	172	129	365	S	Carbon Dioxide	Carbon Dioxide	100	
30	1,400	Cu Ft	172	172	365	S	Carbon Dioxide	Carbon Dioxide	100	
31	460	Cu Ft	36	36	365	S	Carbon Dioxide	Carbon Dioxide	100	
32	460	Cu Ft	36	36	365	S	Carbon Dioxide	Carbon Dioxide	100	
33	930	Cu Ft	115	115	365	S	Carbon Dioxide	Carbon Dioxide	100	
34	460	Cu Ft	36	36	365	S	Carbon Dioxide	Carbon Dioxide	100	
35	8,000	Cu Ft	624	624	365	S	Carbon Dioxide	Carbon Dioxide	100	
36	8,000	Cu Ft	624	624	365	S	Carbon Dioxide	Carbon Dioxide	100	

7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics					Storage Code	Press Code	Temp Code	Fig	Grid	Location Description	NEPA Hazards			Largest Container On-Site	Units
						F	P	R	A	C							H	F	R		
28	124-38-9	UN 1013	P	G	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2	4	2	F4	CO2 Tank, U 1,2,3	0	0	0	4000	Cu Ft	
29	124-38-9	UN 1013	P	G	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2	4	2	F4	Mobile Gas Turbine	0	0	0			
30	124-38-9	UN 1013	P	G	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2	4	2	F4	Welding Shop	0	0	0			
31	124-38-9	UN 1013	P	G	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	4	2	G3	7 Blr CEMS	0	0	0			
32	124-38-9	UN 1013	P	G	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	4	2	G3	8 Blr CEMS	0	0	0			
33	124-38-9	UN 1013	P	G	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	2	4	2	G4	Cylinder Stor Area, U 4,5	0	0	0			
34	124-38-9	UN 1013	P	G	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	4	2	H3	9 Blr CEMS	0	0	0			
35	124-38-9	UN 1013	P	G	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	4	2	H4	CO2 Tank, U 4,5	0	0	0			
36	124-38-9	UN 1013	P	G	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	1	4	2	H3	CO2 Tank, U 6,7	0	0	0			

W O R L D Z O O

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Pres Code	Temp Code	Flg	Grid	Location Description	NFPA Hazards			Largest Container On-Site	Units
													H	F	R		
37	124-38-9	UN 1013	P	G	☒☒☒☒☒	L	1	4	2	D	10	Blr CEMS	0	0	0		
43	68476-34-6	UN 1993	M	L	☐☐☐☐☒	A	1	4	2	F2		Fuel Tank	0	2	0		
44	68476-34-6	UN 1993	M	L	☐☐☐☐☒	A	1	4	2	F4		Mobile Gas Turbine	0	2	0	18252	Gal
45	68476-34-6	UN 1993	M	L	☐☐☐☐☒	A	1	4	2	J2		Diesel Firehouse	0	2	0		
46	64742-93-6	UN 1270	M	L	☐☐☐☐☒	D	1	4	2	G4		Electrical Shop	0	1	0	55	Gal
49	8006-61-9	UN 1203	M	L	☒☐☐☒☒	A	1	4	2	F2		Fuel Tank	1	3	0	1000	Gal
50	7727-37-9 7727-37-9	UN 1044	P	G	☒☒☐☐☐	L	2	4	2	F4		Mobile Gas Turbine	0	3	0	230	Cu Ft
51	7727-37-9 7727-37-9	UN 1044	P	G	☒☒☐☐☐	L	2	4	2	F4		Welding Shop	0	3	0	230	Cu Ft

UN 03 - C - C 03 03 Z00

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L a w	Chemical Name/Mixture	Chemical Common Name	Mixture or	If a Waste,
									Haz Waste	Estimated
									Composition	Annual
									%	Amount (lbs)
52	55	Gal	411	300	365	S	Petroleum Spirits	Diablo 350 Thinner		
53	55	Gal	459	459	365	S	Glycerin	Dow Corning Glycerine USP 96%		
56	200	Gal	1,670	1,000	365		Not Available	Enamel Paint		
								Mineral Spirits		
								Titanium Dioxide		
60	55	Gal	512	512	365	S	Antifreeze	Ethylene Glycol		
61	180	Gal	1,500	1,500	365	B	Sulfuric Acid	Exide EA-17 Wet Cell Batteries		37.5
62	123	Gal	1,020	1,020	365	B	Sulfuric Acid	Exide Manches FMP-17 Wet Cell Batteries		37.5
63	1,033	lbs	1,030	500	365		Not Available	Flex-O-Lite Blastolite Industrial Glass Beads		
64	65,394	Gal	523,152	523,152	365	S	Fuel Oil	Fuel Oil # 6		
65	120,078	Gal	960,600	960,600	365	S	Fuel Oil	Fuel Oil # 6		

0703 030303 200

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Pres Code	Temp Code	Fig	Ghd	Location Description	NEPA Hazards			Largest Container On Site	Units
													H	F	R		
52		64475-85-0	UN 1271	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	114	Haz Mat Stor Area, U 4,5	1	4	0	55	Gal
53		56-81-5	N/A	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	D	1	4	2	G4	Instrument Shop	1	1	0	55	Gal
56		N/A 64742-88-7 13463-67-7	N/A	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	F	1	4	2	E5	I & C Yard, U 1,2,3 (N)					
60		107-21-1	UN 1171	M	L	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	G4	Instrument Shop	1	1	0	55	Gal
61		7664-93-9	UN 1830	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	R	1	4	2	F4	Battery Room, U 1,2,3	3	0	2	NO WATER	
62		7664-93-9	UN 1830	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	R	1	4	2	F4	Battery Room, U 1,2,3	3	0	2	NO WATER	
63		N/A	N/A	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	D	1	4	2	114	Drum Storage, U 4,5					
64		68476-30-2	UN 1993	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	A	1	4	2	B4	Fuel Oil Tank #1	0	2	0	27500000	Gal
65		68476-30-2	UN 1993	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	A	1	4	2	B6	Fuel Oil Tank #3	0	2	0		

W O R L D ZOO

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S,L,G)	Physical/Health Characteristics F P R A C	Storage Code	Press Code	Temp Code	Fig	Grid	Location Description	NFPA Hazards			Largest Container On-Site	Units
													H	F	R		
66	68476-30-2	UN 1993	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	A	1	4	2	B7	Fuel Oil Tank #5	0	2	0			
68	68476-30-2	UN 1993	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	A	1	4	2	C8	Fuel Oil Tank #6	0	2	0			
69	68476-30-2	UN 1993	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	A	1	4	2	D1	Fuel Oil Tank #8	0	2	0			
70	68476-30-2	UN 1993	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	A	1	4	2	D4	Fuel Oil Tank #2	0	2	0			
71	68476-30-2	UN 1993	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	A	1	4	2	D6	Fuel Oil Tank #4	0	2	0			
72	1309-48-4	N/A	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	D	1	4	2	H3	Fuel Oil Additiv 15, U 6,7				17000	Gal	
80	7644-93-9	UN 1830	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	R	1	4	2	L3	Battery Room, U 6,7	3	0	2	NO WATER		
81	7644-93-9	UN 1830	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	R	1	4	2	G3	Battery Room, U 4,5	3	0	2	NO WATER		

40 03 2 2 03 03 ZOO

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On Site	I. S. W.	Chemical Name/Mixture	Chemical Common Name	Mixture or HAZ Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
83	2,025	Gal	16,800	16,800	365		Not Available	Green Diamond Abrasives (Sandblasting)		
84	500	Cu Ft	25	25	365	S	Helium, compressed	Helium/Nitrogen Nitrogen, compressed	81 19	
85	600	Cu Ft	7	7	365	S	Helium, compressed	Helium	100	
86	500	Cu Ft	25	25	365	S	Helium, compressed	Helium/Argon/Carbon Dioxide Argon, compressed Carbon Dioxide	90 7.5 2.5	
89	45,100	Cu Ft	237	237	365	S	Hydrogen	Hydrogen	100	
91	150	Gal	1,245	415	365	S	Sodium Hypochlorite	Hypochlorite		
92	2,680	Gal	22,350	22,350	365	B	Mineral Oil, Degreasers	Insulating Oil	100	
93	200	Gal	1,670	1,670	365	B	Mineral Oil, Degreasers	Insulating Oil	100	
94	5,380	Gal	40,350	5,380	365	S	Mineral Oil, Degreasers	Insulating Oil	100	

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Press Code	Temp Code	Flg	Grid	Location Description	NEPA Hazards			Largest Container On-Site	Units
													H	F	R		
83	N/A		N/A	M	S	□□□□□	D	1	4	1	H4	Drum Storage, U 4,5					
84		7440-59-7 7727-37-9	UN 1046	M	G	☒☒□□□	L	2	4	2	G2	Warehouse	0	4	0	230	Cu Ft
85		7440-59-7	UN 1046	P	G	☒☒□□□	L	2	4	2	G2	Warehouse	0	4	0	230	Cu Ft
86		7440-59-7 7440-37-1 124-38-9	UN 1046	M	G	☒☒□□□	L	2	4	2	G2	Warehouse	0	4	0	230	Cu Ft
89		1333-74-0	UN 1049	P	G	☒☒□□□	L	2	4	2	H4	Storage Trailer	0	4	0	1380	Cu Ft
91		7681-52-9	UN 1791	M		□□□□□	A					D4 Outfall 001	2	0	0		
92		64741-97-5	UN 1270	M	L	☒□□☒☒	A	1	4	2	E3	Load Center Bank 1 XFO	1	4	0		
93		64741-97-5	UN 1270	M	L	☒□□☒☒	A	1	4	2	E3	RO Bldg Transformer	1	4	0		
94		64741-97-5	UN 1270	M	L	☒□□☒☒	A	1	4	2	E4	Transformer	1	4	0		

--- -- C C C C ZOO

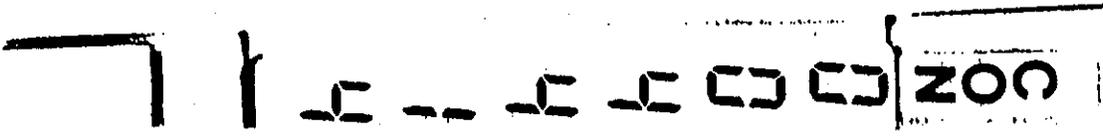
ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L a w	Chemical Name/Mixture	Chemical Common Name	Mixture or Haz Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
95	16,140	Gal	121,050	16,140	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
96	1,200	Gal	9,000	9,000	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
97	2,690	Gal	2,817	2,817	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
98	32,280	Gal	242,100	242,100	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
99	2,070	Gal	17,250	17,250	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
100	5,380	Gal	44,885	44,885	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
101	16,890	Gal	126,675	126,675	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
102	4,260	Gal	31,950	31,950	365	S	Mineral Oil, Degreasers	Insulating Oil	100	

W - E - C - C - C - ZOO

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Press Code	Temp Code	Fig	Grid	Location Description	NFPA Hazards			Largest Container (On Site)	Units
													H	F	R		
95	64741-97-5	UN 1270	M	L	☒☐☐☒☒	A	1	4	2	E4	Transformer	1	4	0			
96	64741-97-5	UN 1270	M	L	☒☐☐☒☒	A	1	4	2	F1	VSD Building - Units 4 & 5	1	4	0			
97	64741-97-5	UN 1270	M	L	☒☐☐☒☒	A	1	4	2	F4	Transformer	1	4	0			
98	64741-97-5	UN 1270	M	L	☒☐☐☒☒	A	1	4	2	F4	Transformer	1	4	0			
99	64741-97-5	UN 1270	M	L	☒☐☐☒☒	A	1	4	2	G4	Transformer	1	4	0			
100	64741-97-5	UN 1270	M	L	☒☐☐☒☒	A	1	4	2	G4	Transformer	1	4	0			
101	64741-97-5	UN 1270	M	L	☒☐☐☒☒	A	1	4	2	G4	Transformer	1	4	0			
102	64741-97-5	UN 1270	M	L	☒☐☐☒☒	A	1	4	2	G8	Oil Circuit Breaker, Switchy	1	4	0			

W - C - C C C ZOO

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L a w	Chemical Name/Mixture	Chemical Common Name	Mixture or Haz Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
103	3,500	Gal	26,250	26,250	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
104	12,400	Gal	92,937	92,937	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
105	1,800	Gal	15,828	1,800	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
106	1,350	Gal	11,263	11,263	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
107	1,600	Gal	13,350	1,600	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
108	1,740	Gal	14,500	14,517	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
109	2,750	Gal	20,400	20,600	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
110	2,048	Gal	17,250	17,250	365	S	Mineral Oil, Degreasers	Insulating Oil	100	
111	2,252	Gal	16,890	16,890	365	S	Mineral Oil, Degreasers	Insulating Oil	100	



Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Pres. Code	Temp. Code	Flg	Grid	Location Description	NFPA Hazards			Ingest. Container On-Site	Units	
													H	F	R			
103		64741-97-5	UN 1270	M	L	☐☐☐☐☐	A	1	4	2	G8	Oil Circuit Breaker, Swtchy	1	4	0			
104		64741-97-5	UN 1270	M	L	☒☐☐☐☐	A	1	4	2	G8	Oil Circuit Breaker, Swtchy	1	4	0			
105		64741-97-5	UN 1270	M	L	☒☐☐☐☐	A	1	4	2	G8	Oil Circuit Breaker, Swtchy	1	4	0			
106		64741-97-5	UN 1270	M	L	☒☐☐☐☐	A	1	4	2	H1	Intake Structure				1	4	0
107		64741-97-5	UN 1270	M	L	☒☐☐☐☐	A	1	4	2	H2	VSD Building - Units 6 & 7				1	4	0
108		64741-97-5	UN 1270	M	L	☒☐☐☐☐	A	1	4	2	H3	Transformer				1	4	0
109		64741-97-5	UN 1270	M	L	☒☐☐☐☐	A	1	4	2	H3	Transformer				1	4	0
110		64741-97-5	UN 1270	M	L	☒☐☐☐☐	A	1	4	2	H4	Transformer				1	4	0
111		64741-97-5	UN 1270	M	L	☒☐☐☐☐	A	1	4	2	H4	Transformer				1	4	0

UN 1270 200

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (F,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Press Code	Temp Code	Flg	Gr4	Location Description	NFPA Hazards			Largest Container On-Site	Units
													H	F	R		
112	64741-97-5	UN 1270	M	L	☒☐☐☒☐	A	1	4	2	13	Start-up Transfr - Unit 6	1	4	0			
113	64741-97-5	UN 1270	M	L	☒☐☐☒☐	A	1	4	2	13	Transformer	1	4	0			
114	64741-97-5	UN 1270	M	L	☒☐☐☒☐	A	1	4	2	13	Transformer	1	4	0			
115	8030-30-4	UN 1256	M	L	☒☐☐☒☐	D	1	4	2		G4 Instrument Shop	1	4	0	55	Gal	
116	8030-30-4	UN 1256	M	L	☒☐☐☒☐	D	1	4	2		G4 Machine Shop	1	4	0	55	Gal	
118	8000-30-4	UN 1223	M	L	☐☐☐☐☒	F	1	4	2		ES I & C Yard, U 1,2,3 (N)	0	2	0	55	Gal	
120	N/A	N/A	M	L	☐☐☐☐☐	E	1	4	2		ES I & C Yard, U 1,2,3 (N)				5	Gal	
121	64742-84-7	UN 1270	M	L	☐☐☐☐☒	A	1	4	2		E4 Auxiliary Tank	0	1	0			

WASTE ZONE

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L a w	Chemical Name/Mixture	Chemical Common Name	Mixture or Haz Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
122	6,000	Gal	50,858	6,000	365	S	Mineral Oil, Lubricating Oil	Lubricating Oil		
124	110	Gal	918	918	365	S	Mineral Oil, Lubricating Oil	Lubricating Oil		
126	1,740	Gal	14,517	14,517	365	S	Mineral Oil, Lubricating Oil	Lubricating Oil		
127	5,000	Gal	41,715	41,715	365	S	Mineral Oil, Lubricating Oil	Lubricating Oil		
128	5,000	Gal	41,715	41,715	365	S	Mineral Oil, Lubricating Oil	Lubricating Oil		
131	4,200	Gal	40,846	40,846	365	S	Mineral Oil, Lubricating Oil	Lubricating Oil		
132	4,200	Gal	35,848	35,848	365	S	Mineral Oil, Lubricating Oil	Lubricating Oil		
133	36,800	Gal	270,000	270,000	365	S	Mineral Oil, Lubricating Oil	Lubricating Oil		
135	7,350	Gal	61,321	61,321	365	S	Mineral Oil, Lubricating Oil	Lubricating Oil		

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Press Code	Temp Code	Hig	Grid	Location Description	NFPA Hazards			Largest Container On-Site	Units
													H	F	R		
122	64742-54-7	UN 1270	M	L	□□□□☑	A	1	4	2	E4	Lube Oil Storage, U 1,2,3	0	1	0			
124	64742-54-7	UN 1270	M	L	□□□□☑	D	1	4	2	F2	Returnable Drum Area	0	1	0			
126	64742-54-7	UN 1270	M	L	□□□□☑	D	1	4	2	F4	Inc Turbine L.O Res, U 1,2,	0	1	0			
127	64742-54-7	UN 1270	M	L	□□□□☑	C	1	4	2	F4	Unit 1 - Lube Oil Reservoir	0	1	0			
128	64742-54-7	UN 1270	M	L	□□□□☑	C	1	4	2	F4	Unit 2 - Lube Oil Reservoir	0	1	0			
131	64742-54-7	UN 1270	M	L	□□□□☑	C	1	4	2	G4	Unit 4 - Lube Oil Reservoir	0	1	0			
132	64742-54-7	UN 1270	M	L	□□□□☑	C	1	4	2	G4	Unit 4 - Lube Oil Reservoir	0	1	0			
133	64742-54-7	UN 1270	M	L	□□□□☑	A	1	4	2	H4	Lube Oil Storage, U 4,5	0	1	0			
135	64742-54-7	UN 1270	M	L	□□□□☑	A	1	4	2	I3	Unit 6 - Lube Oil Reservoir	0	1	0	18000	Gal	

W - C - C - C - C - ZOO

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	I. a. w.	Chemical Name/Mixture	Chemical Common Name	Mixture or Haz Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
136	7,350	Gal	61,321	7,350	365	S	Mineral Oil, Lubricating Oil	Lubricating Oil		
137	5,000	lbs	2,000	2,000	365	S	Diatomaceous Earth	Manville Celite Diatomaceous Silica	100	
139	55	Gal	460	460	365	S	Glycerin	McKeason Glycerin Technical Grade		
145	220	Gal	1,836	450	365	S	Mineral Oil, Hydraulic/Brake Fluid	Mobil AERO HFA Aviation Hydraulic Fluid		
148	110	Gal	920	468	365	S	Mineral Oil, Hydraulic/Brake Fluid	Mobil DTE 25 Hydraulic Oil		
149	55	Gal	440	440	365	S	Mineral Oil, Lubricating Oil	Mobil DTE 797 Steam Turbine Oil	90	
151	165	Gal	1,377	1,377	365	S	Mineral Oil, Lubricating Oil	Mobil DTE Extra Heavy Lubricating Oil		
155	2,475	Gal	20,400	20,400	365	S	Mineral Oil, Lubricating Oil	Mobil DTE Heavy Medium Lubricating Oil		



ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	I. a w	Chemical Name/Mixture	Chemical Common Name	Mixture or Haz Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
156	110	Gal	918	918	365	S	Mineral Oil, Lubricating Oil	Mobil DTE Heavy Medium Lubricating Oil		
159	55	Gal	460	460	365	S	Mineral Oil, Lubricating Oil	Mobil DTE Oil Extra Heavy ISO VG 150		
160	55	Gal	460	460	365	S	Mineral Oil, Lubricating Oil	Mobil DTE Oil Extra Heavy ISO VG 150		
165	110	Gal	918	110	365	S	Mineral Oil, Hydraulic/Brake Fluid	MOBIL JET OIL II		
167	220	Gal	1,835	1,835	365	S	Mineral Oil, Lubricating Oil	Mobil Mobilgear 627 Lubricating Oil ISO VG 100		
169	55	Gal	460	460	365	S	Mineral Oil, Lubricating Oil	Mobil Mobilgear 632 Lubricating Oil ISO VG 300		
172	110	Gal	918	460	365	S	Mineral Oil, Lubricating Oil	Mobil Mobilgear 634 Lubricating Oil		
180	55	Gal	460	460	365	S	Mineral Oil	Mobil Therm		
182	6,000	Cu Ft	720	500	365	S	Nitrogen, compressed	Calibration Gas Mixture		80
								Carbon Dioxide		10
								Oxygen, compressed		10

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Pres Code	Temp Code	Hq	Grid	Location Description	NEPA Hazards			Largest Container On-Site	Units
													H	F	R		
156	64742-54-7	UN 1270	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	G4	Machine Shop	0	1	0	55	Gal	
157	64742-54-7	UN 1270	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	G4	Machine Shop	0	1	0	55	Gal	
160	64742-54-7	UN 1270	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	H4	Haz Mat Stor Area, U 4,5	0	1	0	55	Gal	
165	64742-52-5	UN 1270	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	A	1	4	2	F4	Lube Oil Storage, Mobile G	0	1	0	55	Gal	
167	64742-54-7	UN 1270	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	H4	Haz Mat Stor Area, U 4,5	0	1	0	55	Gal	
169	64742-54-7	UN 1270	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	H4	Haz Mat Stor Area, U 4,5	0	1	0	55	Gal	
171	64742-54-7	UN 1270	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	G4	Machine Shop	0	1	0			
180	8012-95-1	UN 1270	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	H4	Haz Mat Stor Area, U 4,5	0	1	0	55	Gal	
182	7727-37-9 124-38-9 7782-44-7	UN 1044	M	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	2	4	2	G2	Warehouse	0	3	0	230	Cu Ft	

W W C C C C Z O O

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L S W	Chemical Name/Mixture	Chemical Common Name	Mixture or Haz Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
183	7,500	Cu Ft	625	500	365	S	Nitrogen, compressed	Calibration Gas Mixture Carbon Dioxide Oxygen, compressed	88 10 2	
184	400	Gal	3,320	880	365	S	Aluminum Chloride, anhydrous	NALCO 7157	20	
185	400	Gal	3,320	3,320	365		Not Available	NALCO 7280 Membrane Antifoulant		
186	400	Gal	3,320	1,328	365		Not Available	NALCO 7768 Hydrotreated Light Distillate		
187	75	Gal	625	625	365	S	Sodium Hydroxide, solution	NALCO 8325	5	
188	75	Gal	625	50	365	S	Sodium Hydroxide, solution	NALCO 8325 Nitrite Solution	5	
189	75	Gal	625	365	365	S	Sodium Hydroxide, solution	NALCO 8325 Nitrite Solution	5	
190	75	Gal	625	625	365	S	Sodium Hydroxide, solution	NALCO 8325 Nitrite Solution	5	

1 2 3 4 5 6 7 8 9 0 Z O O

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S,L,G)	Physical/Health Characteristics F P R A C	Storage Code	Pres Code	Temp Code	Hq	Grid	Location Description	NFPA Hazards			Largest Container On Site	Units	
													H	F	R			
183		7727-37-9 124-38-9 7782-44-7	UN 1066	M	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	1	4	2	G3	Warehouse	0	3	0	150	Cu Ft	
184		7446-70-0	UN 1726	M		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	A	1	4	2	B1	NALCO Tanks, WWTS	3	0	2	NO WATER	6500	Gal
185	N/A	N/A	N/A	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	1	4	2	E3	Anti-Foulant Tank					400	Gal
186		N/A 64742-47-8	N/A	M		<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	A	1	4	2	B1	NALCO Tanks, WWTS					400	Gal
187		1310-73-2	UN 1824	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	D	1	4	2	F4	Welding Shop	3	0	2			
188		1310-73-2	UN 1824	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	D	1	4	2	H3	Power Plant Floor, U 6	3	0	2			
189		1310-73-2	UN 1824	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	D	1	4	2	H3	Power Plant Floor, U 6	3	0	2			
190		1310-73-2	UN 1824	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	A	1	4	2	I3	Unit 6,7 Area	3	0	2			

UNIVERSITY OF CALIFORNIA

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L. H. W.	Chemical Name/Mixture	Chemical Common Name	Mixture or	If a Waste,
									Haz Waste Composition %	Estimated Annual Amount (lbs)
192	400	Gal	3,320	337	365	S	Carbohydrazide	NALCO Eliminator Oxygen Scavenger		
193	55	Gal	460	460	365	S	Polyoxyethylene Nonyl Phenyl Ether	NALCO Nalclear 7769 Flocculant		
194	600	Gal	5,000	440	365	S	Sodium Chloride	NALCO Nalclyte 7134 Coagulant	20	
196	110	Gal	790	790	365	S	Naphtha, solvent	Naphtha		100
197	70	Gal	585	583	365	S	Petroleum Oil	National Chemsearch "High Cure" Chain & Cable Con		
201	55	Gal	440	440	365	S	Antifreeze	National Chemsearch ND-150		
202	110	Gal	918	918	365	S	Antifreeze	National Chemsearch ND-150		
203	100	Gal	835	835	365	S	Perchloroethylene	National Chemsearch NDK Heavy Duty Cleaner		
204	55	Gal	440	440	365	S	Mineral Oil, Degreasers	National Chemsearch ORME		

07 02 2000

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Pres Code	Temp Code	Hq	Grid	Location Description	NFPA Hazards			Largest Container On-Site	Units
													H	F	R		
192	497-18-7	N/A	M	L	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	A	1	4	2	13	Unit 6,7 Area	2	1	0	200	Gal	
193	9016-45-9	N/A	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	A	1	4	2	G3	BWWMS	0	1	0	55	Gal	
194	7647-14-5	N/A	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	D	1	4	2	D3	NALCO Tank	1	1	0	600	Gal	
196	8030-30-6	UN 1256	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	D	1	4	2	E5	I & C Yard, U1,2,3(N)	1	4	0	55	Gal	
197	64741-88-4	UN 1270	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	D	1	4	2	G4	Machlee Shop	1	1	0	55	Gal	
201	107-21-1	UN 1171	M	L	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	G4	Instrument Shop	1	1	0	55	Gal	
202	107-21-1	UN 1171	M	L	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	G4	Machlee Shop	1	1	0	55	Gal	
203	127-18-4	UN 1897	M	L	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	F	1	4	2	H3	Quonset Hut	2	0	0			
204	64741-97-5	UN 1270	M	L	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	D	1	4	2	G4	Instrument Shop	1	4	0	55	Gal	

WASTE CO ZOO

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On Site	Hazard	Chemical Name/Mixture	Chemical Common Name	Mixture or Haz Waste Composition %	Haz Waste, Estimated Annual Amount (lbs)
205	60	Gal	500	290	365	S	Mineral Oil, Degreasers	National Chemsearch PD631 Parts Cleaner		
206	55	Gal	460	460	365	S	Mineral Oil, Degreasers	National Chemsearch SS-25 Solvent Degreaser		
207	55	Gal	460	460	365	S	Mineral Oil, Degreasers	National Chemsearch Volta Super Safety Solvent		
210	230	Cu Ft	17	17	365	S	Nitrogen, compressed	Nitrogen	100	
211	230	Cu Ft	18	8	365	S	Nitrogen, compressed	Nitrogen	100	
212	230	Cu Ft	18	8	365	S	Nitrogen, compressed	Nitrogen	100	
213	230	Cu Ft	18	18	365	S	Nitrogen, compressed	Nitrogen	100	
214	230	Cu Ft	18	8	365	S	Nitrogen, compressed	Nitrogen	100	

COULD BE USED

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L a w	Chemical Name/Mixture	Chemical Common Name	Mixture or	If a Waste,
									Haz Waste Composition %	Estimated Annual Amount (lbs)
215	8,050	Cu Ft	624	624	365	S	Nitrogen, compressed	Nitrogen	100	
216	1,692	Cu Ft	132	100	365	S	Nitrogen, compressed	Nitrogen	100	
217	460	Cu Ft	36	36	365	S	Nitrogen, compressed	Nitrogen	100	
218	460	Cu Ft	36	36	365	S	Nitrogen, compressed	Nitrogen	100	
219	230	Cu Ft	18	12	365	S	Nitrogen, compressed	Nitrogen	100	
220	230	Cu Ft	18	8	365	S	Nitrogen, compressed	Nitrogen	100	
221	230	Cu Ft	18	8	365	S	Nitrogen, compressed	Nitrogen	100	
222	460	Cu Ft	36	36	365	S	Nitrogen, compressed	Nitrogen	100	
223	230	Cu Ft	18	8	365	S	Nitrogen, compressed	Nitrogen	100	

1 [03 W E C 03 03] 200

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/ Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Press Code	Temp Code	Fig	Grid	Location Description	NFPA Hazards			Largest Container On-Site	Units
													H	F	R		
215	7727-37-9	UN 1066	P	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	2	4	1	F7	Control House, Switchhyd	0	3	0	230	Cu Ft	
216	7727-37-9	UN 1066	P	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	2	4	2	G2	Warehouse	0	3	0			
217	7727-37-9	UN 1066	P	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	1	4	2	G3	7 Bir CEMS	0	3	0			
218	7727-37-9	UN 1066	P	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	1	4	2	G3	8 Bir CEMS	0	3	0			
219	7727-37-9	UN 1066	P	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	2	4	2	G4	Transformer	0	3	0			
220	7727-37-9	UN 1066	P	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	2	4	2	G4	Transformer	0	3	0			
221	7727-37-9	UN 1066	P	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	2	4	2	G4	Cylinder Stor Area, U4.5	0	3	0			
222	7727-37-9	UN 1066	P	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	1	4	2	H3	9 Bir CEMS	0	3	0			
223	7727-37-9	UN 1066	P	G	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	L	2	4	2	H4	Transformer	0	3	0			

W E C O ZOO

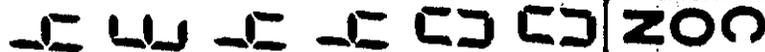
ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L a w	Chemical Name/Mixture	Chemical Common Name	Mixture or Max Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
224	230	Cu Ft	18	8	365	S	Nitrogen, compressed	Nitrogen	100	
225	230	Cu Ft	18	18	365	S	Nitrogen, compressed	Nitrogen	100	
226	460	Cu Ft	36	36	365	S	Nitrogen, compressed	Nitrogen	100	
227	460	Cu Ft	36	36	365	S	Nitrogen Dioxide	Nitrogen Dioxide	99	
228	460	Cu Ft	36	36	365	S	Nitrogen Dioxide	Nitrogen Dioxide	99	
229	460	Cu Ft	36	36	365	S	Nitrogen Dioxide	Nitrogen Dioxide	99	
230	460	Cu Ft	36	36	365	S	Nitrogen Dioxide	Nitrogen Dioxide	99	
231	230	Cu Ft	18	8	365	M	Nitrogen, compressed	Nitrogen/Oxygen/Carbon Dioxide Carbon Dioxide Oxygen, compressed	80 10 10	

1 [www.e-c-c-zoo]

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S,L,G)	Physical/Health Characteristics F P R A C	Storage Code	Pres Code	Temp Code	Fig	Grid	Location Description	NFPA Hazards			Largest Container On Site	Units
													H	F	R		
224	7727-37-9	UN 1066	P	G	☒☒☒☒☒	A	1	4	1	12	Start-up Transfr - Unit 7	0	3	0			
225	7727-37-9	UN 1066	P	G	☒☒☒☒☒	L	2	4	2	13	Unit 6,7 Area	0	3	0			
226	7727-37-9	UN 1066	P	G	☒☒☒☒☒	L	1	4	2	13	10 Bir CEMS	0	3	0			
227	10102-44-0	UN 1066	M	G	☒☒☒☒☒	L	1	4	2	G3	7 Bir CEMS	1	0	0	230	CUB	
228	10102-44-0	UN 1066	M	G	☒☒☒☒☒	L	1	4	2	G3	8 Bir CEMS	1	0	0			
229	10102-44-0	UN 1066	M	G	☒☒☒☒☒	L	1	4	2	H3	9 Bir CEMS	1	0	0			
230	10102-44-0	UN 1066	M	G	☒☒☒☒☒	L	1	4	2	13	10 Bir CEMS	1	0	0			
231	7727-37-9 124-38-9 7782-44-7	UN 1066	M	G	☒☒☒☒☒	L	1	4	2	G4	Cylinder Stor Area, U 4,5	0	3	0	230	CUB	

WWW.ECOZON

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L. #	Chemical Name/Mixture	Chemical Common Name	Mixture or Haz Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
232	500	Gal	1,400	1,400	365	S	Sodium Hydroxide, solution	Occidental Oxychem Caustic Soda	100	
240	55	Gal	460	460	365		Not Available	Poly Liquid Power Safe Steam Cleaner		
241	165	Gal	1,375	450	365	S	Mineral Oil, Degreasers	Poly Power Plus Degreaser		
244	603	lbs	662	662	365		Not Available	Pyro Mineral 041 Bemis Anti Skid 882 Silica Sand		
245	55	Gal	460	250	365	S	Petroleum Spirits	Ranco Attack Organic Degreaser		
246	55	Gal	460	460	365	S	Petroleum Spirits	Ranco Citra Super Parts Degreaser		
247	600	lbs	600	600	365		Not Available	Whose Poulenc Lite Soda Ash		
248	55	Gal	460	460	365	S	Mineral Oil	Ridge Tool Dark Thread Cutting Oil		
250	690	Cu Ft	35	35	365	S	Sulfur Hexafluoride	SF6 Gas	100	



Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics						Storage Code	Pres Code	Temp Code	Flg	Grid	Location Description	NFPA Hazards			Largest Container On Site	Units
						F	P	R	A	C	H							F	R	Specific		
232	1310-73-2	UN 1824	M	S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	J	1	4	2	F3	Boiler Chemical Stor Area	3	0	2	100	Lbs		
240	N/A	N/A	M	L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D	1	4	2	G4	Machine Shop				55	Gal		
241	64741-97-5	UN 1270	M	L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	D	1	4	2	G4	Machine Shop	1	4	0	55	Gal		
244	N/A	N/A	M	S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	D	1	4	2	H4	Drum Storage, U 4.5							
245	64475-85-0	UN 1271	M	L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	D	1	4	2	E5	I & C Yard, U 1,2,3 (N)	1	4	0	55	Gal		
246	64475-85-0	UN 1271	M	L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	D	1	4	2	G4	Machine Shop	1	4	0	55	Gal		
247	N/A	N/A	M	S	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	J	1	4	2	F3	Boiler Chemical Stor Area				50	Lbs		
248	8013-95-1	UN 1270	M	L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	V	1	4	2	G4	Machine Shop	0	1	0	55	Gal		
250	2551-42-4	UN 1800	M	G	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	L	1	4	2	F7	Electrical Wksh, Swtchyd	1	0	0				

UNIVERSITY OF CALIFORNIA ZOO

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L S W	Chemical Name/Mixture	Chemical Common Name	Mixture or Haz Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
251	3,200	Cu Ft	1,300	1,300	365	S	Sulfur Hexafluoride	SF6 Gas	100	
262	220	Gal	220	220	365	S	Antifreeze	Shell Shellzone All-season Antifreeze	98	
264	110	Gal	918	110	365	S	Mineral Oil, Lubricating Oil	Shell Turbo(R) T Oil 32	100	
266	15,000	Gal	125,100	10,130	365	S	Sodium Hydroxide, solution	Sodium Hydroxide, Liquid	50	
267	500	Gal	4,171	3,735	365	S	Sodium Hydroxide, solution	Sodium Hydroxide, Liquid	50	
268	200	Gal	1,470	1,470	365	N	Sodium Hydroxide, solution	Sodium Hydroxide, Liquid	50	
269	550	Gal	4,560	4,560	365	B	Sodium Hypochlorite	Sodium Hypochlorite Solution	12.5	
270	500	Gal	1,500	1,500	365	S	Tri-sodium Phosphate	Sodium Phosphate	100	

1 1 on W C C C C C 200

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	E. a w	Chemical Name/Mixture	Chemical Common Name	Mixture or Has Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
277	2,000	Gal	30,720	4,980	365	B	Sulfuric Acid	Sulfuric Acid	15	
278	240	Gal	2,040	2,040	365	B	Sulfuric Acid	Sulfuric Acid	37.5	
279	150	Gal	2,300	2,300	365	B	Sulfuric Acid	Sulfuric Acid	37.5	
281	6,000	Gal	10,800	10,800	365	B	Sulfuric Acid	Sulfuric Acid	15	
293	110	Gal	917	150	365	S	Latex Paint and Water	Waste Latex Paint		1,455
295	9,500	Gal	44,000	42,000	365	B	Mineral Oil, Lubricating Oil	Waste Oil Petroleum Oil	80 20	400,000
297	720	Gal	6,000	50	365	S	Latex Paint and Water	Waste Paint and Water		9,000
300	55	Gal	460	100	365	S	Laboratory Solution Waste, Acidic	Waste Laboratory Solutions, Routine Analysis		1,000
301	220	Gal	1,835	1,835	365	B	Petroleum Oil	Weslube Industrial Oil BAE 40		

CO W E C C C ZOO

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Pres Code	Temp Code	Fig	Grid	Location Description	NFPA Hazards			Largest Container On-Site	Units	
													H	F	R			Specific
277	7664-93-9		UN 1830	M	L	□□□☒□	A	1	4	2	E2	Acid Tank	3	0	2	NO WATER		
278	7664-93-9		UN 1830	M	L	□□□☒□	R	1	4	2	F3	Telecom Room, U1,2,3	3	0	2	NO WATER		
279	7664-93-9		UN 1830	M	L	□□□☒□	R	1	4	2	F7	Control House, Switchyd	3	0	2	NO WATER		
281	7664-93-9		UN 1830	M	L	□□□☒□	A	1	4	2	E3	Acid Tank	3	0	2	NO WATER	4000	Gal
293	291	CCPP-11W-11 N/A		M	L	□□□☒□	D	1	4	2	E5	1 & C Yard, U1,2,3(N)					55	Gal
295	221	64742-54-7 8002-03-9	UN 1270	M	L	□□□☒□	D	1	4	2	B1	Waste Oil Storage Tank	0	1	0			
297	461	CCPP-11W-11 N/A		M	L	□□□☒□	D	1	4	2	E5	1 & C Yard, U1,2,3(N)					55	Gal
300	132	CCPP-11W-10	UN 1760	M	L	□□□☒□	I	1	4	2	C1	Lab Waste Accum, NO Bldg					55	Gal
301		64741-88-4	UN 1270	M	L	☒□□☒□	D	1	4	2	H4	Haz Mat Stor Area, U4,5	1	1	0		55	Gal

LOW-C-C-C-ZOO

Entry #	California Waste Code	Chemical Abstract Service # (CAS)	DOT #	Pure/Mixture (P,M)	Physical State (S, L, G)	Physical/Health Characteristics F P R A C	Storage Code	Press Code	Temp Code	Fig	Grid	Location Description	NFPA Hazards			Largest Container On-Site	Units
													H	F	R		
302	64741-88-4	UN 1270	M	L	☒☐☐☒☐	D	1	4	2	G4	Electrical Shop	1	1	0	55	Gal	
303	64741-88-4	UN 1270	M	L	☒☐☐☒☐	D	1	4	2	H4	Drum Storage, U 4.5	1	1	0			
304	64741-88-4	UN 1270	M	L	☒☐☐☒☐	D	1	4	2	H4	Hex Mat Stor Area, U 4.5	1	1	0			
305	64741-88-4	UN 1270	M	L	☒☐☐☒☐	D	1	4	2	H4	Drum Storage, U 4.5	1	1	0			
306	913	CCPP-Cont-1	UN 1990	M	S	☒☐☐☒☐	D	1	4	2	H4	Hex Mat Stor Area, U 4.5				55	Gal
307	913	CCPP-Cont-1	UN 1990	M	S	☒☐☐☒☐	D	1	4	2	E5	I & C Yard, U 1,2,3 (N)				0	
309	214	CCPP-Solv-3	NA 1993	M	L	☒☐☐☒☒	D	1	4	2	G4	Machlne Shop				55	Gal
315	64741-59-9	UN 1270	P	L	☒☐☐☒☒	A	1	4	2	E9	Cutter Stock Tank	0	2	0	840000	Gal	

1 [_ _ _ _ _] ZOO

ENTRY #	Max Amount at Any One Time	Units	Max Amount at Any One Time (lbs)	Ave Daily Amount (lbs)	# Days On-Site	L n w	Chemical Name/Mixture	Chemical Common Name	Mixture or Haz Waste Composition %	If a Waste, Estimated Annual Amount (lbs)
316	110	Gal	918	918	365	S	Perchloroethylene	Chemsearch SS-15	0 0	0
317	690	Cu Ft	54	54	365	S	Carbon Monoxide	Carbon Monoxide	0 0	0
318	1,400	Gal	1,200	1,200	365	S	Sodium Hypochlorite	Sodium Hypochlorite	0 0	0
319	400	Gal	3,600	3,600	365	S	Aluminum Chloride, anhydrous	NALCO 7157	0 0	0
320	6,500	Gal	59,500	59,500	365	S	Aluminum Chloride, anhydrous	NALCO 7157	0 0	0
321	310	Gal	2,800	2,800	365	S	Sodium Nitrite	Calgon MCB Plus II	0 0	0
Total (lbs)			194,295,570							

1 [2 3 4 5 6 7] 200

