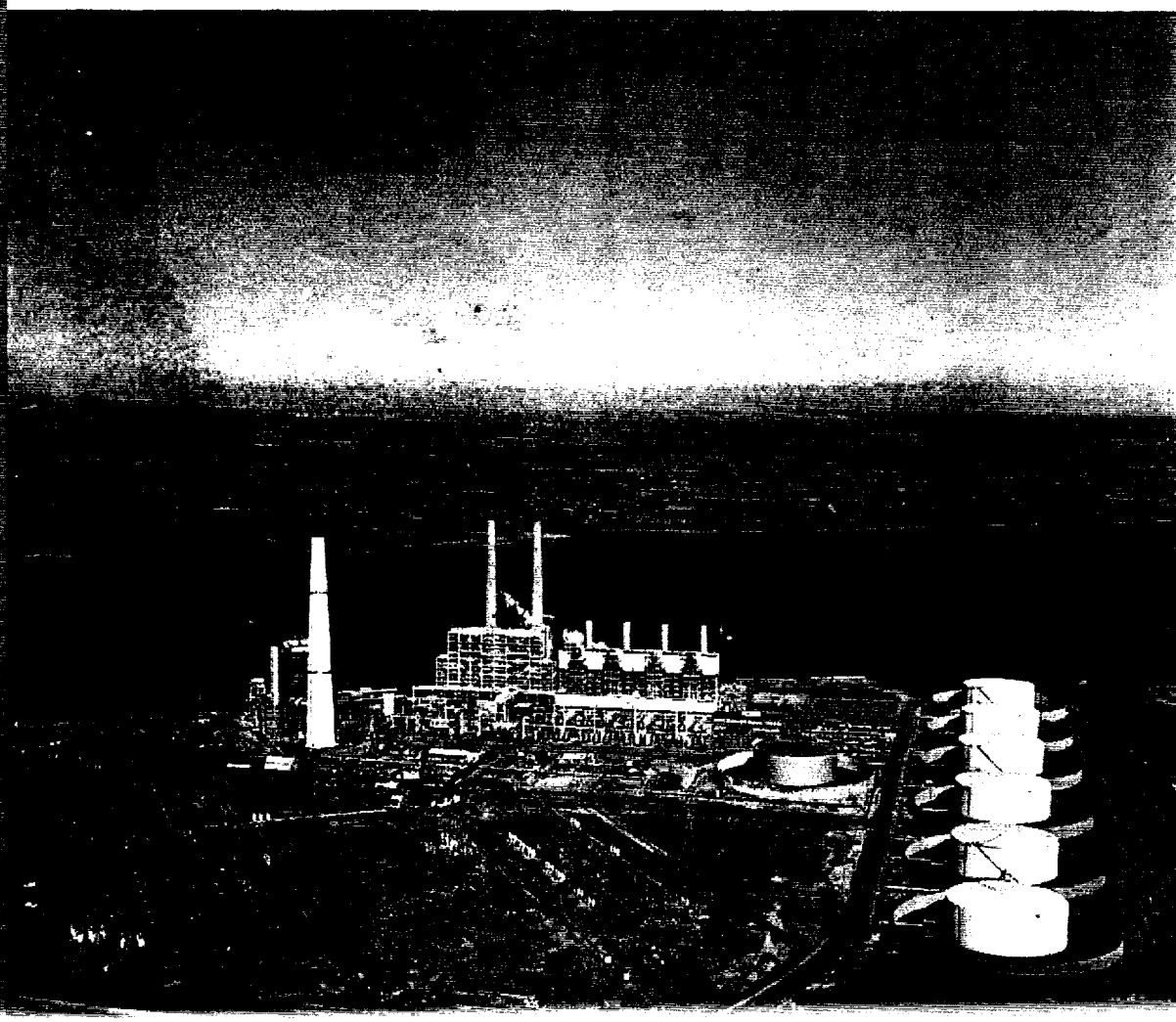
CDM Camp Dresser & McKee

Phase I ESA

PG&E Pacific Gas and Electric Company

Phase I Environmental Site Assessment

Pittsburg Power Plant
Pittsburg, California



October 23, 1997 **File #: 001.3-97.8**

Ms. Cheryl W. Mason, Esq.
O'MELVENY & MYERS LLP
Embarcadero Center West
275 Battery Street
San Francisco, California 94111-3305

Dear Cheryl:

Enclosed for your use is the final Camp Dresser & McKee Inc. Phase I Environmental Site Assessment for Pittsburg Power Plant.

Please call me if you have any questions or comments.

Sincerely,

Korbin D. Creek
Senior Environmental Engineer

KDC(251-5882):eah
971460/28681C/ks229w

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John W. Busterud, Esq.
David L. Delgado, ZIA Information Analysis Group (5 copies)
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October 23, 1997 **File #: 001.3-97.9**

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Dear Cheryl:

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CDM Camp Dresser & McKee

Pacific Gas and Electric Company

Phase I Environmental Site Assessment
Pittsburg Power Plant
696 West 10th Street
Pittsburg, California

October 1997

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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 (Phase I ESA) of its Pittsburg Power Plant (Plant) located on approximately 2,100 acres of land at 696 West 10th Street, Pittsburg, California (also referred to as the "site") (see Figure 1-1, Plant Overview). The 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 conditions[1] at the Plant. The results of the Phase I ESA were based upon information provided to CDM by PG&E personnel knowledgeable of operations at the Plant, information provided by regulatory agency personnel through interviews and review of pertinent historical documents by CDM, and observations of specific environmental conditions at the Plant made by CDM during CDM's walkthrough conducted on June 4 and 5, 1996, and June 25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 substances, polychlorinated biphenyls, asbestos-containing materials, 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, the following material recognized environmental conditions[2] at the Plant were identified:

Fuel Tank Farm

1. Interviews with Plant personnel and review of PG&E documents revealed the following information:

   According to Mr. Dave Pitner, Operating Foreman at the Plant, an aboveground No. 6 fuel oil supply pipeline between Tanks 15 and 16 ruptured one evening prior to 1990 and released fuel oil throughout the night before it was discovered. The fuel oil reportedly flowed into a branch of Willow Creek adjacent to the main gate. Mr. Pitner did not recall the volume of the oil

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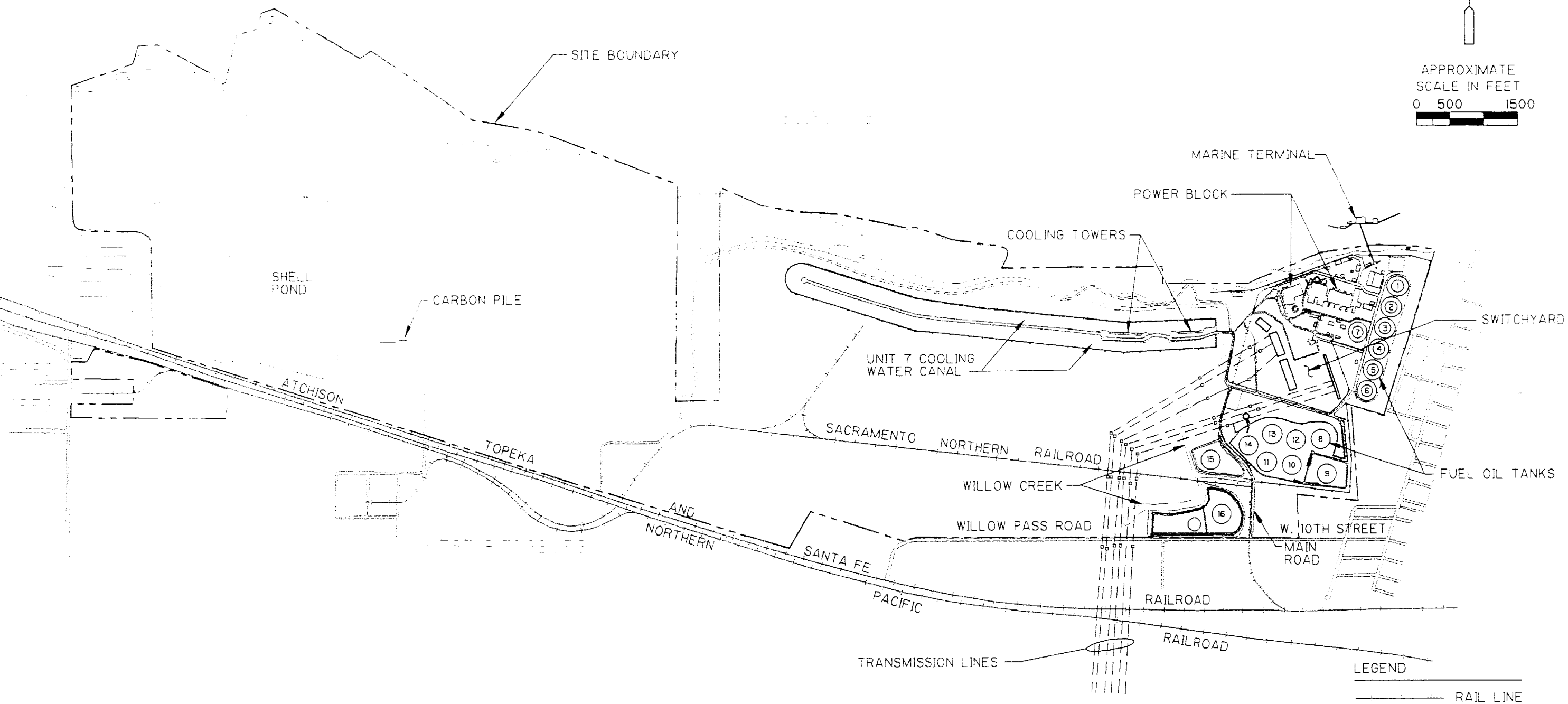
[1] As used in ASTM E1527-94, "recognized environmental conditions" means the following:

"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.



PACIFIC GAS AND ELECTRIC COMPANY
PITTSBURG POWER PLANT

PLANT OVERVIEW

released or when the release occurred. The release was reportedly cleaned up and impacted soil was removed. Mr. Pitner indicated that several smaller releases of oil had occurred in the past to this waterway; however, he did not recall specific details of the past releases. No documentation exists regarding any remedial efforts to clean up these releases.

According to a memorandum dated October 24, 1985, from September 30 to October 7, 1985, approximately 300 cubic yards of oil-impacted soil were removed from within a concrete curbed area north of the railroad tracks between Tanks 15 and 16 (PG&E, 1985a). The soil was characterized as hazardous waste and was removed as part of a fuel oil pipeline rerouting project. Because it is unknown if all contaminated soil was removed from this area, the potential exists that residual oil-impacted soil is present in this area.

According to a memorandum dated February 25, 1986, approximately one barrel of displacement oil was inadvertently released from an open vent valve on the 12-inch fuel oil header near Tank 15 (PG&E, 1986a). According to the memorandum, the area inside the Tank 15 secondary containment was cleaned up. The area outside the Tank 15 secondary containment was to be cleaned up when Willow Creek receded to allow access. Because no records of the cleanup outside of the Tank 15 containment basin were available from PG&E or the regulatory agencies, it is unknown if this release was remediated.

According to Mr. Bob Gossard, Supervising Environmental Specialist, in the late 1970s or early 1980s, an underground No. 6 fuel oil pipeline failed in the vicinity of the railroad tracks between Tanks 15 and 16. As a result, fuel oil was released to Willow Creek. Although the release was reportedly cleaned up and the impacted soil was removed, no documentation exists to confirm that the impacted area was remediated.

Non-Operational Area

2. The "Shell Pond" and "Carbon Pile" have hydrocarbon, metals, pesticides, and solvent contamination (PEG, 1997 and PG&E, 1996a). Although the areal extent of contamination and the environmental risk have been documented, the remedial measures will need to be established and implemented.

Power Generation and Operations Area

3. According to Mr. Gossard, a former underground boiler chemical cleaning wastewater pipeline ruptured on at least two occasions in the late 1980s. Because the pipeline conveyed hazardous wastes from boiler cleaning operations to the surface impoundments, releases from this pipeline may have adversely impacted 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.

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). 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, including an assessment of 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 material 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 power Plant, including PG&E personnel and local government officials, where applicable. These personnel included:

- Key operation staff of the Plant (see Section 5.0, Results of Site Reconnaissance, Records Review, and Interviews).

- Regulatory government officials from:
  - California Department of Toxic Substances Control (DTSC)
  - U.S. Environmental Protection Agency (USEPA Region IX)
  - San Francisco Bay Regional Water Quality Control Board (RWQCB)
  - Contra Costa County Health Services Department (CCCHSD).

2.3 Limitations and Exceptions of 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

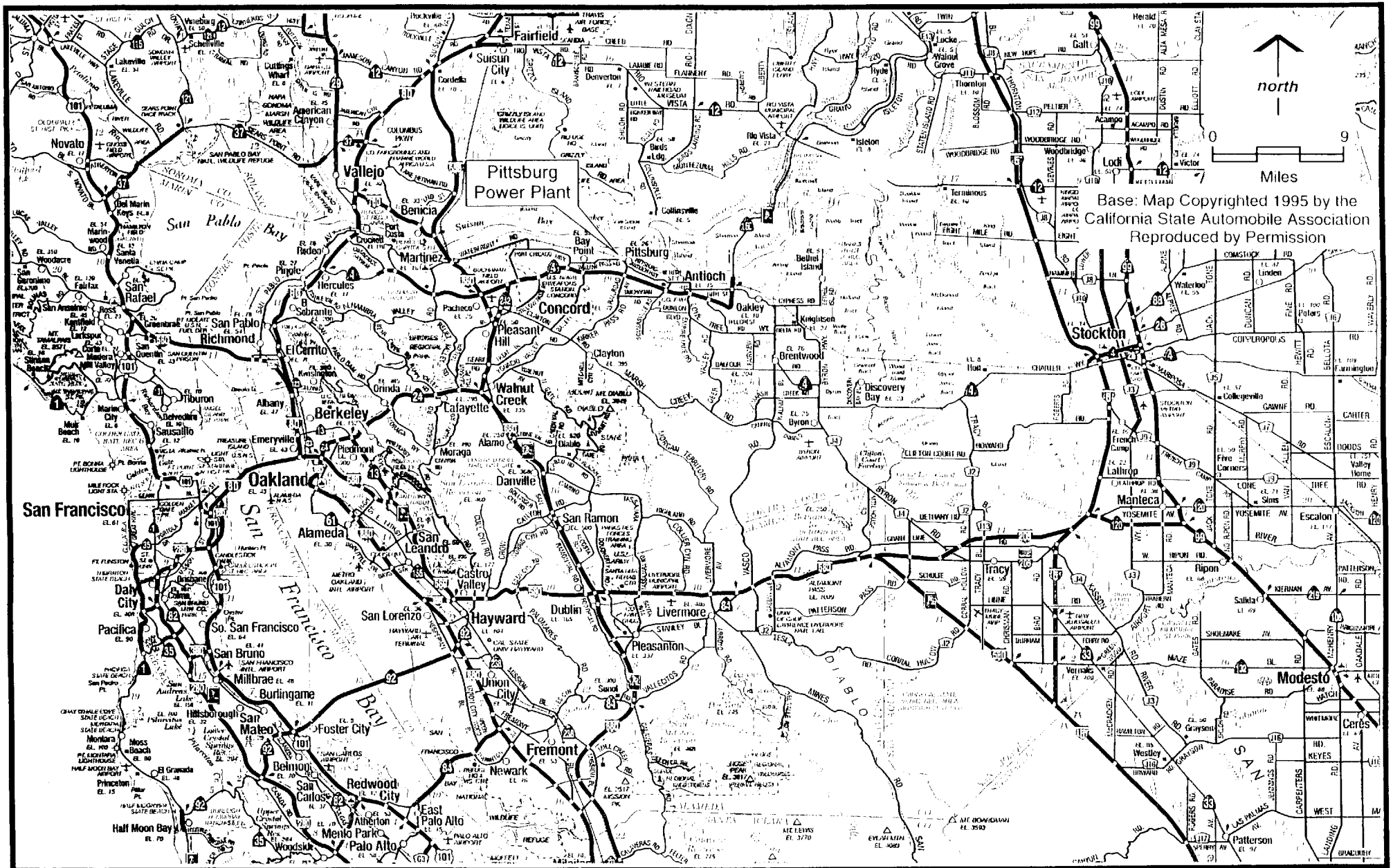
The PG&E Pittsburg Power Plant is located at 696 West 10th Street, on the western border of the City of Pittsburg in Contra Costa County, California, along the southern shore of the Suisun Bay (see Figure 3-1, Site Location Map and Photograph 1). The subject property occupies approximately 2,100 acres of relatively flat land in Township 2 North, Range 1 East and Range 1 West, as depicted on the United States Geologic Survey (USGS) 7.5 Minute Quadrangle map of Honker Bay, California. Plant operations are primarily conducted on a 280-acre parcel located in the eastern portion of the site. The remainder of the site is mostly unused, low-lying tidal marsh lands (see Figure 3-2, Site Vicinity and Surrounding Properties, and Figure 3-3, 1992 Plant Aerial Photograph).

3.2 Description of Operations

The Plant is a steam electric generation facility that uses natural gas or fuel oil to charge seven 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 interconnected and where the power system voltage is changed to the level of the interconnected system by transformers.

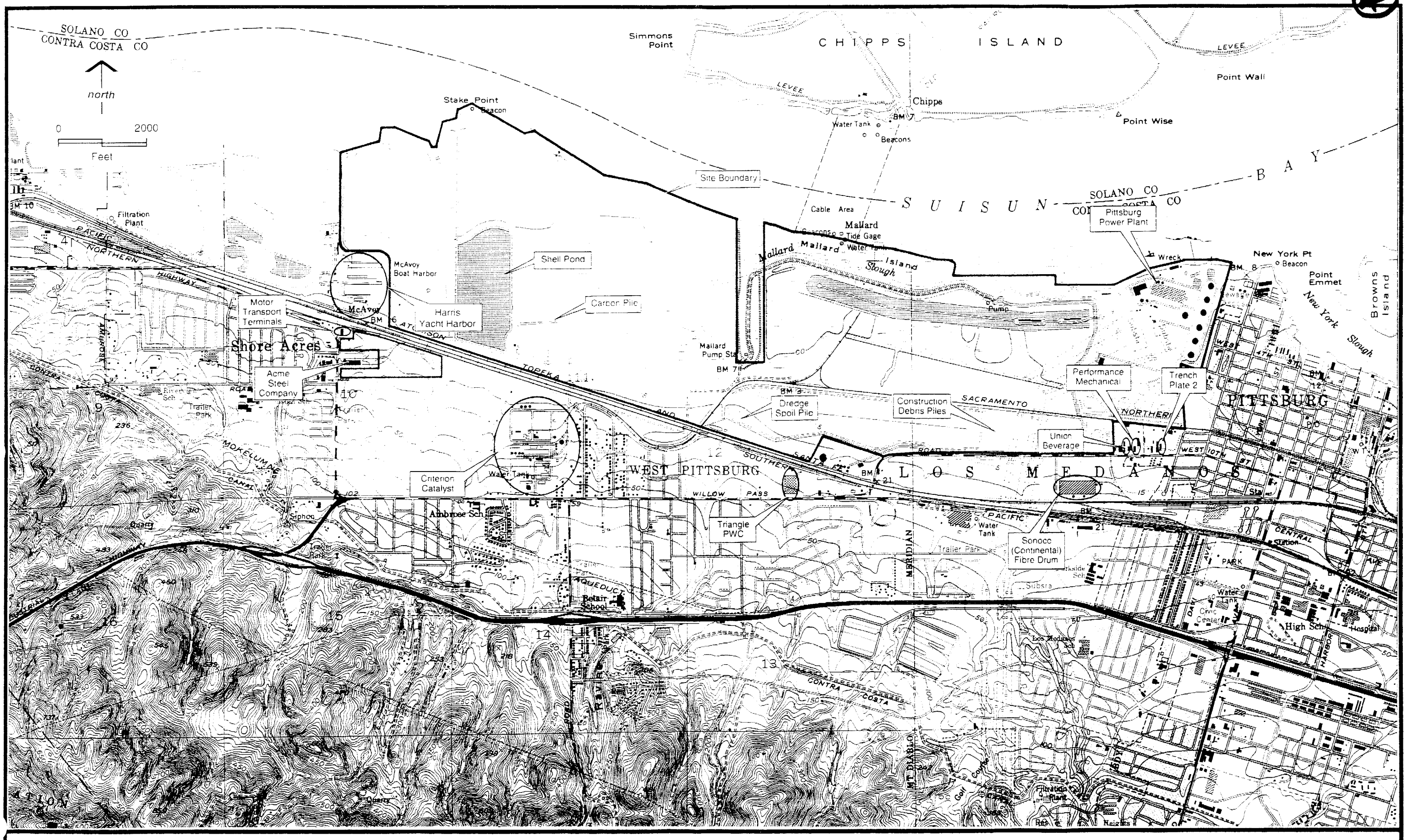
The Plant cooling system uses "once through" cooling water drawn through intake structures from Suisun Bay for Units 1 through 6, as well as cooling water drawn from a cooling water canal for use at Unit 7 only (see Figure 3-4, Stormwater, Wastewater, and Process Water Flow Schematic). Cooling water circulates through condenser tubes that cool the steam used to rotate the turbines. The cooling water is then returned to Suisun Bay and the cooling water canal for Units 1 through 6 and Unit 7, respectively. The steam condensate is returned to the boilers to be reused as steam. Part of this condensate is bled off for cleaning and startup purposes and piped to the boiler blowdown tank. This condensate is hereafter referred to as boiler blowdown.

A regular use of hazardous materials and generation of hazardous waste involves the periodic acid cleaning of the interior (waterside) and exterior (fireside) of the boiler tubes, the air preheater, and the boiler stacks. For the interior boiler tube cleaning process, an acid solution is used to remove scale, which is then discharged to the boiler chemical cleaning pond. After this chemical cleaning process, the boiler tube interiors are rinsed clean. This waste discharge is directed to the boiler chemical cleaning rinse pond. Chemical cleaning of this equipment occurs approximately once or twice each year.



PACIFIC GAS AND ELECTRIC COMPANY
PITTSBURG POWER PLANT

SITE LOCATION MAP



BASE: U.S.G.S. 7.5 MIN.TOPO -
HONKER BAY (1980), CALIFORNIA

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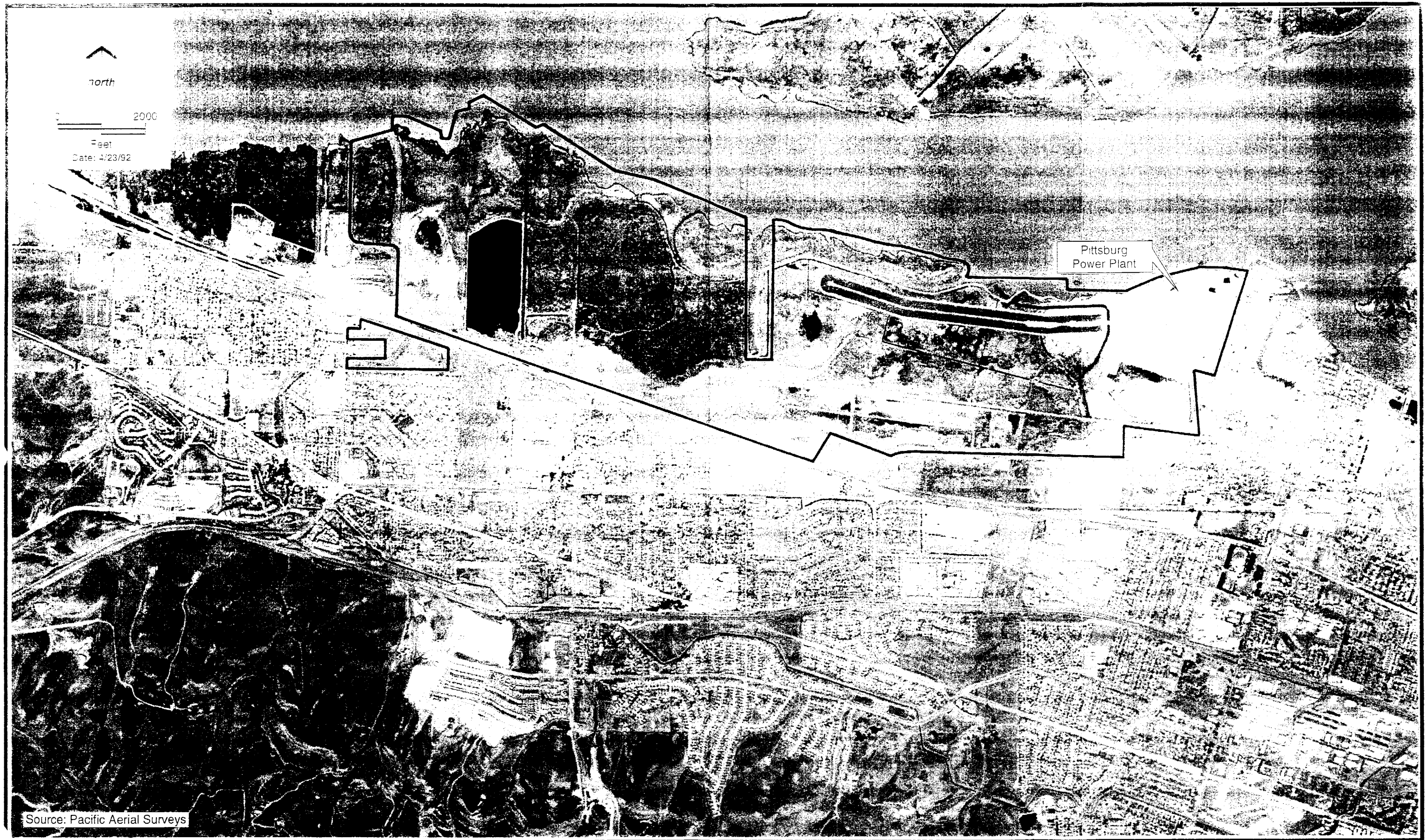
PITTSBURG POWER PLANT

SITE VICINITY MAP AND SURROUNDING PROPERTIES



PACIFIC GAS AND ELECTRIC COMPANY
PITTSBURG POWER PLANT

1992 PLANT AERIAL PHOTOGRAPH

Figure 3-3

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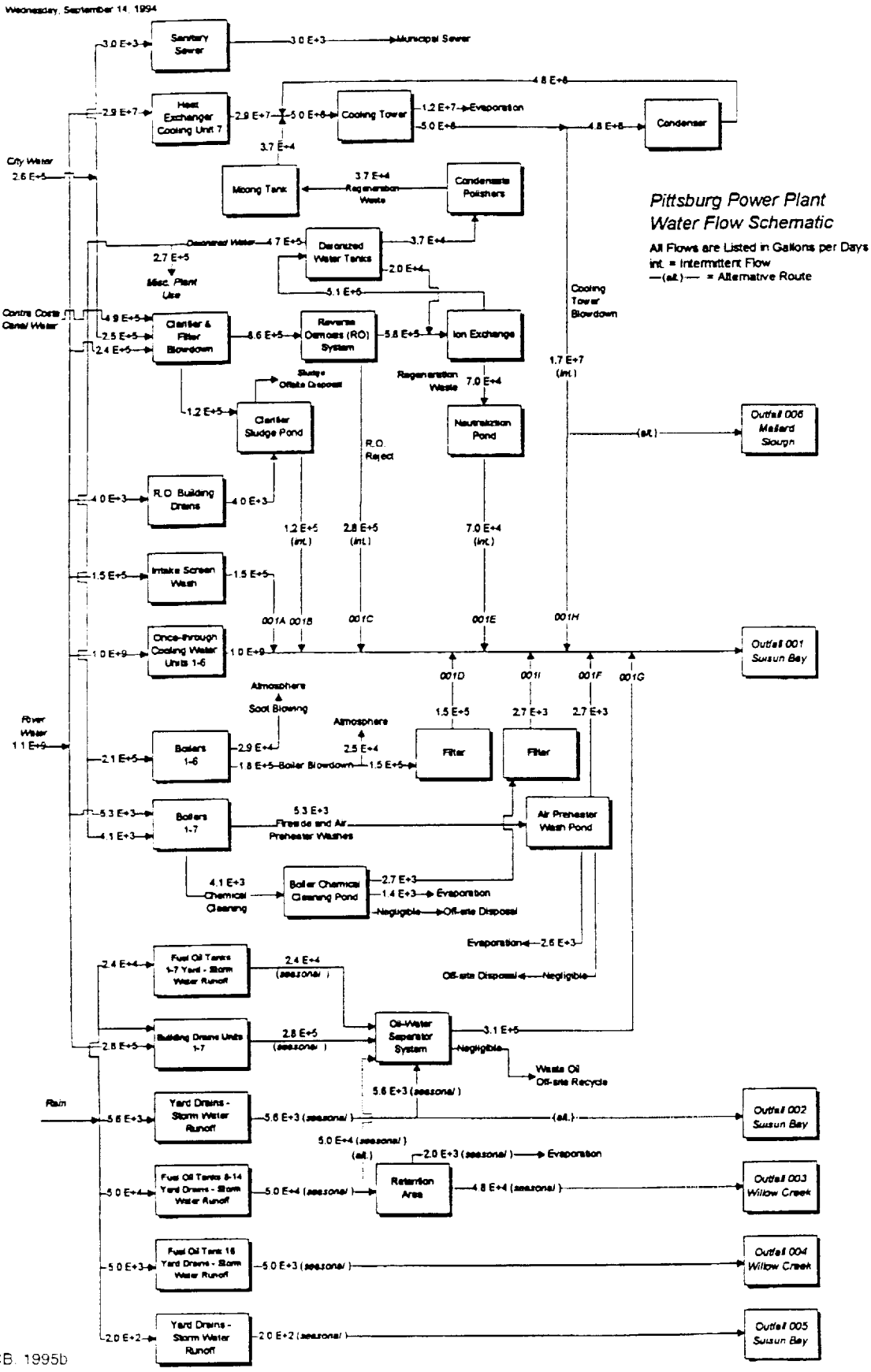

Source: RWQCB, 1995b

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PITTSBURG POWER PLANT

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STORMWATER, WASTEWATER, AND PROCESS WATER FLOW SCHEMATIC

Figure 3-4

The air preheater, fireside, and boiler stacks are cleaned on an average of four times each year using water and sodium hydroxide to maintain slight alkalinity. The wastewater generated from this wash process contains trace concentrations of metals and fly ash and is discharged to the air preheater wash pond.

Two demineralizer units are used at the Plant. Regeneration wastes produced from Units 1 through 6 are routed to the demineralizer neutralization pond. Wastes produced from regenerating Unit 7 are routed to a separate demineralization impoundment.

Floor and yard drains are routed to the oily water treatment system. This treatment system consists of the following units: oily water collection pond, an American Petroleum Institute (API) separator, air flotation/water separator, and an oily sludge holding tank.

For this report, the Plant has been segregated into four functional areas to facilitate the presentation of site features and environmental conditions (see Figure 3-5, Functional Areas). These areas are the Fuel Tank Farm, the Switchyard, the Non-Operational Area, and the Power Generation and Operations Area. A fifth area, Surrounding Properties, has also been included for purposes of identifying any offsite environmental conditions which may have affected or could potentially affect the Plant. The five areas are described below. Individual structures are identified on Figure 3-6, Plant Layout.

Fuel Tank Farm

The Fuel Tank Farm consists of the fuel oil aboveground storage tanks (ASTs) and a marine terminal. The fuel oil ASTs are located at two areas on the site. Tanks 1 through 7 are located along the eastern boundary of the site, and Tanks 8 through 16 and the displacement oil tank are located at the southeastern corner of the site adjacent to the main gate (Photographs 2 and 3). The marine terminal is located in Suisun Bay at the northeast corner of the site and is used for offloading fuel oil from tanker barges to the fuel oil ASTs.

Switchyard

The Switchyard is located north of Tanks 8 through 16 (Photograph 3). Plant-generated electrical power is delivered to the Switchyard for stepping-up the voltage and transmission by the electrical grid system.

Non-Operational Area

The Non-Operational Area comprises the area west of the Switchyard and Tanks 8 through 16 (Photograph 4). No power generation or maintenance activities are conducted in this area. Two inactive solid waste management units (SWMUs), the Shell Pond, and the Carbon Pile, are located approximately three miles west of the Switchyard as is a detached 40-acre parcel located south of the railroad tracks (see Figures 3-2 and 3-3). Two persons, tenants of PG&E, live in trailers and maintain approximately 65 cattle in the southwest portion of the site adjacent to the Harris Yacht Harbor. Several equipment storage trailers, sheds, vehicles, and various types of equipment are maintained and stored at this location.

N

APPROXIMATE
SCALE IN FEET
0 300 600

MARINE TERMINAL
OILY WATER TREATMENT SYSTEM
COOLING WATER DISCHARGE PIPES
CHLORINE BLDG
AIR PREHEATER WASH POND
COOLING WATER INTAKE STRUCTURES
DEMINERALIZER NEUTRALIZATION POND
CHEMICAL ASTs
STACKS
UNIT 7 DEMINERALIZER NEUTRALIZATION TANK
UNITS 6 5
UNITS 4 3 2 1
UNIT 7
BOILER CHEMICAL CLEANING PONDS
CONTROL BLDG
WAREHOUSE
TANK 1
TANK 2
TANK 3
TANK 4
TANK 5
TANK 6
TANK 7
STACK
OFFICE
COOLING TOWERS
230KV
230KV
230KV
SWITCHYARD
15KV
FORMER ASBESTOS AND PAINT DEPT. WASTE STORAGE AREA
VEHICLE FUELING TANKS
HAZARDOUS MATERIALS STORAGE BUILDINGS
HAZARDOUS WASTE STORAGE BUILDING
FIREWATER PUMP HOUSE
SPILL CONTAINMENT BASIN
TANK 13
TANK 12
TANK 8
UNIT 7 COOLING WATER CANAL
GAS REGULATION STATION
TANK 14
TANK 11
TANK 10
TANK 9
TANK 15
WILLOW CREEK
MAIN GATE
MAIN ROAD
WEST 10TH STREET
TANK 16
DISPLACEMENT OIL TANK

LEGEND

- FUEL TANK FARM
- SWITCHYARD
- NON-OPERATIONAL AREA
- POWER GENERATION AND OPERATIONS AREA
- RAIL LINE
- FENCE

ADAPTED FROM: PG&E, 1994a.

PACIFIC GAS AND ELECTRIC COMPANY
PITTSBURG POWER PLANT

FUNCTIONAL AREAS

Figure 3-5

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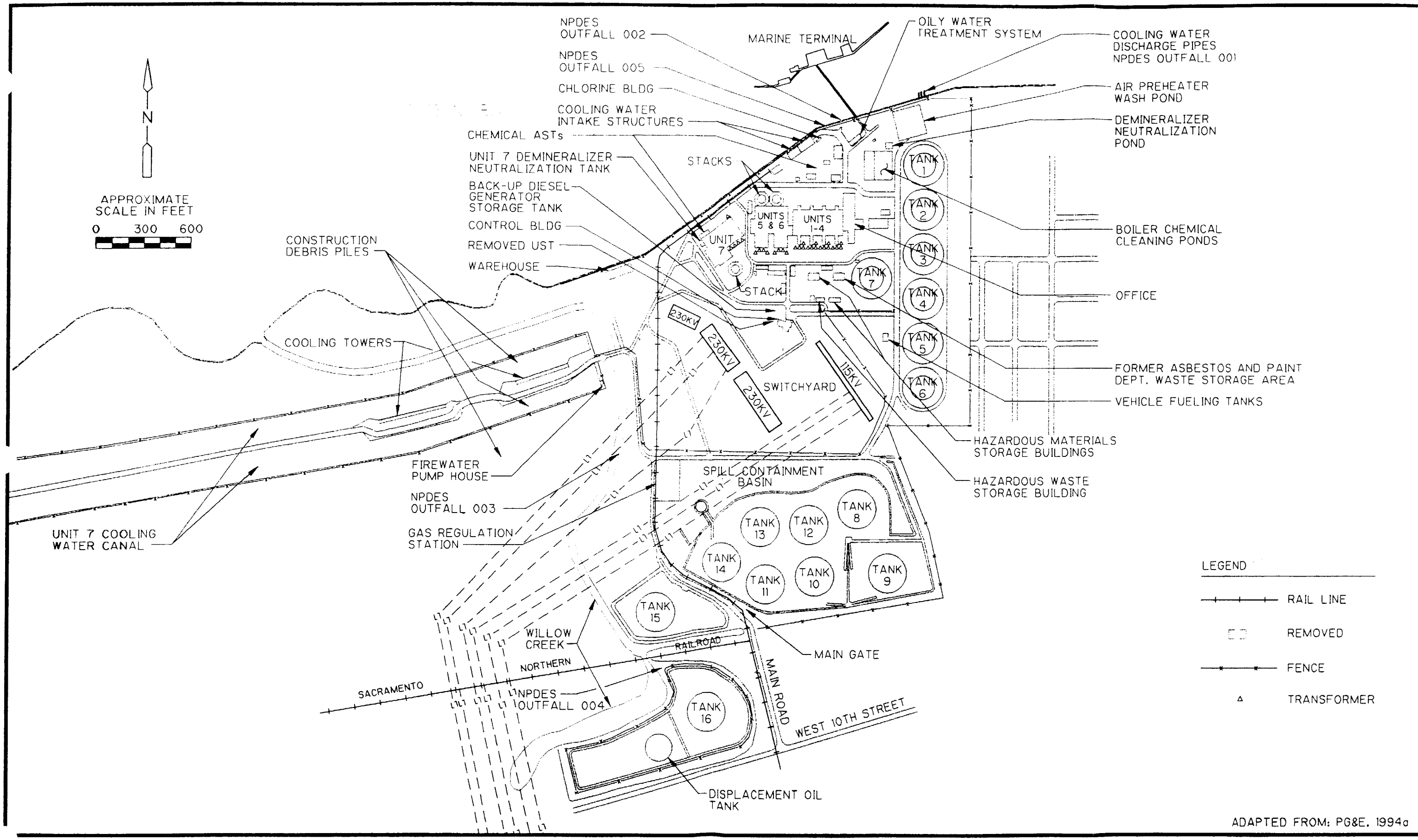


ADAPTED FROM: PG&E. 1994a

CDM
environmental engineers, scientists, planners, & management consultants

PACIFIC GAS AND ELECTRIC COMPANY
PITTSBURG POWER PLANT

PLANT LAYOUT

Figure 3-6

Power Generation and Operations Area

The Power Generation and Operations Area roughly comprises the northeastern portion of the Plant. This area contains the Plant's seven fossil fuel steam turbine electric generation units. The Plant is designed to operate by using either natural gas or oil. However, the Plant has shifted to natural gas as its primary fuel source over the past several years. Oil is used only under gas curtailment or for system readiness testing. The facility has a combined generating capacity of 2,002 MW from its seven operating units (See Table 3-1, Power Generation Units).

Table 3-1
Power Generation Units

Units	Rated Capacity (Megawatts)	Turbine Type	Fuel Type
1-4	158	Steam	Natural Gas or No. 6 fuel oil
5-6	325	Steam	Natural Gas or No. 6 fuel oil
7	720	Steam	Natural Gas or No. 6 fuel oil

Source: PG&E, undated-a

The following buildings, structures, and areas are located within the Power Generation and Operations Area and are shown on Figure 3-6.

- *Units 1 through 4 Building:* This building houses the turbines and generators for power generation Units 1 through 4.
- *Units 5 & 6 Building*: This building houses the turbines and generators for power generation Units 5 and 6 and is attached to the west end of Units 1 through 4 Building.
- *Unit 7 Building:* This building houses the turbines and generators for power generation Unit 7 and has an attached machine shop.
- *Office:* The office building houses the Plant management and staff. A machine shop, the main warehouse, and Units 1 through 4 are located on the west end of this building.
- *Chemical Storage Tanks:* Several chemical ASTs are located at the northwest corner of Unit 7 (Photograph 5) and north of Units 1 through 4. These tanks are used for storage of chemicals necessary for maintenance of the power generation units.
- *Cooling Water Intake Structures:* The Plant's cooling water intake structures are located north of Units 1 through 6. A portion of the water collected through these structures is diverted using circulating pumps to the Unit 7 Cooling Water Canal. (Unit 7's cooling water system is independent from Suisun Bay and requires periodic replenishment of water lost in the steam cycle). The majority of the water collected through the intake structure is pumped to Units 1 through 6 for use as once-through cooling water.

- *Unit 7 Cooling Water Canal:* Cooling water for Unit 7 is discharged to an approximately one-mile long cooling canal which contains two cooling towers (Photograph 4). The cooling water is discharged from and returned to Unit 7 via an underground tunnel which contains two adjacent conduits.

- *Air Preheater Wash Pond, Demineralizer Neutralization Pond, and Boiler Chemical Cleaning Ponds (2):* Wastewater from operation and maintenance of the facility is stored and treated in four Class I waste surface impoundments located in the northeastern portion of the site.

- *Oily Water Treatment System:* The oily water treatment system is used to process drainage from surface runoff and building sumps prior to discharge to Suisun Bay. The unit consists of a retention pond, an API oil/water separator, and a sludge holding tank. The contents of the sludge tank are pumped out every 90 days for offsite recycling.

- *Satellite Hazardous Waste Accumulation Areas:* Satellite hazardous waste accumulation areas are located throughout the Power Generation and Operations Area of the Plant.

- *Hazardous Waste Storage Building:* The hazardous waste storage building is located south of the office building and is used to store equipment and various hazardous and non-hazardous waste. The waste storage areas are secured behind locking doors. Hazardous waste is segregated in these storage areas based upon their hazardous characteristics.

Surrounding Properties

Surrounding properties include those areas which are immediately adjacent to the site, as shown on Figure 3-2, and those areas within the ASTM-recommended search radii for regulatory databases that are up to one mile from the site. Surrounding properties are further described below in Section 3.3, Vicinity Characteristics.

3.3 Vicinity Characteristics

The Plant is located in an area of light industry, residential property, and boat harbors. Suisun Bay borders the site to the north, and Southern Pacific Railroad and Willow Pass Road border the site to the south (Figure 3-2). The site is bordered to the east by the Pittsburg Marina and residential property, and on the west by the Harris Yacht Harbor and commercial property.

3.4 Environmental Setting

3.4.1 Geology

The site is located on the northern flank of the Mount Diablo foothills at the edge of Suisun Bay. The site is comprised of flat-lying, tidal marshland with subsurface materials consisting of Holocene-aged sediments. These sediments include unconsolidated, interbedded alluvium and Bay Mud. The alluvium consists of interbedded coarse- to fine-grained sediments. Bay Mud is described as a carbonaceous silty clay with layers of peat and organic clay. The eastern portion of

the Plant is underlain by approximately seven to ten feet of fill from an unknown source (Mittelhauser, 1993).

3.4.2 Groundwater

Two distinct groundwater zones have been identified at the site. The shallowest zone has been referred to as the Trough or perched groundwater, and the second, deeper zone is referred to as the Upper Aquifer (Mittelhauser, 1993).

The perched groundwater zone underlies the area of the oily water treatment system. This zone consists of a peat and clay deposit which infilled a paleochannel. Groundwater within this zone is not substantially influenced by tidal fluctuations.

The Upper Aquifer is comprised of a sand and gravel deposit which ranges in thickness from 26 to 50 feet. The groundwater flow direction is generally north, from the topographic highs in the south toward the low-lying regions along Suisun Bay (Figure 3-2). A portion of the Upper Aquifer along the edge of Suisun Bay is tidally influenced. Groundwater pump test data from wells located adjacent to the surface impoundments indicate that the perched groundwater is not hydraulically connected to the Upper Aquifer.

Depth to groundwater in the Upper Aquifer generally ranges from 7 to 10.5 feet below ground surface. Because the Plant is located in a historical tidal marshland near the brackish/fresh water interface in Suisun Bay, the groundwater is brackish (1,000 to 10,000 milligrams per liter dissolved solids) and is of poor quality with respect to drinking water standards (Mittelhauser, 1993).

3.4.3 Surface Water

Surface water in the vicinity of the Plant includes the Suisun Bay along the northern boundary and the Unit 7 cooling water canal located west of the Switchyard. Willow Creek is located between the Switchyard and the Unit 7 cooling water canal. As a wind-blown dust control measure, the Shell Pond (see Figure 3-2 and Photograph 6) remains flooded by approximately one to three feet of water. The majority of the Non-Operational Area located north of the Shell Pond and the Unit 7 Cooling Water Canal is tidally-influenced, flooded marshland. Mallard Slough, located between the Unit 7 Cooling Water Canal and the Shell Pond, serves as a drinking water source for Contra Costa County.

3.4.4 Climatology

Climatology data are available for the cities of Antioch, at an elevation of 60 feet above mean sea level, and Martinez, 40 feet above mean sea level, 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, 1994).

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 review included 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. 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

In 1951, PG&E purchased a 280-acre parcel of agricultural land used for grazing and dairy farming. Subsequent property acquisitions through 1974 resulted in a current property area of approximately 2,140 acres. The majority of this additional acreage was obtained in 1972 through 1979, and included the acquisition of the Shell Pond, Carbon Pile, and a detached parcel located south of the railroad tracks, south of McAvoy Boat Harbor (see Figure 3-2).

In November 1951, construction commenced on the first four power generation units (Units 1 through 4). Commercial operation of these units started in 1954. Each of the four units has a generating capacity of 158 megawatts (MW). Two additional, attached units (Units 5 and 6) became operational in 1960 and 1961. Units 5 and 6 each have a generating capacity of 325 MW. Unit 7, with a generating capacity of 720 MW, was added as a freestanding structure in 1972 (PG&E, undated-a).

Initial construction of the facility included a marine terminal which extends about 650 feet into Suisun Bay for unloading fuel oil from tankers and barges. The terminal was modified in 1974 to accommodate tankers up to 70,000 dead weight tonnage.

Six fuel storage tanks were constructed in 1954, each with a capacity of 6.9 million gallons. Additional tanks were constructed in 1972 through 1974, each with capacities from 6.9 to 21 million gallons. The total fuel storage capacity for the Plant is approximately 223 million gallons.

Between 1974 and 1977, a 42-mile long, underground pipeline was constructed between Richmond and Antioch to transport fuel oil from Chevron's Richmond refinery to PG&E's Pittsburg and Contra Costa Power Plants. This pipeline is no longer in use.

4.2 Standard Environmental Record Sources

A search of environmental regulatory databases was conducted for the site and its vicinity. The database search was conducted by VISTA Information Solutions, Inc. (VISTA) to identify existing documentation related to environmental incidents at the site and/or at surrounding properties. Due to the size of the property, the VISTA data base reports were generated with two radii which

were extended beyond the distance recommended by ASTM to ensure appropriate minimum coverage. The radius search was extended by one mile for the eastern portion of the property and by one-half mile for the western portion of the property. The databases searched, and related search distances 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) — 1 mile;
  - RCRA Violations/Enforcements (RCRA Viol)— ¼ mile;
  - Toxic Release Inventory database (TRIS)— ¼ mile;
  - Emergency Response Notification System (ERNS) — ⅛ mile; and
  - RCRA Registered small or large generators of hazardous waste (GNRTR)— ⅛ 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) — ⅛ mile.

The results of the VISTA database search and descriptions of the environmental databases are provided in Appendix C. The environmental listings identified in the VISTA database search were evaluated with respect to their potential to adversely impact the Plant. Those listings which CDM evaluated to have a potential to adversely impact the Plant 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.

Sites or releases presented in the VISTA database report that are not likely to have an adverse impact on the Plant are not discussed in this report. Sites or releases presented in the VISTA database report with the potential to adversely impact the Plant are presented in Table 4-1, and discussed in Section 5.0, Results of Site Reconnaissance, Records, and Interviews.

Table 4-1 (Page 1 of 2)
Key Environmental Database Records

Database (Search Radius, miles)	***Sources of Potential Onsite Impact***			
	Site Name (see Figure 3-2)	***Site Address***	***Distance from Site (mile)***	***Comments***
LUST (½)	PG&E	696 W. 10th Street	0.00	Release of gasoline to soil.
	Union Beverage	640 W. 10th Street	0.06	Release of gasoline to soil.
	Performance Mechanical	630 W. 10th Street	0.06	Release of gasoline to soil.
	Trench Plate 2	522 W. 10th Street	0.06	Release of diesel to soil and groundwater. CCCHSD files indicate soil impact by oil and grease. RWQCB files indicate diesel impact to groundwater.
	Sonoco (Continental Fibre Drum)	701 Willow Pass Road	0.11	Release of heating oil to soil and groundwater.
	Triangle PWC	1666 Willow Pass Road	0.11	Release of gasoline to soil.
RCRA TSD (1)	Criterion Catalyst	2850 Willow Pass Road	0.13	Diesel impact to soil.
CERCLIS (1)	Sonoco (Continental) Fibre Drum	701 Willow Pass Road	0.11	Release of heating oil to soil and groundwater. No further corrective action at this time.
SCL (1)	Triangle PWC	1666 Willow Pass Road	0.11	Release of zinc plating solution. Property to west of site was affected.
	Motor Transport Terminals	805 Port Chicago Highway	0.19	Potential release of unidentified organic liquid mixture, waste oil, mixed oil, and hydrocarbons. No further corrective action at this time.
North Bay Toxic Sites (⅛)	Motor Transport Terminals	805 Port Chicago Highway	0.19	Potential release of unidentified organic liquid mixture, waste oil, mixed oil, and hydrocarbons. No further corrective action at this time.

Table 4-1 (Page 2 of 2)
Key Environmental Database Records

Database (Search Radius, miles)	Sources of Potential Onsite Impact			
	Site Name	Site Address	Distance from Site (mile)	Comments
ERNS (⅛)	PG&E	696 W. 10th Street	0.00	October 6, 1994 release of unknown quantity of turbine oil.
				March 6, 1994 release of 800 gallons sulfuric acid to land.
				December 18, 1991 release of asphalt emulsion to Willow Creek.
				December 13, 1990 release of 1 pound of thiourea to the San Joaquin River (Suisun Bay).
				November 9, 1990 release of 1 gallon low sulfur fuel oil to San Joaquin River (Suisun Bay).
				October 20, 1990 release of 3,300 gallons of sulfuric acid to the San Joaquin River (Suisun Bay).

Source: VISTA; see Appendix C, VISTA Database Report.

4.3 Additional Record Sources

For this Phase I ESA, CDM reviewed files at California Department of Toxic Substances Control (DTSC), San Francisco Bay Area Regional Water Quality Control Board (RWQCB), the Contra Costa County Health Services Department (CCCHSD), and the USEPA. Relevant information acquired from these agencies is referenced in the appropriate sections of this report.

4.4 Aerial Photographs, Sanborn Maps, and Topographic Maps

Numerous aerial photographs and topographic maps associated with the site were reviewed to construct an accurate site history. 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. Table 4-2 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
Aerial Photographs	1952, 1957, 1959, 1963, 1969, 1971, 1974, 1976, 1978, 1982, 1986, 1990, 1992, 1994, 1995, and 1996
United States Geological Survey Topographic Maps	1918, 1953, 1968, and 1980

Source: Aerial photographs obtained from Pacific Aerial Surveys, Inc. (see Appendix B, List of Information Reviewed).

Results of CDM's review of the historical photographs and maps are discussed by functional areas below:

Switchyard

The October 30, 1952 aerial photograph shows grading of the Switchyard area and various pieces of unidentified equipment. The June 8, 1959 aerial photograph shows the Switchyard with a portion of the 230 (kilovolt) kV Switchyard constructed. Review of topographic maps indicate construction of the Switchyard between 1953 and 1968. The May 20, 1969 aerial photograph indicates additional construction of the 115 kV Switchyard and two ASTs located on the northwest side of the control building. The April 19, 1986 aerial photograph depicts the Switchyard much as it is today, with the two ASTs located on the northwest side of the control building.

Fuel Tank Farm

In the March 4, 1974 aerial photograph, the spill containment basin and Tanks 8 through 16 were first observed.

Power Generation and Operations Area

The October 30, 1952 aerial photograph shows the grading of the pads for Tanks 1 through 6, and several unidentified structures located in the vicinity of the current surface impoundments.

The June 8, 1959 aerial photograph shows the former laydown area located west of the current Switchyard. Miscellaneous construction supplies and equipment such as steel and drums were observed on the unpaved surface. The unidentified buildings observed in the area of the surface impoundments were no longer present.

The May 20, 1969 aerial photograph depicts the former laydown area with a reduced inventory of equipment, and a large fill soil stockpile to the west of the laydown area.

In the March 4, 1974 aerial photograph, Willow Creek was observed to have been re-directed to its present configuration and the Unit 7 cooling water canal constructed. The laydown area was no longer observed.

The April 19, 1986 photograph shows the current site configuration as well as vehicle storage lots south of the site along Willow Pass Road.

Non-Operational Area

The October 30, 1952 aerial photograph shows dredge spoil piles north of the current Unit 7 cooling water canal.

Review of the 1918 topographic map indicates that the Sacramento Northern Railroad and the Atchison Topeka and Santa Fe Railroads were present at the Plant site in a similar configuration as exists today. Based upon review of the topographic maps, McAvoy Boat Harbor, the Harris Yacht Harbor, and the Carbon Pile were constructed between 1918 and 1953. The October 9, 1952 aerial photograph depicts the McAvoy Boat Harbor, the Harris Yacht Harbor, the Carbon Pile and the construction of a retention basin (the Shell Pond) west of and adjacent to the Carbon Pile. This photograph also indicates the placement of fill between the Harris Yacht Harbor and the Carbon Pile, extending north toward Suisun Bay. Unidentified equipment was observed on site adjacent to the Harris Yacht Harbor. The 1968 topographic map also indicates the placement of fill between the McAvoy Boat Harbor and the Carbon Pile, and the construction of a retention basin (Shell Pond) west of and adjacent to the Carbon Pile.

The March 4, 1974 aerial photograph shows evidence of grading adjacent to the north side of Willow Pass Road and west of the transmission lines. Willow Creek was observed to be re-routed to the south and east of the graded area.

The May 27, 1976 aerial photograph indicates that three north-south oriented rectangular basins were created from the graded area north of Willow Pass Road first observed on the March 4, 1974 aerial photograph. The basins were observed to be separated by earthen berms which serve as access roads. Hummocky terrain was observed in the center of the eastern-most basin, and water was observed in the northern portion of the middle and western basins.

The April 19, 1986 aerial photograph shows hummocky terrain in the central and southern portion of the eastern basin, and in the northern portion of the middle basin. The western basin appeared to be flat. Water was observed in the northern portion of the east and west basins.

The April 19, 1986 aerial photograph also showed evidence of soil disturbance immediately south of and between the cooling towers located in the Unit 7 cooling canal.

Surrounding Properties

The April 19, 1986 aerial photograph shows a large inventory of automobiles stored on the parcels located south of Tanks 10 and 11 and east of the Main Road. Dark-colored soils were observed in the central portion of the lot south of Tank 11 and adjacent to the main road. In addition, many of the parcels along Willow Pass Road east of this site extending to Bryon Street were observed to be vehicle storage lots. A very high-density vehicle storage yard was also observed on the south side of Willow Pass Road at its intersection with the railroad.

Section 5.0
Results of Site Reconnaissance, Records Review, and Interviews

On June 4 and 5, 1996, CDM met with Messrs. Doug Welch and Bryan Nicholson of PG&E to conduct a walkthrough of the Plant and interview Plant staff. On June 25 and August 12, 1997, follow-up site walkthroughs were conducted to observe selected areas of the Plant. Mr. Welch has been an Environmental Coordinator at the Plant for over six years. Mr. Nicholson works for PG&E's Technical and Ecological Services Department and has been with the company for the past seven years. Interviews were conducted with Mr. Dave Pitner, currently an Operating Foreman, who has worked at the Plant for 26 years, and Ms. Kathy Franks, a System Operator, who has worked at the Plant for 16 years. Interviews were also conducted with the following individuals familiar with the Plant: Mr. Steven Gallo, Environmental Engineer, who has worked at the Plant for two and one-half years; Mr. David Zeiger, Senior Environmental Engineer, who has worked at the Plant for three months; Mr. Craig Fletcher, Environmental Engineer, who worked at the Plant from 1992 through 1995; Mr. Rich White, Maintenance Supervisor, who has been at the Plant since 1993; Mr. Dean Broyles, Operating Foreman, who has been working at the Plant since 1968; Mr. Al Thompson, Electrical Maintenance Foreman; Ms. Teresa DeBono, currently a Power Generation Engineer, who worked at the Plant from 1993 to 1994; Ms. Lessly Wikle, Environmental Coordinator, who worked at the Plant for eight months in 1996; Mr. Bob Gossard, currently a Supervising Environmental Specialist, who worked at the Plant from 1983 to 1993; Mr. Nacho Perez, currently a Grid Maintenance Safety Coordinator, who worked at the Plant from 1979 to 1981; and Mr. Jeff Williams, a Title Land Agent, who has been with PG&E for 21 years.

During the walkthrough, PG&E personnel were asked for information about the site's history and existing conditions at the site. The walkthrough was followed by visual observations of the site's vicinity. The following subsections discuss site assessment findings with respect to inventory of hazardous substances, solid waste/non-hazardous substances, polychlorinated biphenyls, asbestos-containing materials, storage tanks, herbicides and pesticides, water, wastewater and stormwater, and lead-based paints.

The findings in Section 5 are presented for the five 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 (including the Marine Terminal), 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 3-5.

5.1 Hazardous Substances

This section discusses hazardous materials used and hazardous wastes generated at the Plant.

5.1.1 Hazardous Materials

A partial inventory of hazardous materials found at the Plant is presented in the AB 2185 Hazardous Materials Business Plan (PG&E, 1995a) (see Appendix D). These materials are mainly used in daily operations or are used in equipment such as transformers, circuit breakers, turbine bearings, hydraulic pumps, actuators and hydraulic reservoirs. Currently, hazardous materials are used in the Fuel Tank Farm, the Switchyard, the 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 of spills, the Plant has developed a Spill Prevention Control and Countermeasures (SPCC) Plan (PG&E, 1994a) and an Emergency Oil Spill Response Plan (PG&E, 1996b).

Fuel Tank Farm

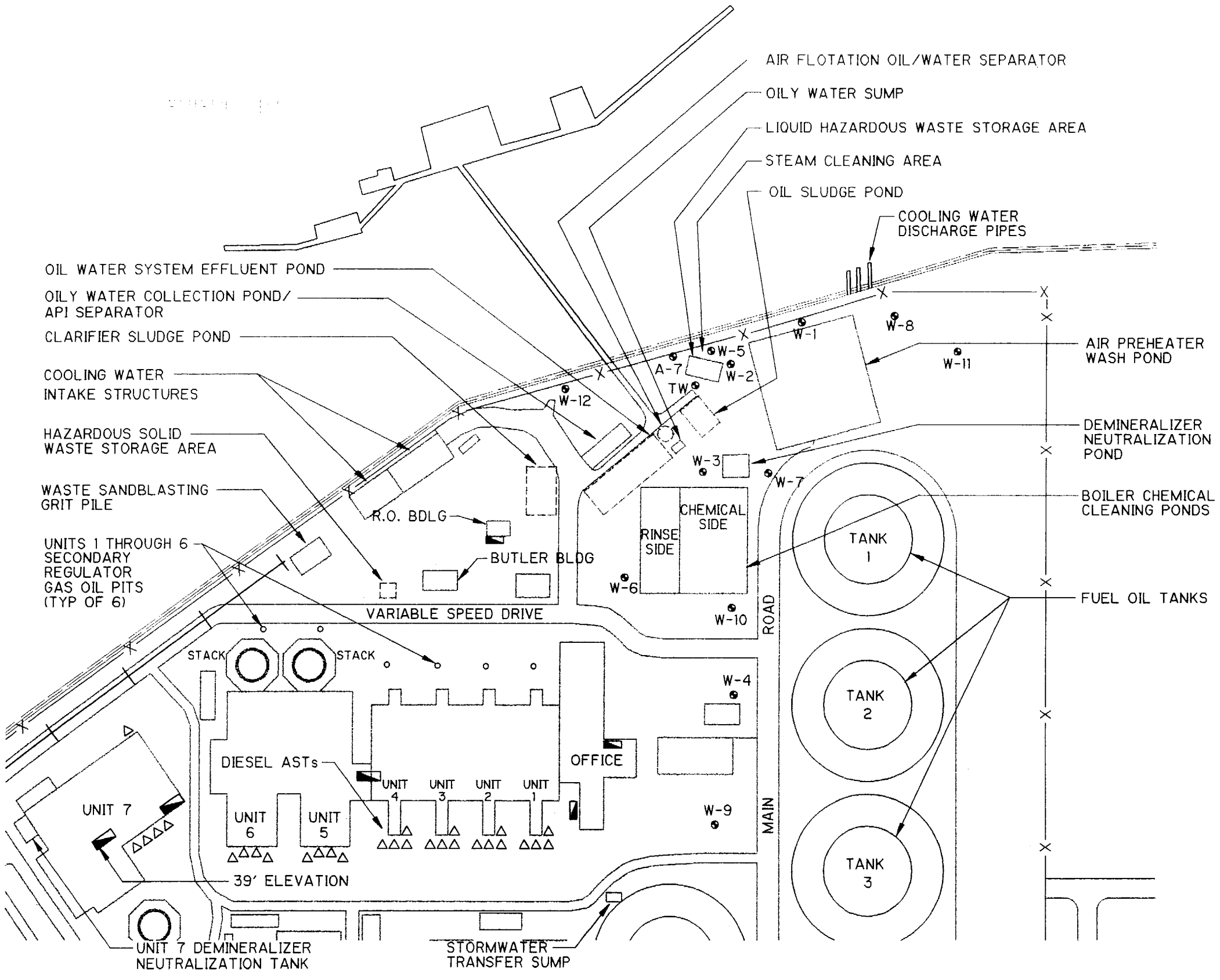
The Fuel Tank Farm comprises sixteen ASTs with a total storage capacity of approximately 223 million gallons. Tanks 1 through 16 are used to store No. 6 fuel oil and the displacement oil tank is used to store No. 2 fuel oil. Tanks 1, 3, 5, 6, 12, and 14 are no longer in use and are empty except for residual fuel at the bottom of each tank. Although the Plant uses natural gas as its primary fuel source, No. 6 fuel oil is stored in the remaining fuel oil tanks in the event that natural gas supplies are curtailed.

Fuel oil can be supplied either by ship or pipeline. Tankers or barges berth at the Plant's marine terminal and transfer fuel oil to the storage tanks via pipelines. Alternatively, a 42-mile pipeline from Richmond to Antioch can supply the Plant with fuel oil directly from the Chevron refinery in Richmond. Receipt of No. 6 fuel oil by tanker, barge, or pipeline has not occurred for several years. The onshore pipelines are located both aboveground and underground.

Table 5-1, Fuel Oil Tank Specifications, lists each fuel oil tank's capacity, contents, and approximate year built.

Table 5-1 (Page 1 of 2)
Fuel Oil Tank Specifications

Tank	Material Stored	Approximate Year Built	Tank Volume (Gallons x 10^6)
1	No. 6 Fuel Oil	1954	6.9
2	No. 6 Fuel Oil	1954	6.9
3	No. 6 Fuel Oil	1954	6.9
4	No. 6 Fuel Oil	1954	6.9
5	No. 6 Fuel Oil	1954	6.9
6	No. 6 Fuel Oil	1954	6.9
7	No. 6 Fuel Oil	1972	6.9
8	No. 6 Fuel Oil	1974	6.9



SWMU	SWMU NAME
4.1	BOILER CHEMICAL CLEANING PONDS
4.2	AIR PREHEATER WASH POND
4.3	DEMINERALIZER NEUTRALIZATION POND
4.4	UNIT 7 DEMINERALIZER NEUTRALIZATION TANK
4.5	OILY WATER COLLECTION POND/API SEPARATOR
4.6	OILY WATER SUMP
4.7	AIR FLOTATION OIL/WATER SEPARATOR
4.8	OILY WATER SYSTEM EFFLUENT POND
4.9	OIL SLUDGE POND
4.10	CLARIFIER SLUDGE POND
4.11	WASTE SANDBLASTING GRIT PILE
4.12	CARBON PILE (SEE FIGURE 3-2)
4.13	UNITS 1 THROUGH 6 SECONDARY REGULATOR GAS OIL PITS
4.14	HAZARDOUS SOILD WASTE STORAGE AREA
4.15	ASBESTOS AND PAINT DEPARTMENT WASTE STORAGE AREA (SEE FIGURE 3-4)
4.16	LIQUID HAZARDOUS WASTE STORAGE AREA
4.17	STEAM CLEANING AREA
4.18	SHELL POND (SEE FIGURE 3-2)

LEGEND

- RAIL LINE
- REMOVED
- FENCE
- W-12 GROUNDWATER MONITORING WELLS
- TRANSFORMER
- HAZARDOUS WASTE ACCUMULATION AREA

N

APPROXIMATE SCALE IN FEET

0 100 200

ADAPTED FROM: PG&E, 1994a AND A.T. KEARNEY, 1986.

CDM
environmental engineers, scientists, planners, & management consultants

PACIFIC GAS AND ELECTRIC COMPANY
PITTSBURG POWER PLANT

SOLID WASTE MANAGEMENT UNITS

Figure 5-1

Table 5-1 (Page 2 of 2) Fuel Oil Tank Specifications			
Tank	**Material Stored**	**Approximate Year Built**	**Tank Volume (Gallons x 10^6)**
9	No. 6 Fuel Oil	1972	21
10	No. 6 Fuel Oil	1973	21
11	No. 6 Fuel Oil	1973	21
12	No. 6 Fuel Oil	1974	21
13	No. 6 Fuel Oil	1973	21
14	No. 6 Fuel Oil	1973	21
15	No. 6 Fuel Oil	1974	21
16	No. 6 Fuel Oil	1974	21
Displacement Oil	No. 2 Fuel Oil	1975	2.3

Source: PG&E, undated-b and PG&E, 1995a

Tanks 1 through 7 have secondary containment consisting of 300-foot diameter pre-cast wire-wrapped gunite-covered concrete panels. According to Mr. Gallo, the secondary containment for Tank 1 is deteriorated; however, the tank is empty and is no longer in use. CDM observed the deteriorated condition of this containment area. Tank 8 and Tanks 10 through 14 share a common secondary containment basin. Tanks 9 and 15 lie within separate, diked, secondary containment basins. Tank 16 and the displacement oil tank are contained within a common secondary containment basin. According to the Plant's SPCC Plan (PG&E, 1994a), the volume of this basin is inadequate to control the entire contents of Tank 16; therefore, this tank has been drawn down to its low level and placed in cold storage status. According to Mr. Roy Johnson of PG&E, in 1992, a double bottom was installed for the displacement oil tank to comply with the leak detection monitoring requirements established by the RWQCB. Double bottoms are not required for tanks storing No. 6 fuel oil.

During the course of the walkthrough, no obvious signs of spills or leaks of fuel oil were observed. However, interviews with the Plant personnel about historic operation of the Fuel Tank Farm indicate that there have been releases of fuel oil within this functional area. These releases are discussed in Section 5.1.2.

Switchyard

The Switchyard houses electrical equipment including circuit breakers and transformers containing dielectric fluid. The Plant currently does not operate any oil-filled electrical equipment which will activate Toxic Substances Control Act (TSCA) regulatory requirements for polychlorinated biphenyl (PCB)-containing equipment (50 parts per million [ppm] or greater). No evidence of spills or leaks from the equipment were observed in the Switchyard and this area appeared to be well maintained.

The entire Switchyard is graded to drain to the spill containment basin used for stormwater retention (PG&E, 1994a).

During the walkthrough, no obvious signs of leaks or spills of dielectric fluid were observed in the Switchyard.

Interviews with the Plant personnel about historic operation of the Switchyard indicate that there have not been any material releases of insulating oil from the circuit breakers or transformers.

Non-Operational Area

At least two underground pipelines, the Richmond-Antioch fuel oil supply line and the natural gas supply line, are located at the Plant. In addition, Mr. Welch informed CDM of a south-north oriented Chevron pipeline located on the western half of the property. No evidence of leakage from these underground pipelines was found during the site walkthrough, agency file reviews, or interviews. According to Mr. Welch, additional pipelines may exist across this area; however, CDM was not provided with documentation indicating the location or purpose of these pipelines.

Because the underground location, use, and integrity of these pipelines could not be verified, the potential exists for releases from these pipelines to have adversely impacted the Plant.

The tenant residing in the southwest corner of this area maintains small quantities of hydraulic oil, motor oil, gasoline, oxygen, and acetylene for maintenance and operation of vehicles. These materials were observed in labeled containers and stored on pallets or on bare soil. One partially full 5-gallon container of oil was observed without a lid.

Observation of the hazardous materials storage areas revealed no indication of spillage. Based upon the available information, the current hazardous materials storage areas in the Non-Operational Area do not appear to have adversely impacted the Plant.

Power Generation and Operations Area

Hazardous materials used within the Power Generation and Operations Area primarily include the following:

- Sulfuric acid and sodium hydroxide for regenerating demineralizer ion exchange beds
- Ethylenediamine-tetra acetic acid (EDTA) for boiler cleaning
- Sodium hypochlorite for controlling algae in Unit 7 cooling water canal
- Sodium bisulfite to dechlorinate water prior to processing in the reverse osmosis system
- Paints, epoxy coatings, and paint thinners
- Laboratory reagents
- Diesel fuel.

Small quantities of these materials were observed in the hazardous materials storage building and in fireproof cabinets within the power generation buildings. Large volume materials such as sulfuric acid and sodium hydroxide are stored in ASTs with secondary containment. Laboratory reagents are kept on shelves in a locked laboratory. Materials were observed in labeled containers and maintained in a secure area.

Observation of the hazardous materials storage areas revealed no indication of spillage or improper handling of hazardous materials. The hazardous materials storage areas were observed to be well maintained during the site walkthrough. Based upon available information, the current hazardous materials storage areas in the Power Generation and Operations Area do not appear to have adversely impacted the Plant.

Interviews with the Plant personnel about historic operations within the Power Generation and Operations Area indicated that one practice of electrical equipment cleaning may have adversely impacted the site. This historical electrical equipment cleaning practice is discussed in Section 5.1.2.

5.1.2 Hazardous Wastes

Hazardous waste elements required by Title 22 of the California Code of Regulations 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, 1995a). This document serves as the generator and hazardous waste treatment contingency plan for the facility and describes hazardous waste accumulation areas which lie within the Power Generation and Operations Area. The Plant's EPA ID Number is CAT080011695.

During the electrical generation process and associated power plant maintenance activities, a variety of hazardous wastes are generated. The largest amounts of waste generated in 1994, by weight in consecutive order, were as follows: air preheater, fireside and stack wash; waste and mixed oil; treated wood; asbestos; and contaminated soils (PG&E, 1995b). During CDM's site walkthroughs, hazardous wastes appeared to be properly managed with no apparent releases to the environment.

On December 2, 1994, the CCCHSD conducted an inspection of the Plant for compliance with hazardous material, community right-to-know, and emergency response and hazardous waste handling laws. Results of the inspection were presented in a December 14, 1994 letter from Contra Costa County to PG&E and included the following comments: " Housekeeping in the hazardous waste management area was good. The integrity and management of the surface impoundments appear to satisfy the requirements outlined in their permit issued by the DTSC. No violations of hazardous waste rules or regulations were observed"(CCCHSD, 1994).

Fuel Tank Farm

Interviews with Plant personnel and review of PG&E documents regarding the historic operation of the Fuel Tank Farm revealed the following information:

- On April 5, 1995, approximately 2,000 gallons of No. 6 fuel oil were released from Tank 9 into its secondary containment area. According to a report prepared by PG&E that was sent to the RWQCB, remedial actions, including the removal of free product and contaminated soil, were completed on April 6, 1995 (PG&E, 1995c). According to the report, low levels of contamination (less than 200 milligrams per kilogram [mg/kg] of long chain hydrocarbons) were left in place after remedial actions were completed. Although no further action was recommended by PG&E, this area may require further remediation.

- On December 18, 1991, approximately one-half gallon of asphalt emulsion was accidentally released to a drain area that leads to Willow Creek. According to Mr. Gossard, during the application of asphalt emulsion to the fuel oil tank secondary containment berms for erosion control, a rain storm washed approximately one-half gallon of the asphalt emulsion to Willow Creek. Mr. Gossard informed CDM that a sheen was visible on the water and that the sheen was cleaned up. No adverse impact to the Plant is anticipated from this release.

- According to Mr. Gossard, on November 9, 1990, approximately one-half gallon of low sulfur fuel oil was seeping from a weld on a barge moored at the Marine Terminal. To prevent impact to the water, the fuel oil was cleaned from the side of the barge, and a containment boom was deployed in the water around the seep. The appropriate regulatory agencies were notified of the incident. Because the fuel oil did not contact the water, no adverse impact to the Plant is known to have occurred.

- According to Mr. Pitner, a No. 6 fuel oil release occurred in the vicinity of Tanks 10 through 13 and flowed into the spill containment basin. He did not recall the volume of the oil released or when the release occurred. The release was reportedly cleaned up, and impacted soil was removed.

- According to Mr. Pitner, an aboveground No. 6 fuel oil supply pipeline between Tanks 15 and 16 ruptured one evening prior to 1990 and released fuel oil throughout the night before it was discovered. The fuel oil reportedly flowed into a branch of Willow Creek adjacent to the main gate. Mr. Pitner did not recall the volume of the oil released or when the release occurred. The release was reportedly cleaned up and impacted soil was removed. Mr. Pitner indicated that several smaller releases of oil had occurred in the past to this waterway; however, he did not recall specific details of the past releases. Because no documentation exists regarding any remedial efforts to clean up these releases, this area may require further remediation.

- According to a memorandum dated October 24, 1985, from September 30 to October 7, 1985, approximately 300 cubic yards of oil-impacted soil were removed from within a concrete curbed area north of the railroad tracks between Tanks 15 and 16 (PG&E, 1985a). This memorandum indicated that the soil was characterized as hazardous waste and was removed as part of a fuel oil pipeline rerouting project. The source of the oil was not identified in the memorandum. On October 7, 1985, Mr. Steve Bauman and Mr. G. Sanders from PG&E's Steam Generation General Office identified additional work to be completed. Although the memorandum indicates that this work was to be completed, no documentation was available from PG&E or the regulatory agencies regarding the nature of the additional work or if this work was completed. Because it is unknown if all contaminated soil was removed from this area, the potential exists that residual oil-impacted soil is present in this area.

- According to a memorandum dated February 25, 1986, approximately one barrel of displacement oil was inadvertently released from an open vent valve on the 12-inch fuel oil header near Tank 15 (PG&E, 1986a). Because the spill occurred on top of the Tank 15 retention berm, the spill flowed down both sides of the berm; reportedly, none of the oil reached Willow

Creek. According to the memorandum, the area inside Tank 15 containment area was cleaned up using absorbent pads and by shoveling the impacted soil into barrels. The area outside the Tank 15 containment area was to be cleaned up when Willow Creek receded to allow access. Because no records of the cleanup outside of the Tank 15 containment basin were available from PG&E or the regulatory agencies, it is unknown if this release was remediated. As a result, the soils in this area may have been adversely impacted by the displacement oil release.

- According to Mr. Gossard, in the late 1970s or early 1980s, an underground pipeline failed in the vicinity of the railroad tracks between Tanks 15 and 16. As a result, No. 6 fuel oil was released to Willow Creek. Although the release was reportedly cleaned up and the impacted soil was removed, no documentation regarding these remedial actions exists.

- According to Mr. Perez, in 1979 or 1980, soil saturated with No. 6 fuel oil was discovered northeast of Tank 16 (outside of the secondary containment) and south of the railroad tracks. According to Mr. Perez, the fuel oil was observed emanating from the ground. To determine the source of the fuel oil, several hand pits and trenches were excavated to a depth of five feet. Mr. Perez stated that significant amounts of fuel oil were encountered in the excavations and that the investigative activities were halted before the source of the oil was determined. It is unknown if the release was remediated.

- According to Mr. Pitner, multiple No. 6 fuel oil releases have occurred in and around Tanks 3, 4, 5, and 6. Tanks 3 and 6 had at one time reportedly been overfilled and fuel oil pumps between Tanks 3 and 4 and Tanks 5 and 6, respectively, experienced seal failure resulting in releases of fuel oil. It is unknown if the releases were remediated.

- According to Mr. Gossard, leaks of No. 6 fuel oil have occurred around Tanks 1 and 2 due to seal failures. These releases were reportedly cleaned up.

The ground surface within each of the fuel tank spill containment areas is either bare soil or soil covered with coarse gravel (rock blotter). CDM did not observe stained soil or stained rock blotter in any of the containment areas. No. 6 fuel oil is a heavy, viscous material (similar to tar) that does not flow at temperatures below 60°F. Therefore, the potential for releases of No. 6 fuel oil to significantly migrate through the soil and groundwater is low. However, unless otherwise noted, the potential exists for petroleum hydrocarbon contamination to have adversely impacted the Plant from the No. 6 fuel oil releases described above.

- According to Mr. Pitner, a large volume of fuel oil was released to the Suisun Bay when a tanker ship broke loose from its moorings on the marine terminal during the mid-1970s. As the ship drifted away from the dock, two eight-inch diameter hoses pumping oil through the on-shore pipeline disconnected and discharged oil to Suisun Bay for approximately 20 minutes. The oil slick reportedly extended from the Plant to Richmond and took months to clean up. No additional information from PG&E or regulatory agencies was available on the extent of the impacted areas or the cleanup of this release.

Switchyard

Interviews with Plant personnel and review of PG&E documents regarding the historic operation of the Switchyard revealed the following information:

- According to Mr. Pitner, a portable turbine-powered generator used for "peaking" power generation was located west of the Main Road between Tanks 6 and 7. Kerosene used to fuel the unit reportedly leaked routinely onto the ground during the two to three years that the unit was used (from the late 1970s to early 1980s). No documentation is available indicating the extent of the leaks or any cleanup activities at this location. Mr. Broyles confirmed the use of the mobile gas turbine in this area and time frame, but did not recall the leakage of fuel from this unit. Based upon Mr. Pitner's recollection of fuel leakage, hydrocarbon contaminated soils may exist in the vicinity of the former portable turbine.

- From the late 1950s until approximately 1970, the 115kV switchyard, the 230 kV switchyard, and the main bank transformers had a system for filtering and recycling dielectric fluid from the electrical equipment through a subsurface piping system. The system included two 10,000- gallon ASTs and a pump and filter press system (Bechtel, 1952). The ASTs and the filter press were formerly located adjacent to the northwest corner of the switchyard control building (see Figure 3-6).

  During the site walkthrough, a vaulted manifold system was observed in the 115kV Switchyard. The piping within the vault was disconnected and plugged, and identification tags dated June 1957 were observed on the valves. The underground piping still remains in the ground. No records of leaks, sampling, or integrity testing associated with the abandonment of this pipeline were available from PG&E or the regulatory agencies. Because hydrostatic test records of these subsurface pipelines were not reviewed by CDM, the integrity of this underground pipeline system could not be assessed. Therefore, the potential exists for releases from this pipeline to have adversely impacted the subsurface soils and/or groundwater with PCBs and petroleum hydrocarbons in the 115kV, the 230kV switchyards, and along the pipeline alignment from the control building to the main bank transformers.

  According to Mr. White, the ASTs were removed from the site in 1994. Due to leaky AST valves, soil was excavated from beneath the ASTs. According to a Twining Laboratories, Inc. report, on December 7, 1994, eight soil samples and one grab water sample were collected from the excavation and analyzed for total recoverable petroleum hydrocarbon (TRPH) and PCBs (Twining, 1994). One composite soil sample collected from the excavated soil was analyzed for metals and for hazardous waste characterization. The soil analytical results from the excavation indicated TRPH up to 370 ppm and no detectable concentrations of PCBs. The grab water analytical results indicated TRPH at 9 ppm and no detectable concentrations of PCBs. The composite soil sample indicated that the soil was non-hazardous. Based upon the Twining Laboratories, Inc. report, non-hazardous TRPH-impacted soil was identified from within the excavation for the former ASTs.

Non-Operational Area

Interviews with Plant personnel and review of PG&E documents regarding the historic use of the Non-Operational Area revealed the information presented below. A discussion of the two inactive SWMUs, the Shell Pond and Carbon Pile located in this area, is presented in Section 5.1.3, Solid Waste Management Units.

- During the site walkthrough, three rectangular basins separated by earthen berms were observed north of Willow Pass Road and west of the electrical transmission lines. Each basin was covered by a dense growth of brush, with minor amounts of standing water in the northern portion of the eastern and western basins. Various types of construction debris consisting of soil, asphalt, concrete, and reinforcing steel were observed in the eastern and middle basins. No piles of material were observed in the western basin and no hazardous materials were observed in any of these basins.

  Based upon review of aerial photographs (see Section 4.4), the rectangular basins were constructed between March 1974 and May 1976. According to Mr. Fletcher, sediment excavated from construction of the Unit 7 cooling water canal was placed into these basins. During the 1970s when this area was accessible to Willow Pass Road, it was subject to unauthorized dumping of materials from local residents (PG&E, 1996c). Because the composition of the piles observed in the eastern and middle basins is unknown, and because this area was subject to unauthorized dumping of materials from local residents, these areas may contain hazardous waste with the potential to adversely impact the site.

- During the site walkthrough, an area south of the Unit 7 cooling towers and north of the electrical transmission lines was observed to have been used for the placement of piles of construction material (see Figure 3-6). Because of the dense growth of grasses across the area, the composition of most of the piles could not be identified (Photograph 7). However, soil, asphalt, concrete, sandblast grit, tires, and two localized areas of oily sludge were observed (Photograph 8). Based upon review of aerial photographs, soil disturbance was observed in this area in April 1986. No written documentation regarding the hazardous properties, if any, of these waste piles were available from PG&E or the regulatory agencies. Based upon the observation of sandblast grit and oily sludge, the potential for contamination of soil and groundwater from these waste piles exists.

Power Generation and Operations Area

Interviews with Plant personnel and review of PG&E documents regarding the historic operation of the Power Generation and Operations Area revealed the following information presented below. A discussion of the active and inactive SWMUs located in the Power Generation and Operations Area is presented in Section 5.1.3.

- Messrs. Thompson and Pitner informed CDM that electrical equipment was historically cleaned north of power generation Units 1 through 7 in the early to mid-1980s. One of the cleaning chemicals was reportedly trichloroethane or trichloroethylene, which are chlorinated solvents. The cleaning compounds were used to clean fans located north and outside of the

power generation units. The solvent was contained on concrete pads and captured after the completion of the cleaning operation. Surface drains in the concrete pads were plugged prior to the start of cleaning operations. It was reported that this practice continued for approximately four to five years and that each fan required cleaning every two to three years. Because concrete is not impervious to these chlorinated solvents, the potential exists for soil and groundwater contamination to have resulted from this practice.

In addition, chlorinated solvents (1,1,1-trichloroethane, 1,1-dichloroethane, and 1,1-dichloroethene) were found in low concentrations (less than 300 µg/l) in the oily water collection pond, oily water effluent pond, and oil sludge pond associated with the oily water treatment systems (A.T. Kearney, 1986). The presence of these contaminants in these facilities indicates that chlorinated solvents entered surface water drains which discharge to these water treatment facilities.

- On October 6, 1994, an unknown quantity of turbine oil was reportedly released from the leak detection system for the Unit 2 lube oil reservoir. According to Mr. Zeiger, less than one-half cup of oil was found within the leak detection system for the Unit 2 lube oil reservoir. Because PG&E personnel determined that there was a potential for oil to have reached Suisun Bay, the leak was reported as a suspected release to the regulatory agencies. However, no evidence of a release was observed along the Suisun Bay shoreline or at the Plant. Based upon information provided by Mr. Zeiger, there does not appear to have been an adverse impact to the Plant or Suisun Bay from this release.

- On December 13, 1990, approximately one pound of thiourea was reportedly released to the San Joaquin River via the oily water treatment system. According to Mr. Gossard, a release was suspected because boiler cleaning solutions were discharged to the basement sumps which automatically pump liquids to the oily water treatment system. The oily water treatment system ultimately discharges to Suisun Bay. However, upon further investigation by PG&E, it was determined that the basements sumps were not automatically pumping liquids to the oily water treatment system during the boiler cleaning process and that the chemical was contained in the basement sumps. Therefore, the thiourea release was inadvertently reported to the regulatory agencies. No adverse impact to the Plant is known to have occurred.

According to a letter prepared by PG&E to the DTSC dated November 15, 1996, several historical waste handling practices at the Plant were identified as having occurred prior to 1971 (PG&E, 1996c). These waste handling practices are described below:

- Accumulated wastes from the clarifier sludge pond and the oily water treatment system were believed to have been disposed of on site. In addition, unauthorized disposal of materials by local residents reportedly occurred. These disposal areas are unknown; PG&E is currently conducting research to determine the disposal location(s). Because these wastes may have contained hazardous constituents, the site may have been adversely impacted.

- Cleaning compounds and spills or leaks of transformer oil were reportedly discharged to the rock blotter surrounding the base of the transformers. However, beginning in 1971, drainage from the transformers was rerouted to the Plant's oily water treatment system. Because PG&E did not identify whether these activities were restricted to the main bank or switchyard transformers, the potential exists that the cleaning compounds and/or transformer oil were discharged to the rock blotter in both areas. Because cleaning compounds may contain hazardous constituents, discharge of these compounds and spills or leaks of transformer oil may have adversely impacted the site.

Surrounding Properties

- *The Harris Yacht Harbor (100 Trojan Road)* - This site is located at the southwest end of the site boundary (see Figure 3-2). Based on results of a Phase I ESA conducted by Environmental Science and Engineering (ESE) in 1995, several recognized environmental conditions were observed. Suspect asbestos floor tile and ceiling panels were observed. Various types and quantities of hazardous materials were stored on the property including waste oil, batteries, canisters and 55-gallon drums of flammable and corrosive liquids, compressed acetylene and oxygen gas cylinders, and suspect lead-based paint chips and dust. Surficial staining was observed within the warehouse and around the waste oil storage shed. The property was formerly used for electrical equipment repair and storage. Violations for handling, storage and discharge of wastes were noted for this repair facility prior to ceasing operations on the property (ESE, 1995). According to Mr. Williams, electric motors were formerly stored and refurbished at this site by Cord Electric Company. Refurbishing operations included sandblasting, painting and repair of electric motors.

Based upon ESE's assessment, the potential for soil and/or groundwater contamination exists from both historical and current operations at this site. Therefore, the potential exists for contaminated groundwater at this site to adversely impact the Plant.

- Based upon review of aerial photographs (see Section 4.4), several parcels on West 10th Street south of Tanks 10 and 11 were observed to serve as automobile storage or salvage lots. Dark-colored soils were observed in the central portion of the lot south of Tank 11. Several automobile storage lots were also observed along Willow Pass Road. Because stored vehicles have the potential to leak fluids which can contaminate the soil and/or groundwater, the potential for migration of contaminants through the groundwater from these sites to the Plant exists.

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. A total of 18 SWMUs (16 in the Power Generation Area and 2 in the Non-Operational Area) 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. A RCRA Facility Investigation (RFI) was conducted to investigate five SWMUs suspected of releases as identified in the RFA. The RFI concluded that none of the five subject SWMUs required further investigative

action or a corrective measures study (Mittelhauser, 1991). The regulatory agencies have since granted clean closure status to each of the five subject SWMUs as well as to the clarifier sludge pond which has been converted to AST containment (DTSC, 1996). The SWMUs and their associated operation and RCRA status are identified in Table 5-2, Solid Waste Management Units. The Class I and Class II surface impoundments are shown on Figure 5-1, Solid Waste Management Units.

Four of the existing SWMUs are Class I (hazardous waste) surface impoundments, and one of the existing SWMUs is a Class II (non-hazardous waste) surface impoundment. The Class I SWMUs have a RCRA Part B permit (expiration date November 13, 1997) from the EPA, and a Hazardous Waste permit (expiration date January 19, 2005) from the DTSC. According to Mr. Gallo, the EPA hazardous waste permit was issued before the DTSC was granted full authority by the EPA. The DTSC currently has complete regulatory authority over the SWMUs. The Class II SWMU is regulated by Waste Discharge Requirements issued from the RWQCB.

- *SWMU 4.1 — Boiler Chemical Cleaning Pond (Chemical Side).* The boilers at the Plant are periodically cleaned with a proprietary cleaning solution (once or twice per year) to maintain their efficiency by removing built-up scale and rust. After cleaning, the spent solution is discharged to the boiler chemical cleaning pond (Photograph 9). The spent solution has a low pH and contains solids (i.e., rust) and dissolved metal ions, such as iron, nickel, copper, lead, and chromium (Cr^{+3}).

  Typically, the spent solution is allowed to evaporate. However, after pH adjustment and metals precipitation, the resulting liquid referred to as supernatant can be discharged to Suisun Bay in accordance with the Plant's NPDES permit. The residual solids are manually removed from the SWMU on an annual basis and transported off site to an approved Class I hazardous waste facility for disposal.

  PG&E is currently experimenting with the use of EDTA as an alternative active ingredient for the boiler cleaning solution. Therefore, EDTA is periodically discharged to this SWMU after boiler cleaning activities.

  The boiler chemical cleaning pond (chemical side) is constructed of three-inch thick reinforced concrete walls with 80-mil high density polyethylene (HDPE) triple liners. This SWMU has primary and secondary leachate collection and detection systems (LCDS) and a tertiary collection system for groundwater that infiltrates through the concrete walls (Mittelhauser, 1994). Plant personnel inspect the SWMU daily for liquid level, malfunctions, and visible signs of wear (PG&E, 1985b).

- *SWMU 4.1 — Boiler Chemical Cleaning Pond (Rinse Side).* After draining the active cleaning solution from the boilers (see above), the boilers are rinsed with fresh water (Photograph 9). This solution is discharged to the boiler chemical cleaning rinse pond. The chemical properties of boiler cleaning rinse solution are similar to the boiler cleaning solution, although significantly more dilute.

Table 5-2
Solid Waste Management Units

Solid Waste Management Unit	Operational Status	RCRA Process
4.1 - Boiler Chemical Cleaning Pond (Chemical Side)	Class I - In Use	RFA - 1986
4.1 - Boiler Chemical Cleaning Pond (Rinse Side)	Class I - In Use	RFA - 1986
4.2 - Air Preheater Wash Pond	Class I - In Use	RFA - 1986
4.3 - Demineralizer Neutralization Pond (Units 1-6)	Class I - In Use	RFA - 1986
4.4 - Unit 7 Demineralizer Neutralization Tank	In Use	RFA - 1986 RFI - 1991 Clean Closure*- 1996
4.5 - Oily Water Collection Pond/API Separator	Class II - In Use	RFA - 1986
4.6 - Oily Water Sump	In Use	RFA - 1986 RFI - 1991 Clean Closure*- 1994
4.7 - Air Flotation Oil/Water Separator	In Use	RFA - 1986
4.8 - Oily Water System Effluent Pond	No Longer In Use	RFA - 1986 RFI - 1991 Clean Closure - 1994
4.9 - Oil Sludge Pond	No Longer In Use	RFA - 1986 Closure Pending
4.10 - Clarifier Sludge Pond	Former Class II Converted to AST Containment	RFA - 1986 Clean Closure - 1995
4.11 - Waste Sandblasting Grit Pile	In Use	RFA - 1986
4.12 - Carbon Pile	No Longer In Use	RFA - 1986 CMS - 1996 Remediation Pending
4.13 - Units 1-6 Secondary Regulator Gas Oil Pits	In Use	RFA - 1986 RFI - 1991 Clean Closure*- 1996
4.14 - Hazardous Solid Waste Storage Area	No Longer In Use	RFA - 1986 Visual Inspection Recommended
4.15 - Asbestos and Paint Dept. Waste Storage Area	No Longer In Use	RFA - 1986 RFI - 1991 Clean Closure - 1996
4.16 - Liquid Hazardous Waste Storage Area	No Longer In Use	RFA - 1986 Visual Inspection Recommended
4.17 - Steam Cleaning Area	No Longer In Use	RFA - 1986 Visual Inspection Recommended
4.18 - Former Wastewater Treatment Unit (Shell Pond)	No Longer In Use	RFA - 1986 CMS - 1996 Remediation Pending

Sources: A.T. Kearney, 1986; DTSC, 1996; Mittelhauser, 1991; PG&E, 1995d; and RWQCB, 1994a.

* Although still operational, clean closure indicates that the unit is no longer regulated under Title 23, Chapter 15, California Code of Regulations.

The rinse solution is either allowed to evaporate or the supernatant is discharged to Suisun Bay in accordance with the Plant's NPDES permit. The residual solids are manually removed from the SWMU on an annually basis and transported off site to an approved Class I hazardous waste facility for disposal.

The boiler chemical cleaning pond (rinse side) is constructed of three-inch thick reinforced concrete walls with 80-mil HDPE triple liners. This SWMU has primary and secondary LCDS and a tertiary collection system for groundwater that infiltrates through the concrete walls (Mittelhauser, 1994). Plant personnel inspect the SWMU daily for liquid level, malfunctions, and visible signs of wear (PG&E, 1985b).

- *SWMU 4.2 — Air Preheater Wash Pond.* The air preheater, boiler fireside, and exhaust stack are periodically washed with fresh water to remove built up debris, such as rust and fly ash. After cleaning, the wash solution is discharged to the air preheater wash pond (Photograph 10). The wash solution has a low pH (because of the fly ash) and contains solids (i.e., rust) and metals such as iron, nickel, copper, lead, and chromium.

  The wash solution is either allowed to evaporate or is discharged (after settling and pH adjustment) to Suisun Bay in accordance with the Plant's NPDES permit. The residual solids are manually removed from the pond on an annual basis and transported off site to an approved Class I hazardous waste facility for disposal.

  The air preheater wash pond is constructed of three-inch thick reinforced concrete walls with 80-mil HDPE triple liners. This SWMU has primary and secondary LCDS and a tertiary collection system for groundwater that infiltrates through the concrete walls (Mittelhauser, 1994). Plant personnel inspect the SWMU daily for liquid level, malfunctions, and visible signs of wear (PG&E, 1985b).

- *SWMU 4.3 — Demineralizer Neutralization Pond (Units 1 through 6).* The Plant uses ion exchange beds (demineralizers) to purify water for use in the boilers by removing dissolved solids such as sodium chloride and calcium carbonate from the water. The demineralizers are regenerated with sulfuric acid and sodium hydroxide every three to five days and the spent regeneration solutions for Units 1 through 6 are discharged to the demineralizer neutralization pond (Photograph 11) . Unit 7 has a separate demineralizer neutralization vessel.

  The spent regeneration solutions are neutralized in the demineralizer neutralization pond and is either allowed to evaporate or is discharged (after pH adjustment) to Suisun Bay in accordance with the Plant's NPDES permit. The residual solids are manually removed from the pond on an annual basis and transported off site to an approved Class I hazardous waste facility for disposal.

  The demineralizer neutralization pond (Units 1 through 6) is constructed of four-inch thick reinforced concrete walls with 80-mil HDPE triple liners. This SWMU has primary and secondary LCDS and a tertiary collection system for groundwater-that infiltrates through the

concrete walls (Mittelhauser, 1994). Plant personnel inspect the SWMU every four hours for liquid level, malfunctions, and visible signs of wear (PG&E, 1985b).

- *SWMU 4.4 — Unit 7 Demineralizer Neutralization Tank.* Spent regeneration solutions for Unit 7 are processed in a designated demineralizer neutralization tank. This 20,000-gallon, epoxy-lined, concrete underground tank is currently used to neutralize demineralizer regeneration solutions. Neutralized effluent from the tank flows to the Unit 7 cooling water canal. The RFI (Mittelhauser, 1991) concluded that no releases have occurred from this tank. In March 1996, the DTSC concurred with the RWQCB's evaluation of this SWMU and approved a clean closure (DTSC, 1996).

- *SWMU 4.5 — Oily Water Collection Pond (OWCP)/API Separator.* The OWCP is the first unit of the oily water treatment system which receives oily wastewater from building drains, fuel oil tanks, containment areas, and yard runoff (Photograph 12). The wastewater that collects in the OWCP flows to an "API"-type gravity oil/water separator and is then pumped into a "Dissolved Air Flotation" (DAF) tank. Skimmed oil and oily sludge are pumped to an oil sludge tank located adjacent to the OWCP. The treated effluent from the treatment system is discharged to Suisun Bay along with once-through cooling water in accordance with the Plant's NPDES permit, and the oil sludge is transported off site for recycling.

  The OWCP is constructed of four-inch thick concrete walls and base with a 80-mil HDPE primary liner and a 60-mil HDPE secondary liner. This SWMU has a LCDS between the liner and concrete base (RWQCB, 1994b). Plant personnel inspect the SWMU daily for liquid level, malfunctions, and visible signs of wear (PG&E, 1985b).

- *SWMU 4.6 — Oily Water Sump.* The oily water sump is located in the northeast corner of the Plant and serves as an underground component of the oily water treatment system. The sump consists of two underground chambers which received oily wastewater from the power generation units and stormwater runoff from the yard (Mittelhauser, 1991). Wastes managed in this unit consist of petroleum hydrocarbons and heavy metals. Based upon the RFI, oily effluent was released when the south chamber was overtopped. However, it was concluded that concentrations of volatile organic compounds (VOCs) and heavy metals were less than health and environmental-based levels or background standards for the Plant. The oily water sump received clean closure from the RWQCB in 1994 and from the DTSC in 1996 (DTSC, 1996).

- *SWMU 4.7 — Air Flotation Oil/Water Separator.* This unit is located in the northeast corner of the Plant. The air flotation oil/water separator is a steel tank with a capacity of 7,000 gallons and receives effluent from the oily water sump. Wastes managed in this unit consist of oil and sludge (A.T. Kearney, 1986). Conclusions presented in the RFA stated that the potential for a release from this area was minimal; this unit was not investigated further.

- *SWMU 4.8 — Oily Water System Effluent Pond.* The oily water system effluent pond received effluent from the oily water treatment system and provided final treatment of the effluent (skimming) prior to discharge to Suisun Bay. This unit received clean closure in 1994 from the

RWQCB (RWQCB, 1994a). This system has since been removed. The oily water system effluent pond was constructed of four-inch thick concrete walls. Plant personnel inspected the SWMU daily for liquid levels, malfunctions, and visible signs of wear (PG&E, 1985b).

- *SWMU 4.9 — Oil Sludge Pond.* The Oil Sludge Pond, which was formerly a RCRA-regulated SWMU, received skimmed oil and sludge from the oily water treatment system. The oil and sludge were held in this pond until they were removed with a vacuum truck and transported off site to an appropriate facility for disposal. This unit has been replaced by an AST. In 1990, the Mark Group completed a closure certification report for this former SWMU (Mark Group, 1990). Closure of this former SWMU is pending agency approval. The oil sludge pond was constructed of four-inch thick concrete walls. Plant personnel inspected the SWMU every four hours for liquid levels, malfunctions, and visible signs of wear (PG&E, 1985b).

- *SWMU 4.10 — Clarifier Sludge Pond.* The clarifier sludge pond was used for treating building drain effluent from the reverse osmosis building and filter and clarifier blowdown (the filter and clarifier provide pretreatment for water subsequently processed by the reverse osmosis and demineralizer units). The pond also provided final treatment of the wastewater prior to discharge to Suisun Bay. This unit has been replaced by an AST and is no longer in use. Clean closure of this unit was approved by the RWQCB in October 1995 (RWQCB, 1995a).

  The clarifier sludge pond was constructed of four-inch thick concrete walls and base with a 80-mil HDPE primary liner and a 60-mil HDPE secondary liner. The HDPE liners have been removed and the concrete walls and base are used as secondary containment for the ASTs.

- *SWMU 4.11 — Waste Sandblasting Grit Pile.* This unit is located north of the stacks for Units 5 and 6. Wastes managed include sand from sandblasting operations (A.T. Kearney, 1986). Conclusions presented in the RFA indicated that the solid wastes placed in this area were not known to contain hazardous constituents and therefore there was no known potential for a release of hazardous constituents to the environment.

- *SWMU 4.12 — Carbon Pile.* This unit is discussed together with SWMU 4.18, Shell Pond.

- *SWMU 4.13 — Units 1-6 Secondary Regulator Gas Oil Pits.* This unit is located north of Units 1 through 6 and consists of six separate metal underground tanks for the accumulation of natural gas condensate (A.T. Kearney, 1986). According to the RFI, the quantities of condensate collected in these tanks is minimal and is immediately transported off site. Conclusions presented in the RFA indicated that the potential for release from these pits is minimal.

- *SWMU 4.14 — Hazardous Solid Waste Storage Area.* This unit was formerly located north of Units 1 through 4 and was used for storage (less than 90 days) of containerized oil, oily rags and paint cans (A.T. Kearney, 1986). According to the RFA, approximately 45 drums were observed on pallets on top of an unbermed, cracked concrete slab, and there was no evidence of a release. Conclusions presented in the RFA stated that because the concrete slab is cracked and unbermed, the potential for a release to soils exists; however, the unit was not

investigated further. However, a visual site inspection was recommended to determine if there was any evidence of drum leakage inside the building.

- *SWMU 4.15 — Asbestos and Paint Department Waste Storage Area.* According to the RFI (Mittelhauser, 1991), the asbestos and paint department waste storage area was used for storage of painting materials until 1989. Operations in this area were conducted on a seven-inch thick concrete pad and on an unpaved surface. Based upon the observation of paint stains and cracks in the concrete pad which would allow for migration of spilled materials, subsurface soil sampling was conducted by Mittelhauser Corp. The constituents of concern from the materials that were stored at this former SWMU were: naphthenes, toluene, ethylene glycol, mono butyl ether, sodium metasilicate, methylene chloride, methyl alcohol, isopropanol, asbestos, and petroleum hydrocarbons.

  The soil analytical results indicated concentrations of total, soluble, and deionized water soluble chromium, vanadium, lead, and zinc. Petroleum hydrocarbons were not detected. In March 1996, the DTSC concurred with the RWQCB's evaluation of this area and approved a clean closure (DTSC, 1996). However, analytical tests for volatile organic compounds such as naphthene and methylene chloride were not conducted.

  Based upon the observed staining and the constituents of concern for this area as reported by Mittelhauser, CDM believes that residual concentrations of volatile organic compounds may persist in the soil in this area.

- *SWMU 4.16 — Liquid Hazardous Waste Storage Area.* The liquid hazardous waste storage area was formerly located on the northeast end of the Plant within the steam cleaning area. Wastes managed in this area included solvents, oils and PCB-containing wastes (A.T. Kearney, 1986). The wastes were stored in drums located on pallets over a concrete paved and curbed area. Although conclusions presented in the RFA stated that the potential for a release from this area was minimal, it was recommended that a visual inspection be conducted to observe for leakage from the drums and to observe the concrete liner.

  No written records regarding an inspection of the concrete liner were available from PG&E or the regulatory agencies. PG&E has not reported any releases from this area. During CDM's walkthrough, the concrete curb and pad appeared to be in good condition. Therefore, it does not appear that the former use of the steam cleaning area for liquid hazardous waste storage has adversely impacted the Plant.

- *SWMU 4.17 — Steam Cleaning Area.* The steam cleaning area, located on the northeast end of the Plant, was formerly used for cleaning of machinery and equipment (A.T. Kearney, 1986). Wastes managed at this unit likely included oils and solvents. The steam cleaning area consists of an approximately 30 foot by 30 foot, concrete paved and curbed pad with an 8 foot by 8 foot by 4 foot deep concrete sump. The startup date of the steam cleaning area is unknown, but according to Mr. Fletcher, this area was last used in 1991 or 1992. Because the sump does not drain, steam cleaning effluent was removed with a vacuum truck. Although the conclusions presented in the RFA stated that the potential for a release from this area was

minimal, it was recommended that the sump be inspected to verify its integrity and to observe for any evidence of a release.

No written records regarding an inspection of the integrity of the sump was available from PG&E or the regulatory agencies. PG&E has not reported any releases from this area. During CDM's walkthrough, the concrete curb and pad appeared to be in good condition. Therefore, it does not appear that the former use of the steam cleaning area has adversely impacted the Plant.

- *SWMUs 4.18 and 4.12 — Shell Pond and Carbon Pile.* Two SWMUs (Shell Pond and the Carbon Pile) which were formerly used by the Shell Oil Company (Shell) for containment of wastewater and stormwater and for storage of carbon slurry, respectively, are located at the western end of the site (see Figure 3-2). PG&E purchased the property in 1973. Neither of these two SWMUs are currently in use. Each SWMU was investigated as part of the RFA and each unit was included in a Corrective Measures Study (PG&E, 1996a). Neither of these two SWMUs have been granted clean closure by the regulatory agencies.

  The Shell Pond (Photographs 6 and 13) is approximately 72 acres in size and the Carbon Pile (Photograph 14) is approximately 11 acres in size. In the 1940s, Shell constructed an 11-acre pond at the location of the Carbon Pile to receive and treat wastewater and stormwater from the Shell ammonia plant which was located south of the Shell Pond and Carbon Pile. Shortly thereafter, the Shell Pond was constructed for the containment of wastewater and stormwater and the Carbon Pile area was converted for storage of carbon slurry.

  Between the time of construction and 1972, wastewater and stormwater entered the Shell Pond from the southeast corner and was discharged to Suisun Bay from the northwest corner. The Shell Pond was used for treating effluent from natural gas cracking and by-product recovery, nitrogen production, fertilizer production, catalyst production, and resin production.

  In 1972, discharge from the Shell Pond ceased, but the pond continued to be used by Shell for the storage of untreated (non-contact) cooling water until 1980. Since 1980, the Shell Pond has not been used for wastewater or stormwater, but has been kept flooded to prevent wind-blown dust. The Shell Pond was estimated to contain about 40,000 cubic yards of carbon black, up to five feet deep.

  The Shell Pond and the Carbon Pile have been recognized by both the State and Federal EPA as contaminated sites. In 1981, California listed this area on the Bond Expenditures Act list (state Superfund list) and in 1986, the U.S. EPA listed the Shell Pond and Carbon Pile as RCRA SWMUs in an RFA.

  In 1983, PG&E conducted a site characterization study of the Shell Pond and Carbon Pile. A variety of compounds were detected, including pesticides, metals, and solvents. However, most detections were at very low concentrations, and distribution of the contaminants was sporadic. The 1986 RFA concluded that the Shell Pond and the Carbon Pile have not released

metals or organic contaminants to groundwater, but indicated that there is a lack of release control.

In March 1996, PG&E and Shell Oil Company jointly conducted a supplemental sampling program and prepared a Corrective Measures Study Plan for submission to the DTSC. The purpose of this study was to develop remedies encouraging enhancements of wetlands, fish and wildlife habitat.

In October 1996, Pacific Environmental Group, Inc. conducted a subsurface investigation of the Carbon Pile. Soil samples from 44 borings were collected within the Carbon Pile area and analyzed for TRPH, VOCs, semi-volatile organic compounds (SVOCs), and metals; groundwater samples were also collected from five existing groundwater monitoring wells and analyzed for VOCs (PEG, 1997).

Soil samples collected from the borings indicated that TRPH was detected from all but two borings from the ground surface to a depth of 20 feet at concentrations ranging from 69 to 11,000 ppm. In general, the highest concentrations of TRPH were within the upper five feet of the ground surface. Copper and lead were detected at concentrations up to 1,400 ppm in the southeastern corner of the Carbon Pile.

VOCs were detected in soil samples across the eastern portion of the carbon pile, and SVOCs were detected in soil samples at low concentrations in the southeastern portion of the Carbon Pile. Benzene was detected in samples from three borings in the southeastern corner of the Carbon Pile at concentrations up to 42 ppm.

The groundwater analytical results indicated that VOCs were detected from only two of the five wells. Vinyl acetate was detected at 5.4 parts per billion (ppb) and bromomethane was detected at 140 ppb.

The Shell Pond and Carbon Pile are areas of environmental concern with multiple agency oversight most notably the DTSC and the RWQCB, but including the California Department of Fish and Game (CDFG), the Army Corps of Engineers, and the CCCHSD. The documents reviewed indicate that remedial measures will need to be undertaken.

Groundwater Monitoring at SWMUs

Groundwater monitoring wells were installed in the area of the Class I and Class II SWMUs to monitor the quality of water underlying these facilities. Monitoring of the Class I SWMUs is performed by analyzing groundwater from seven wells screened in the Upper Aquifer for metals, salts, and ammonia. Monitoring of the Class II SWMU is performed by analyzing groundwater from three wells screened in the perched zone for magnesium, salts, and total petroleum hydrocarbons (TPH).

Review of the Plant's 1995 Annual Groundwater Monitoring Report (PG&E, 1996d) indicated that none of the analytical parameters were detected above the State of California primary maximum contaminant levels during the year. TPH was detected in two of the three wells screened in the perched groundwater zone in trace (parts per billion) amounts.

5.2 Solid Waste/Non-Hazardous Waste

Solid and non-hazardous waste is primarily generated within the Power Generation and Operations Area. These waste consists primarily of typical yard waste, debris removed from traveling screens, paper, and wood. Hazardous waste, oils, and asbestos-containing materials are segregated from the solid waste stream. Solid waste is disposed off site through a contracted solid waste hauler. As observed by CDM during the June 4 and 5, 1996 site walkthrough, the Plant property was well maintained with solid waste being placed in dumpsters.

Non-Operational Area

- During the site walkthrough, an area of fill located south of the Mallard Pump Station (see Figure 3-2) was identified by Mr. Fletcher. Although the fill pile was partially covered with vegetation, it appeared that the fill was composed mostly of soil with minor amounts of asphalt and concrete. According to Mr. Fletcher, the fill originated from dredging of the Pittsburg marina and was placed in the late 1980s to early 1990s. According to Mr. Bob Jones of PG&E, the fill pile should only contain sediments derived from the marina expansion and construction of the homes adjacent to the marina. Mr. Jones further indicated that oversight of fill placement was performed by PG&E. Although no records were available from PG&E or the regulatory agencies regarding the hazardous characteristics, if any, of this fill, the conditions observed by CDM did not indicate environmental impairment of the site.

- Based upon review of aerial photographs and topographic maps, fill was placed between Harris Yacht Harbor and the Shell Pond between 1918 and 1952. Based upon information provided by Mr. Joe Riccobuano, a tenant residing in this area for the past 30 years, the fill was derived from the dredging of the Harris Yacht Harbor. Although no records were available from PG&E or the regulatory agencies regarding the hazardous characteristics, if any, of this fill, the conditions observed by CDM did not indicate environmental impairment of the site.

Power Generation and Operations Area

Facility employees are responsible for the management of non-hazardous waste generated at the Plant. The waste is placed in dumpsters located throughout the Plant. During the site walkthrough, the following was observed:

- Piles of rubble consisting of soil, broken concrete and asphalt, empty containers, and broken pipes were observed along the northern portion of the cooling water canal (see Figure 3-6 and Photograph 15). In addition, two historic tanks were observed at the western end of the cooling water canal.

According to a sampling and characterization report for spoil piles at the Plant prepared by PG&E, approximately 1,900 cubic yards of spoil from construction activities were placed adjacent to the cooling tower in the 1980s and early 1990s (PG&E, 1997). Based upon analytical results of composite soil samples, this spoil pile on the northeastern side of the canal is not a hazardous waste. However, TPH as diesel and TPH as motor oil were detected up to 1,200 and 3,700 ppm, respectively. PCBs were not detected in any of the composite soil samples. Because petroleum hydrocarbons up to 3,700 ppm were detected within the spoil pile, the potential exists that this fill could adversely impact the site.

- During the site walkthrough, an area immediately south of the Unit 7 cooling towers was observed to have been used for the placement of soil piles mixed with various types of construction materials (see Figure 3-6). Because of the dense growth of grasses across the area, the composition of the piles could not be determined. However, soil and pieces of asphalt, concrete, and PVC pipe were observed. Based upon review of aerial photographs, soil disturbance was observed in this area in April 1986. No hazardous materials were observed in the waste piles during the walkthrough and no written documentation regarding the hazardous properties, if any, of these waste piles was available from PG&E or the regulatory agencies. Because the waste piles contain similar construction materials as the piles north of the cooling canal, the potential exists for materials within these piles to adversely impact the Plant.

5.3 Polychlorinated Biphenyls

PG&E has established a program of removal and replacement of PCB-containing equipment. The Plant guidance document, Oil-Filled Electrical Equipment Survey for PCB Management, states that PCBs are managed according to requirements specified in Title 40 of the Code of Federal Regulations (CFR) 761 and California state regulations (PG&E, 1994b). This document further states that the Plant does not operate any oil-filled electrical equipment which triggers any TSCA regulatory requirements for PCB-containing equipment (50 ppm or greater). According to inventory records, there is currently no electrical equipment with a PCB concentration greater than 50 ppm at the Plant (PG&E, 1994b). However, based upon the age of the Plant (constructed in 1954) and because PCBs have historically been used in dielectric fluid, the potential exists for PCBs to have historically been present in electrical equipment at concentrations greater than 50 ppm. PG&E's policy includes replacement and disposal of any PCB-containing light ballasts discovered during routine maintenance.

Interviews with Plant personnel and review of PG&E documents regarding the historic operation of the Fuel Tank Farm, Switchyard, and Power Generation and Operations Area revealed the following information:

Fuel Tank Farm

- In the mid-1970s, Mr. Pitner witnessed a fire in the area of the natural gas regulation station (see Figure 3-4). A natural gas pipeline flange broke and the escaping natural gas caught fire and burned for over one hour. Mr. Pitner recalls that there may have been PCBs in the natural

gas stream. The possible presence of PCBs in natural gas was addressed during the RFA meeting attended by Mr. Simpson and Ms. Oliver of PG&E on August 8, 1986 (A.T. Kearney, 1986). According to notes taken from the meeting, PCB oils may have been historically used in natural gas scrubbing systems and that trace amounts may still exist in natural gas pipelines. Based on this information, soil and/or groundwater contamination from this event, if any, appears de minimis.

Switchyard

Ms. Franks and Mr. White were interviewed regarding knowledge of any PCB-related releases in the Switchyard. Neither individual was aware of any equipment failures where fluids were released to the Switchyard. However, because PCBs may have been used in dielectric fluid, and because the integrity of the underground piping for the former oil transfer system is unknown (see Section 5.5.2), the potential exists that the subsurface soils may have been impacted by PCBs from underground piping leaks.

Power Generation and Operation Area

- On September 21, 1993, a DTSC inspector discovered discolored rock blotter beneath Unit 4A phase main bank electrical transformer. In October 1993, analytical testing of wipe samples of the stained surface of the rock blotter indicated no detectable concentrations of PCBs. In May 1994, approximately 15 cubic yards of discolored rock were removed from beneath the transformer and disposed of at an approved offsite facility. A concrete base pad was observed at a depth of six-inches beneath the rock blotter. No stained soil was observed during removal of the rock blotter (PG&E, 1994c).

  Based upon PG&E's documentation of the release and the clean-up operations, it is unlikely that there is any residual impact to the rock blotter or soil from this release.

5.4 Asbestos-Containing Materials

The Plant's Asbestos Operations and Maintenance Program Document describes work practices followed to ensure that potential asbestos-containing material (ACM) hazards are addressed safely (PG&E, 1996e). Program components include a description of ACM-related work responsibilities, employee training requirements, procedures for reporting potential hazards, sampling responsibilities, safety precautions during abatement, inspection programs and waste management responsibilities. As Plant conditions warrant, ACM is managed or abated as equipment is serviced.

It is CDM's understanding that there is no asbestos survey identifying where asbestos-containing materials are located at the Plant. During insulation removal operations, Plant personnel assume that all material is suspect ACM and manage the material accordingly. CDM did not observe evidence of damaged or friable suspected ACM during the walkthrough. CDM's work did not include any ACM surveying or testing. CDM conducted only preliminary observation for ACM that would be evident from the visual walkthrough.

Power Generation and Operations Area

Mr. Welch informed CDM that it is likely that most of the insulation for Units 1 through 6 contains ACM due to the age of the units. Units 1 through 4 commenced operations in 1954, and Units 5 and 6 commenced operations in 1960-1961. Mr. Welch was not certain of the presence of ACM associated with Unit 7 but believes that most of the insulation did not contain ACM.

5.5 Storage Tanks

This section of the Phase I ESA discusses underground storage tanks (USTs) and ASTs at the Plant.

5.5.1 Underground Storage Tanks

Switchyard

Based on CDM's site walkthrough and review of CCCHSD records, one UST was formerly located adjacent to the Switchyard control building (see Figure 3-4). The history of the tank removal is as follows:

- In 1986, a 6,000-gallon unleaded gasoline UST and its associated piping failed a tightness test. In July 1986, the UST and piping were removed, soil was excavated, and water was pumped from the excavation. The soil was aerated on site and the water pumped from the excavation was stored in the oily sludge pond prior to offsite disposal as hazardous waste. Soil and groundwater analytical results from samples collected from the excavation indicate up to 260 and 350 ppm of TPH as gasoline, respectively. As a final procedure, the pit was filled with pea gravel and clean fill (PG&E, 1986b).

  The information obtained indicates that some residual TPH may remain in the soil and groundwater in the vicinity of the removed UST. Based upon biodegradation of petroleum hydrocarbons, it is likely that the soil and groundwater concentrations have decreased since the initial sample collection date. Because petroleum hydrocarbon concentrations have likely decreased, and because the local enforcement agency has maintained records of this release without requiring any remedial action by PG&E, this condition appears de minimis

Surrounding Properties

Reported UST leaks at offsite properties listed in Table 4-1 are discussed below. The location of each site is identified on Figure 3-2.

- *Sonoco (Continental) Fibre Drum (701 Willow Pass Road)* - This property is located on Willow Pass Road southwest of the main gate at the Plant. The VISTA report identifies a 1973 release from an underground heating oil tank that reached groundwater. RWQCB files indicate that soil and groundwater samples were collected and analyzed for petroleum hydrocarbons (method 8015) and purgeable aromatics (method 602). Petroleum hydrocarbons were detected in the soil (920 ppm) and groundwater (8 ppm) adjacent to the north side of the building. Due to the viscous nature of No. 6 fuel oil and the detected concentrations, it is unlikely that the Plant has been adversely impacted from this release.

- *Union Beverage (640 West 10th Street)* - This property is located south of Tanks 10 and 11. The VISTA report identifies a release discovered in 1987 from an underground gasoline tank, which affected soil. The CCCHSD did not have records on this site and the RWQCB records confirmed that only soil was contaminated. Therefore, it is unlikely that this release has adversely impacted the Plant.

- *Performance Mechanical (630 West 10th Street)* - This site is located south of Tanks 10 and 11. The VISTA report identifies a release discovered in 1990 from an underground gasoline tank, which affected soil. The CCCHSD files indicate a tank removal, and the RWQCB files indicate only soil contamination. Therefore, it is unlikely that this release has adversely impacted the Plant.

- *Trench Plate 2 (522 West 10th Street)* - This site is located south of Tank 9. The VISTA report identified a release discovered in 1988 from an underground diesel tank which affected groundwater. The CCCHSD files indicate soil contamination of oil and grease, and RWQCB files indicate diesel contamination in the groundwater. However, there is no active agency-directed remedial activities at this site. Because this site is located upgradient (with respect to groundwater flow) from the Plant, the potential exists for releases at this property to have adversely affected the Plant.

- *Criterion Catalyst (2850 Willow Pass Road)* - This site is located south of the Carbon Pile in the Non-Operational Area. Regulatory agency review indicates that the soil at this site had significant diesel fuel contamination from a release discovered in 1988. The contaminated soil was excavated and confirmatory samples collected at the bottom of the excavation indicated hydrocarbon concentrations less than 50 ppm. Consequently, it is unlikely that this reported contamination would adversely impact the Plant.

- *Motor Transport Terminals (805 Port Chicago Highway)* - This site is located adjacent to the southwestern corner of the Plant. This site is listed as having contaminants including an unidentified organic liquid mixture, waste oil and mixed oil, and hydrocarbon solvents. Review of RWQCB and DTSC files indicate that the CCCHSD conducted a site inspection on December 2, 1986. During the inspection, epoxy and solvent containers, oily waste containers, a gasoline dispenser, and an industrial water supply well were observed. In addition, the inspector was informed of a 10,000-gallon gasoline UST. The various waste material was removed from the site and on December 29, 1986, the UST was removed. A soil sample collected from beneath the UST indicated no petroleum hydrocarbon contamination. On November 10, 1988, the EPA indicated that no further action was necessary at this site. Based upon the reported lack of contamination at this site and on EPA's recommendation of no further action, it appears that there is no adverse impact from this site on the Plant.

- *Triangle PWC (1666 Willow Pass Road)* - This site is located south of the Mallard Pump Station. The VISTA report identifies a release discovered in 1986 from an unleaded gasoline UST which impacted soil. VISTA indicates that the affected soil was excavated for disposal. RWQCB files indicate this listing is a result of a zinc plating solution release in 1972. DTSC

files indicate that groundwater samples collected from four wells at the site in 1985 did not exceed drinking water standards established for priority pollutant metals. However, hazardous concentrations of lead and zinc were detected in soil samples during this same investigation. Based upon data that indicates contamination is restricted to the soil, it is unlikely that this site would adversely impact the Plant.

5.5.2 Aboveground Storage Tanks

ASTs associated with the Plant are found within the Fuel Tank Farm, Switchyard, and the Power Generation and Operations Area.

Fuel oil ASTs were previously discussed in Section 5.1.1. As a result, only non-fuel oil ASTs are discussed in this section. Unless otherwise specified, no evidence of spills or leaks were identified with respect to non-fuel oil ASTs.

Fuel Tank Farm

Former Gas Regulation Station Condensate Tank - According to Mr. Mark Smith with the California Gas Transmission Department of PG&E, in 1995 one small (approximately 250 gallon) AST with no secondary containment used for the collection of natural gas condensate was removed from the gas regulation station. No natural gas condensate leaks or spills were reported to CDM by Mr. Smith and no written records of the AST removal were available from the regulatory agencies or from PG&E. Because no leaks or spills from this tank were reported to CDM, it does not appear that the Plant was adversely impacted by this AST.

Switchyard

Vehicle Fueling Tanks - One 500-gallon diesel fuel tank and one 1,000-gallon unleaded gasoline tank are located adjacent to the Main Road west of Tank 5. These tanks are constructed with a built-in secondary containment system and protective exterior concrete covering (Con Vault tank).

Back-Up Diesel Generator Storage Tank - One 2,000-gallon diesel Con Vault tank is located west of the switchyard control building. This tank is constructed with a built-in secondary containment system and a protective exterior concrete covering.

Former Dielectric Fluid Tanks - Two 10,000-gallon ASTs for containment of dielectric fluid were formerly located west of the control building. Refer to Section 5.1.2 for a discussion of these former tanks.

Power Generation and Operations Area

Unit 7 Fire Water Pump House - Three 300-gallon diesel fuel storage tanks are located at the pump house at the east end of the Unit 7 cooling water canal. According to Plant's SPCC Plan, the secondary containment is adequate to hold the contents of one tank and precipitation.

- In 1995, diesel-impacted soil was discovered at the north and south ends of the pump house. The release was the result of a leaking underground pipe. The volume and duration of release are unknown. According to a report prepared by PG&E that was sent to the RWQCB, Plant personnel have replaced the leaking pipe with aboveground piping and have taken preliminary measures to remediate the release (PG&E, 1995e). According to the RWQCB, remediation of this release is not required (RWQCB, 1997). Details of the remedial investigation are presented below.

  In May 1996, 14 shallow soil borings were hand-augered in the vicinity of the fire pump house for the collection of soil and grab groundwater samples (PG&E, 1996f). Eleven soil samples were analyzed for TPH as diesel, benzene, toluene, ethylbenzene, and total xylenes (BTEX), and total organic carbon (TOC), and nine grab groundwater samples were analyzed for TPH as diesel and BTEX. One grab surface water sample was collected from the cooling canal adjacent to the south end of the pump house.

  Soil analytical results indicated that TPH as diesel was detected in five samples. The maximum concentration of TPH as diesel was 22,000 ppm, however, this one sample was collected at the top of a concrete conduit upon which diesel may have collected. The next highest TPH as diesel concentration was 85 ppm collected from beneath the pump house. All remaining detectable concentrations of TPH as diesel in soil were below 5 ppm. Neither benzene nor toluene were detected, and ethylbenzene and xylenes were detected below USEPA preliminary remediation goals.

  Groundwater analytical results indicated that dissolved TPH as diesel was detected in each grab sample and that toluene, ethylbenzene, and xylenes were not detected above the maximum contaminant levels. Benzene was not detected above the reporting limit of 25 ppm. Neither TPH as diesel nor BTEX were detected in the sample collected from the cooling canal. The area where the dissolved TPH as diesel was detected is surrounded by a 10 to 14 foot deep cutoff wall designed to isolate the cooling water canal from the surrounding area. Because of this wall, TPH as diesel-impacted groundwater is restricted to a relatively narrow area.

  Based on these data, diesel contamination to the soil is localized and the cooling water canal does not appear to have been impacted. Although groundwater appears to have been adversely impacted by dissolved TPH as diesel without adverse impact by BTEX compounds, the RWQCB is not requiring remediation of this release. Therefore, it appears that this release is de minimis.

Units 1-4 Back-Up Diesel Generator Storage Tanks - Two single-walled 375-gallon diesel storage tanks are located at the south side of Unit 4 (see Figure 5-1). Releases from these tanks will flow across concrete to adjacent yard drains connected to the oily water treatment system.

Unit 6 Storage Tanks - A 1,500-gallon hydraulic oil tank and a carbohydrazide 600-gallon (boiler water treatment chemical) storage tank are located at the southwest side of Unit 6. Releases from

these tanks will flow across asphalt to adjacent yard drains connected to the oily water treatment system.

- On June 28, 1995, approximately 700 gallons of hydraulic oil were released from a Unit 6 hydraulic supply line due to the failure of welds on the hydraulic line. Most of the hydraulic oil was released to asphalt; approximately 30 gallons were released to the ground surface. Remedial action involving cleaning up spilled oil and removal of contaminated soil was completed on June 28, 1995. According to the report prepared by PG&E that was sent to the RWQCB, low levels of contamination (less than 300 mg/kg of long chain hydrocarbons) were left in-place after remedial actions (PG&E, 1995f). Although no further action was recommended by PG&E, a closure letter was not available from PG&E or the regulatory agencies and this area may require further remediation.

Fuel Oil Additive Tanks - One 10,000-gallon fuel oil additive tank is located at the northwest corner of Unit 6 and one 6,000-gallon fuel oil additive tank is located at the southwest corner of Unit 7. Each tank is provided with a steel secondary containment shell, which according to the Plant SPCC Plan, can hold the entire contents of the tank and precipitation.

Unit 7 Lube Oil Storage Tanks - Two 14,900-gallon lube oil storage tanks are located on the ground floor of Unit 7. These tanks are contained within a concrete-bermed area equipped with drains which flow to the oily water treatment system.

Lube Oil Dump Tanks - One lube oil dump tank of unspecified volume for each of Units 1 through 6 is located in their respective basements. Each tank serves as an emergency dump reservoir and is not used to store lube oil on a regular basis. Any leakage from these tanks flows toward a drain which discharges to the oily water treatment system.

- On June 25, 1993, approximately 550 gallons of lubricating oil was released from a Unit 6 pump filter during maintenance activities. The oil was released to paved surfaces, an oil collecting trench and transformer rock blotter. Oil discharged to the paved surfaces and the trench was routed to the oily water treatment system. According to an Incident Report provided by PG&E, a subcontractor removed the impacted rock blotter (PG&E, undated-c). Although the appropriate regulatory agencies were notified of the incident and corrective action was undertaken by PG&E, a closure letter was not available from PG&E or the regulatory agencies. Because rock blotter at this location may be underlain by soil, the potential exists that the soil was impacted by this release.

Unit 7 Chemical Storage Tanks - Four chemical storage tanks are located at the northwest end of Unit 7. The tanks store sulfuric acid (20,000 gallons), sodium hydroxide solution (50,646 pounds), sodium sulfite solution (28,739 pounds), and carbohydrazide (600 gallons). These tanks are located within a concrete-bermed secondary containment area. A surface drain located in the containment area is reportedly connected to the Unit 7 cooling water canal tunnel. Releases from this system included the following:

- According to Mr. Gallo, on March 6, 1994, approximately 800 gallons of sulfuric acid leaked from a valve on the Unit 7 sulfuric acid storage tank. As the sulfuric acid leaked from the valve, the acid was neutralized with water and was contained in a sump prior to being discharged to the Unit 7 cooling water canal where the acid was further neutralized. Based upon these events, it appears that there was no adverse impact to the Plant from this release.

- On October 20, 1990, approximately 2,900 gallons of 96 percent sulfuric acid was released from a storage tank due to failure of the discharge piping. The acid eventually reached the Unit 7 cooling water canal. According to a report prepared by PG&E that was sent to the RWQCB, analytical tests of the canal water indicated that the acid was neutralized as it mixed with the canal water and that no discernible effects were observed in any areas that came in contact with the acid (PG&E, 1990). According to the VISTA database report, 3,300 gallons of sulfuric acid were released on this same date. Based upon identical release dates, it appears that there is a volume discrepancy in the reporting of the release and that these are not separate incidents.

Units 1-4 Chemical Storage Tanks - Two chemical storage tanks are located north of Units 1 through 4, one containing sodium hypochlorite (1,400 gallons) and the second containing ferric sulfate (5,000 gallons). These tanks are located within a bermed containment area that drains to the oily water treatment system.

Reverse Osmosis Storage Tanks - Three storage tanks containing sulfuric acid (20,000 gallons), sodium hydroxide (50,646 pounds), and sodium bisulfite (400 gallons) are located near the Units 1 through 6 reverse osmosis facility. These tanks were observed to be located within a concrete-bermed secondary containment area that drains to the demineralizer neutralization pond. Sodium bisulfite is stored inside of a tank with internal secondary containment.

Oily Water Separator System - One oil sludge tank (40,000-pound capacity) exists for containment of sludge and oily waste from the oil/water separator system located northeast of the boiler chemical cleaning ponds. The tank is located within a concrete-bermed secondary containment area. The waste is regularly transported off site by a licensed contractor.

5.6 Herbicides and Pesticides

Herbicides and pesticides are applied for weed and pest control at the Plant by a California-certified contractor/applicator. Herbicides or pesticides other than amounts that can be purchased "off-the-shelf" are not stored at the Plant. The contractor responsible for herbicide and pesticide application only applies EPA-registered products.

Based upon the Plant walkthrough, interviews with Plant personnel, interviews with the managers of properties leased from PG&E, and the records review, no activities related to herbicide or pesticide usage by PG&E, past or present, that may have adversely impacted the Plant were identified. No sampling and/or testing for herbicides and pesticides was conducted by CDM.

5.7 Potable Water

Potable water used at the Plant is provided by the City of Pittsburg. The Contra Costa Water District operates an intake structure in Mallard Slough in the central portion of the Non-Operational Area.

5.8 Wastewater and Stormwater

Industrial and domestic wastewater and stormwater discharges from the Plant are discussed in the following sections.

5.8.1 Industrial Wastewater

Industrial wastewater streams are generated and processed within the Power Generation and Operations Area.

Power Generation and Operations Area

Industrial wastewater systems employed at the Plant include the oil/water separator system, the hazardous waste facility permitted surface impoundments, boiler blowdown, boiler washwater, and cooling water. These processes, except for the surface impoundments which were discussed in Section 5.1.3, Solid Waste Management Units, are discussed below.

Oil/Water Separator System: The existing oil/water separator system is used to collect and process intermittent streams of wastewater potentially containing oil generated throughout the Plant. The system is located on the northeast corner of the Plant (see Figure 5-1). Wastewater is collected from yard and building drains and routed to sumps which deliver the wastewater to the oil/water separator system. Wastewater from the oil/water separator system is piped to two separate vessels: one that discharges oil to an oil sludge tank for offsite recycling and another that discharges the water to Suisun Bay through Outfall 001 in accordance with a NPDES permit No. CA 0004880 (RWQCB, 1995b).

- According to Messrs. Bauman and Fletcher, the Units 1 through 6 basement sumps collect oily water from the power generation unit buildings and accumulate an oily sludge which is periodically removed. Visual observations of the interior of the basement sumps were restricted by the presence of water, metal grate coverings, and the low light conditions of the basement area. Documentation regarding the construction or integrity of these sumps was not available from PG&E or the regulatory agencies. Because oily sludge accumulates in the basement sumps and the integrity of these sumps is unknown, potential contamination of the soil and/or groundwater from leakage of these sumps exists.

- During the site walkthrough, a catch basin located south of Unit 6 and the stormwater transfer sump located southeast of the Units 1 through 6 machine shop were both observed. The catch basin and the stormwater transfer sump collect yard runoff from most of the Power Generation and Operations Area and from fuel oil Tanks 1 through 6. The yard runoff is then pumped to the oil/water separator system (PG&E, 1976). Oil-stained asphalt and concrete

were observed around the metal grate covering the catch basin. Because the metal grate was secured, observations of the interior of the catch basin could not be made. However, observations of the interior of the stormwater transfer sump indicated an oily coating on the concrete sides of the sump, as well as oil-impacted water moving through the sump. Because these facilities likely accumulate oily sludge and the integrity of the catch basin and the stormwater transfer sump is unknown, potential contamination of the soil and/or groundwater from leakage of these structures exists.

Boiler Blowdown System: Boiler blowdown is treated and reused as makeup water to the boilers (see Figure 3-4). Boiler blowdown is continuously "bled off" the boilers and is pumped to the boiler blowdown tank prior to being recycled to the boiler by passing it through a demineralizer system. Boiler blowdown can also be routed to filter cartridges and then discharged to Suisun Bay through Outfall 001 in accordance with the Plant NPDES permit No. CA0004880 (RWQCB, 1995b).

Demineralizer/Neutralization Systems: Two demineralization/neutralization systems located at the Plant are used to produce deionized water which is run through the boilers to generate steam. One system services Units 1 through 6, and the other services Unit 7. 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 an aboveground demineralizer neutralization pond (Units 1 through 6) or to the Unit 7 demineralizer neutralization tank. The mixture is then neutralized and discharged to Suisun Bay through Outfall 001 in accordance with the Plant NPDES permit No. CA0004880.

Boiler Washwater System: The boiler interiors are cleaned once or twice each year with an EDTA or an acidic solution to remove scale. Use of EDTA produces a chelated iron product. After the cleaning with EDTA, the solution and associated iron product are discharged to the boiler chemical cleaning ponds and then transported off site. Acidic cleaning solutions are either evaporated in the boiler chemical cleaning pond or the supernatant is discharged in accordance with the Plant's NPDES permit and the sludge is transported off site.

Historically, the Plant used a proprietary cleaning solution to remove built-up scale and rust. After cleaning, caustic solution was added to the wastewater prior to discharge to the surface impoundment to raise the pH to at least 2.0. Potential contaminants generated from these cleanings included copper oxides, hydrochloric acid, ammonium hydroxide, sodium bromate, ammonia bicarbonate, thiourea, ammonium bifluoride formic acid, sodium hydroxide and heavy metals (A. T. Kearney, 1986). CDM did not observe any spills or leaks from the boiler washwater system.

- Based upon review of a piping and mechanical drawings of the Plant, Units 5 and 6 are equipped with basement floor sumps for the containment and transfer of boiler fireside washes to the surface impoundments (PG&E, 1976). According to Mr. Gallo, Units 1 through 4 are also equipped with sumps for the containment and transfer of boiler fireside washes; however, these sumps are not depicted on the map. According to Mr. Gallo, the fireside wash sumps for Units 1 through 4 were constructed within the northern basement wall with the bottom of the sump at the basement floor. Because these sumps contained

hazardous constituents from the boiler fireside washes, and the integrity of the sumps are unknown, the potential exists for leakage of these sumps to contaminate the soil and/or groundwater with hazardous wastes.

- According to Mr. Gossard, a former underground boiler chemical cleaning wastewater pipeline ruptured on at least two occasions, once in approximately 1987 and again in 1989. The pipeline conveyed boiler cleaning wastes from the boilers to the surface impoundments. Boiler cleaning wastes have the potential to contain hazardous constituents consisting of acids and heavy metals. During each event, approximately 200 to 500 gallons of wastewater were released. Mr. Gossard indicated that after each release, the contamination was cleaned up; however neither CDM nor PG&E were able to locate records of the release or of the subsequent clean-up activities. In approximately 1991, the underground pipeline was cleaned, abandoned in-place, and replaced with an aboveground pipeline in 1993.

  Because releases of boiler waste water to the subsurface were reported and because no written documentation of the clean-up activities was available, the potential exists for releases from this abandoned pipeline to have adversely impacted the environment.

Cooling Water System: Once-through cooling water for Units 1 through 6 is drawn from and discharged to Suisun Bay through Outfall 001 in accordance with the Plant NPDES permit No. CA0004880. This cooling water is circulated through condensers that cool the steam used to rotate the turbines. The intake structure for these units is located on the bank of Suisun Bay, west of the marine terminal. The cooling water discharge pipes are located east of the marine terminal.

Cooling water for Unit 7 is drawn from and discharged to the cooling water canal. On an as-needed basis, make-up water is drawn from Suisun Bay and discharged to the cooling water canal to replenish water losses. Cooling water from the canal is circulated through the Unit 7 condensers that cool the steam used to rotate the turbines. The heated cooling water is returned to the canal and drawn to the top of the cooling towers for additional cooling. Water from the canal can be discharged to Suisun Bay through Outfall 001 or to Mallard Slough through Outfall 006 in accordance with the Plant NPDES permit No. CA0004880.

- During the walkthrough, water was observed bubbling-up in Willow Creek between the cooling water canal and Switchyard (Photograph 16). According to Mr. Welch, this water originates from a leak in the Unit 7 cooling water tunnel. No environmental impairment to the Plant is anticipated from this leak.

- According to a letter from PG&E to the RWQCB, PG&E has historically conducted biological treatment of the Unit 7 cooling water canal using copper sulfate pentahydrate (PG&E, 1988). No information indicating environmental impairment to the canal water or sediments was available from PG&E or from the regulatory agencies.

5.8.2 Domestic Wastewater

Currently, sanitary wastewater generated at the Plant is discharged to the City of Pittsburg's publicly-owned treatment works. Based upon review of available documents and discussions with Plant personnel, one septic leachfield may have been used in the Power Generation and Operations Area.

Power Generation and Operations Area

Based upon review of a piping and mechanical drawing for the Plant, one septic tank and leachfield are located southeast of the Unit 7 stack (PG&E, 1976). According to this drawing, the septic tank is connected to a sewer line which discharges effluent from Units 1 through 6. According to Mr. Gallo, this septic tank and leachfield, which is no longer in use, may have been used to service contractor trailers during construction of Unit 7.

5.8.3 Stormwater

Discharge of water from the Plant to Suisun Bay is governed by the RWQCB's NPDES permit No. CA0004880. Stormwater discharges are managed in accordance with a site-specific Stormwater Pollution Prevention Plan (SWPPP), pursuant to the NPDES permit issued by the RWQCB (PG&E, 1996g). A description of stormwater management in the functional areas is described below:

Fuel Tank Farm

All stormwater from within the secondary containment for fuel oil Tanks 1 through 7 is directed to the oily water treatment system. Stormwater from fuel oil Tanks 8 through 14 is directed to the spill containment basin located between the Switchyard and the ASTs prior to discharge to Willow Creek. Effluent from the oily water treatment system can be discharged as described above. Stormwater from the containment basin can be discharged to Willow Creek through Outfall 003 in accordance with the Plant NPDES permit No. CA004880.

Switchyard

Stormwater is directed to the spill containment basin located between the Switchyard and the ASTs prior to discharge to Willow Creek as described above.

Non-Operational Area

Stormwater flow in the Non-Operational Area either percolates into the subsurface, or flows to one of several creeks, sloughs, or bodies of water located across this area.

Power Generation and Operations Area

Stormwater from within this area is directed to the oily water treatment system via catch basins, and discharged to Suisun Bay as described above. However, three uncontrolled stormwater drainage areas were observed east of the cooling water intake structure, and near an equipment staging area north and west of Unit 7 (Photographs 17 and 18). No environmental impairment to the Plant is anticipated from these three uncontrolled stormwater drainage areas.

5.9 Lead-Based Paint

According to Messrs. Fletcher and Nicholson, lead-based paint likely exists on equipment throughout the Plant, primarily in the Fuel Tank Farm, Switchyard and the Power Generation and Operations Area. 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 and significant flaking paint was not observed by CDM.

Section 6.0
Conclusions

The Phase I ESA performed by CDM for PG&E's Pittsburg Power Plant identified items 1 through 34 as recognized environmental conditions at the Plant. Items 5, 16, and 27 represent material recognized environmental conditions. Each of these items are discussed in detail in Section 5.0, Results of Site Reconnaissance, Records Review and Interviews.

General

1. Portions of the Plant are known to be underlain with artificial fill from an unknown source (Mittelhauser, 1993). No information that CDM has reviewed to date indicates that the fill material was contaminated. However, no comprehensive investigation of the fill material has been reviewed by CDM.

2. The potential exists for ACMs to exist throughout the Plant as building, wiring, and pipe insulation. According to Mr. Welch, no asbestos survey has been conducted to identify where ACMs are located. As Plant conditions warrant, ACMs are managed or removed as necessary.

Fuel Tank Farm

3. On April 5, 1995, approximately 2,000 gallons of No. 6 fuel oil were released from Tank 9 into its secondary containment area. According to a report prepared by PG&E that was sent to the RWQCB, remedial actions, including the removal of free product and contaminated soil, were completed on April 6, 1995 (PG&E, 1995c). According to the report, low levels of contamination (less than 200 mg/kg of long chain hydrocarbons) were left in place after remedial actions were completed. Although no further action was recommended by PG&E, this area may require further remediation.

4. According to Mr. Pitner, a No. 6 fuel oil release occurred in the vicinity of Tanks 10 through 13 and flowed into the spill containment basin. Mr. Pitner did not recall the volume of the oil released or when the release occurred. Although the release was reportedly cleaned up, documentation of the release and cleanup was not available from the regulatory agencies or from PG&E.

5. Interviews with Plant personnel and review of PG&E documents revealed the following information:

   According to Mr. Pitner, an aboveground No. 6 fuel oil supply pipeline between Tanks 15 and 16 ruptured one evening prior to 1990 and released fuel oil throughout the night before it was discovered. The fuel oil reportedly flowed into a branch of Willow Creek adjacent to the main gate. Mr. Pitner did not recall the volume of the oil released or when the release occurred. The release was reportedly cleaned up and impacted soil was removed. Mr. Pitner indicated that several smaller releases of oil had occurred in the past to this waterway; however, he did

not recall specific details of the past releases. No documentation exists regarding any remedial efforts to clean up these releases.

According to a memorandum dated October 24, 1985, from September 30 to October 7, 1985, approximately 300 cubic yards of oil-impacted soil were removed from within a concrete curbed area north of the railroad tracks between Tanks 15 and 16 (PG&E, 1985a). The soil was characterized as hazardous waste and was removed as part of a fuel oil pipeline rerouting project. Because it is unknown if all contaminated soil was removed from this area, the potential exists that residual oil-impacted soil is present in this area.

According to a memorandum dated February 25, 1986, approximately one barrel of displacement oil was inadvertently released from an open vent valve on the 12-inch fuel oil header near Tank 15 (PG&E, 1986a). According to the memorandum, the area inside the Tank 15 secondary containment was cleaned up. The area outside the Tank 15 secondary containment was to be cleaned up when Willow Creek receded to allow access. Because no records of the cleanup outside of the Tank 15 containment basin were available from PG&E or the regulatory agencies, it is unknown if this release was remediated.

According to Mr. Gossard, in the late 1970s or early 1980s, an underground No. 6 fuel oil pipeline failed in the vicinity of the railroad tracks between Tanks 15 and 16. As a result, fuel oil was released to Willow Creek. Although the release was reportedly cleaned up and the impacted soil was removed, no documentation exists to confirm that the impacted area was remediated.

6. According to Messrs. Gossard and Pitner, several releases of No. 6 fuel oil have occurred in and around Tanks 1 through 6. Although some of these releases were reportedly cleaned up, subsurface soils may have been impacted by these releases.

7. According to Mr. Perez, in 1979 or 1980, soil saturated with No. 6 fuel oil was discovered northeast of Tank 16 (outside of the secondary containment) and south of the railroad tracks. According to Mr. Perez, the fuel oil was observed emanating from the ground. To determine the source of the fuel oil, several hand pits and trenches were excavated to a depth of five feet. Mr. Perez stated that significant amounts of fuel oil were encountered in the excavations and that the investigative activities were halted before the source of the oil was determined. It is unknown if the release was remediated.

8. According to Mr. Pitner, a large volume of No. 6 fuel oil was released to the Suisun Bay when a tanker ship broke loose from its moorings on the marine terminal during the mid-1970s. As the ship drifted away from the dock, two eight-inch diameter hoses pumping oil through the onshore pipeline disconnected and discharged oil to Suisun Bay for approximately 20 minutes. The oil slick reportedly extended from the Plant to Richmond and took months to cleanup. No additional information was available from PG&E or regulatory agencies on the extent of the impacted areas or the cleanup of this release.

Switchyard

9. Cleaning compounds and spills or leaks of transformer oil were reportedly discharged to the rock blotter surrounding the base of the transformers (PG&E, 1996b). However, beginning in 1971, drainage from the transformers was rerouted to the Plant's oily water treatment system. Because PG&E did not identify whether these activities were restricted to the main bank or Switchyard transformers, the potential exists that the cleaning compounds and/or transformer oil were discharged to the rock blotters in both areas. Because cleaning compounds may contain hazardous constituents, discharge of these compounds and spills or leaks of transformer oil may have adversely impacted the Plant.

10. According to Mr. Pitner, a portable turbine-powered generator used for "peaking" power generation was located west of the Main Road between Tanks 6 and 7. Kerosene used to fuel the unit reportedly leaked routinely onto the ground during the two to three years that the unit was used (from the late 1970s to early 1980s). No documentation is available indicating the extent of the leaks or any cleanup activities at this location. Based upon Mr. Pitner's recollection of fuel leakage, hydrocarbon-contaminated soils may exist in the vicinity of the former portable generator.

11. Underground piping was formerly used to transfer dielectric fluid from the Switchyard OCBs and the main bank transformers to two ASTs located west of the Switchyard control building for processing through a filter press (Bechtel, 1952). According to Mr. White, the dielectric fluid transfer system was likely used from the late 1950s until approximately 1970. Because the integrity of the underground piping is unknown, and because dielectric fluid may have contained PCBs, this piping system may be a source of petroleum hydrocarbon and/or PCB contamination.

12. According to Mr. White, the two ASTs used for accumulation of dielectric fluid were removed from the site in 1994. As a result of suspected soil contamination, soils were excavated from beneath the ASTs and samples were collected from the sidewalls of the excavation. Analytical results indicated TRPH-impacted soil in concentrations up to 370 ppm. Because documentation regarding the remediation of this impacted soil was not available from the regulatory agencies or from PG&E, hydrocarbon-impacted soil may be present in this location.

Non-Operational Area

13. Based upon review of documents and according to Mr. Welch, several underground pipelines including the Richmond-Antioch fuel oil supply line, a natural gas pipeline, and potentially other pipelines may exist across the Non-Operational Area. Because the underground location, use, and integrity of these pipelines could not be verified, the potential exists for releases from these pipelines to have adversely impacted the Plant.

14. Based upon review of aerial photographs and observations made during the site walkthrough, three north-south oriented rectangular basins were observed north of Willow Pass Road and west of the transmission lines. Hummocky terrain and various types of construction debris consisting of soil, asphalt, concrete and reinforcing steel were observed in the eastern and

middle basins. According to Mr. Fletcher, sediment excavated from the construction of the cooling water canal was placed into these basins. In addition, these basins were subject to unauthorized dumping of materials from local residents (PG&E, 1996b). The materials in these debris piles have not been characterized to determine if they have adversely impacted the site.

15. Based upon review of aerial photographs and observations made during the site walkthrough, the area south of the Unit 7 cooling water canal and north of the transmission lines was observed to have been used for the placement of piles of construction material. Because of the dense growth of grasses across the area, the composition of most of the piles could not be identified. However, soil, asphalt, concrete, sandblast grit, tires, two localized areas of oily sludge were observed. The materials in these debris piles have not been characterized to determine if they have adversely impacted the site.

16. The Shell Pond and Carbon Pile are contaminated primarily by hydrocarbon, metals, pesticides, and solvents. The nature and extent of remedial actions have not yet been established for these sites (PG&E, 1996a and PEG, 1997).

Power Generation and Operations Area

17. Accumulated wastes from the clarifier sludge pond and the oily water treatment system were believed to have been disposed of on site. In addition, unauthorized disposal of materials by local residents reportedly occurred. The location(s) of these disposal areas is (are) unknown. PG&E is currently conducting research to determine the location(s) of these areas (PG&E, 1996c). Because these wastes may have contained hazardous constituents and/or petroleum hydrocarbons, these wastes may have adversely impacted the site.

18. According to Messrs. Thompson and Pitner, in the early 1980s, electrical equipment was cleaned outside of Units 1 through 7 using trichloroethane or trichloroethylene within a concrete-covered and bermed area. Although the solvent was reported to have been contained on the concrete pads and captured after use, subsurface impacts may have resulted from this practice because concrete is not impervious to these chlorinated solvents.

19. According to the RFI conducted by Mittelhauser Corporation, analytical testing was not conducted for volatile organic compounds which were stored at the former paint department waste storage area (Mittelhauser, 1991). Because staining was observed by Mittelhauser, the potential for contamination of soil with volatile organic compounds exists.

20. According to a sampling and characterization report for spoil piles at the Pittsburg Power Plant prepared by PG&E, approximately 1,900 cubic yards of spoil from construction activities were placed adjacent to the cooling towers in the 1980s and early 1990s (PG&E, 1997). Based upon analytical results of composite soil samples, this spoil pile is not a hazardous waste. However, TPH as diesel and TPH as motor oil were detected in concentrations as high as 1,200 and 3,700 ppm, respectively.

21. During the site walkthrough, an area immediately south of the Unit 7 cooling towers was observed to have been used for the placement of soil piles mixed with various types of construction materials. Because of the dense growth of grasses across the area, the composition of most of the piles could not be identified. However, soil, asphalt, concrete, and PVC pipe were observed . Based upon review of aerial photographs, soil disturbance was observed in this area in April 1986. No written documentation regarding the hazardous properties, if any, of these waste piles was available from PG&E or the regulatory agencies. Although no hazardous materials were observed during the walkthrough, the nature and hazardous waste characterization of these soil piles are unknown.

22. Based upon an undated Incident Report, 550 gallons of lubricating oil were released from a Unit 6 pump filter to paved surfaces, to an oil collecting trench and to transformer rock blotter (PG&E, undated-c). Because rock blotter may be underlain by soil, the potential exists that the soil was impacted by this release.

23. According to Messrs. Bauman and Fletcher, the Units 1 through 6 basement sumps accumulate an oily sludge which is periodically removed. Visual observations of the interior of the basement sumps was restricted by the presence of water, metal grate coverings, and the low light conditions of the basement area. Documentation regarding the construction or integrity of these sumps was not available from PG&E or the regulatory agencies. Because oily sludge likely accumulates in the basement sumps and the integrity of these sumps is unknown, the potential of soil and/or groundwater contamination from leakage of these sumps exists.

24. During the site walkthrough, the catch basin located south of Unit 6 and the stormwater transfer sump located southeast of the Units 1 through 6 machine shop were observed to contain a thick oily sludge. This catch basin and sump collect yard runoff from most of the Power Generation and Operations Area and from fuel oil Tanks 1 through 6. The yard runoff is then pumped to the oily water separator system (PG&E, 1976). Visual observation of the sides and bottom of these structures was restricted by a metal grate and by the oily sludge. Because oily sludge was observed and the integrity of the catch basin and sump is unknown, the potential of soil and/or groundwater contamination from leakage of these structures exists.

25. Approximately 700 gallons of hydraulic oil were released from a Unit 6 hydraulic supply line due to line failure on June 28, 1995. Although most of the oil spill was remediated on the same day of the spill, low levels of contamination (less than 300 mg/kg of long chain hydrocarbons) were left in place after remedial actions (PG&E, 1995f). This area may require further remediation.

26. According to Mr. Gallo and upon review of a piping and mechanical drawing for Units 5 and 6, basement sumps were used to contain and transfer boiler fireside washes to the boiler chemical cleaning pond. Because these sumps contained hazardous constituents and the integrity of the sumps are unknown, the potential exists for leakage of these sumps to contaminate soil and/or groundwater with hazardous wastes.

27. According to Mr. Gossard, a former underground boiler chemical cleaning wastewater pipeline ruptured on at least two occasions in the late 1980s. Because the pipeline conveyed hazardous wastes from boiler cleaning operations to the surface impoundments, releases from this pipeline may have adversely impacted the Plant.

28. According to PG&E, copper sulfate pentahydrate has historically been added to the Unit 7 cooling water canal (PG&E, 1988). The environmental impact from use of this chemical is unknown.

Surrounding Properties

29. A Phase I ESA conducted by ESE at the Harris Yacht Harbor located along the western Plant boundary indicated improper storage of hazardous materials and wastes and surficial soil staining from petroleum hydrocarbons (ESE, 1995). ESE also identified the site as a former electrical equipment repair and storage site. Based upon review of ESE's Phase I ESA, the Harris Yacht Harbor is a potential source of offsite contamination which could adversely impact the Plant.

30. Review of aerial photographs indicated the presence of vehicle storage lots along West 10th Street south of the Plant. Dark-colored soils were observed in aerial photographs at some of these lots. Because these sites are upgradient with respect to groundwater flow, these vehicle storage lots may be potential sources of offsite contamination which could adversely impact the Plant.

31. Review of regulatory agency files indicate that soil and groundwater at the Trench Plate 2 facility has been contaminated by petroleum hydrocarbons. Because this site is located upgradient with respect to groundwater flow, this site is a potential source of offsite contamination which could adversely impact the Plant.

Section 7.0
Signatures of Environmental Professionals

Mr. Charlie O'Neill, RG, Field Team Leader — 10-6-97 Date

Mr. Slade Dingman, Technical Reviewer — 10-16-97 Date

Mr. Ben Swann, RG, Project Manager — 10-16-97 Date

Section 8.0
Qualifications 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 Pittsburg Power Plant Phase I Environmental Site Assessment are degreed professionals.

Roger A. Johnson, BS—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, BS, 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, MS—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.

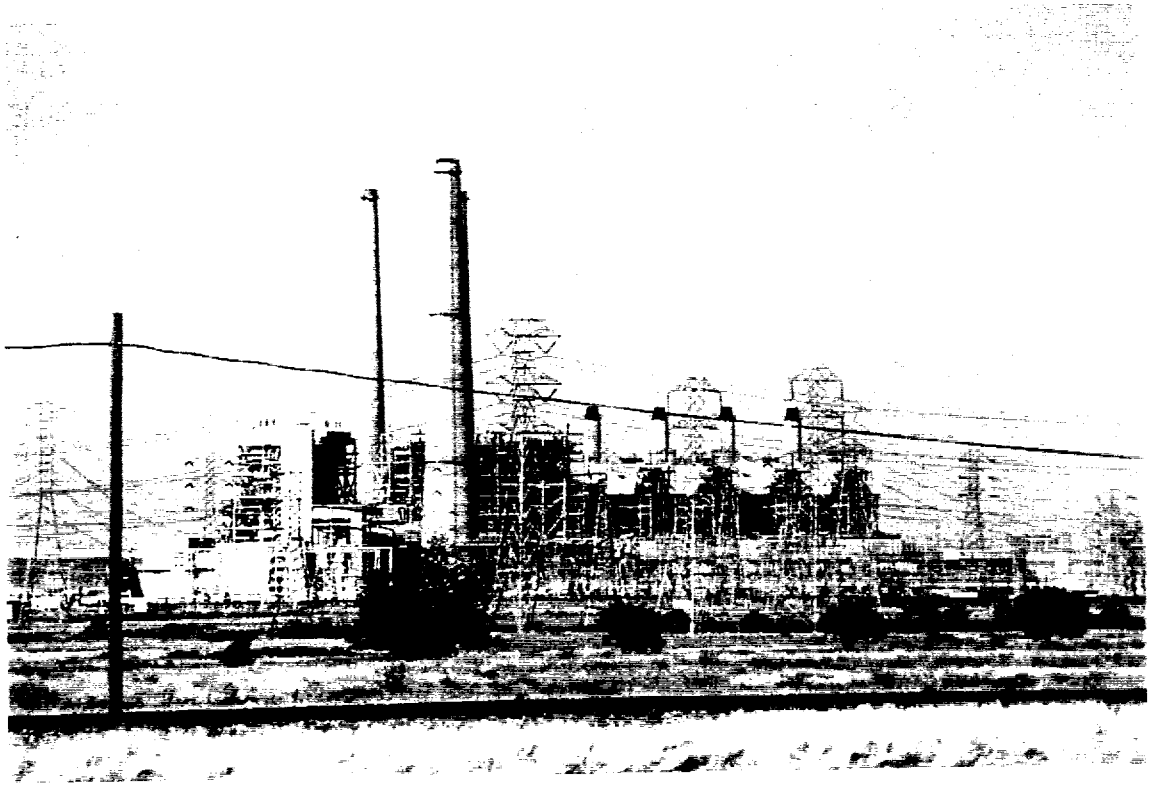
Charles O'Neill, MBA, RG — Mr. O'Neill has over 9 years of experience in the environmental and geotechnical industry. He has managed and participated in a variety of projects for private, state and federal clients in California. Relevant experience includes the conduct of environmental assessments, remedial investigations, and remedial design and construction projects.

Jeff Willett, PE — Mr. Willett is an environmental engineer with over 12 years of experience in environmental management, assessment, and engineering. Mr. Willett has directed and participated in surface and subsurface geologic and hydrogeologic contamination investigations; industrial site assessments; environmental impact studies and risk assessments; remedial

investigations/feasibility studies; and regulatory compliance audits. Mr. Willett has worked for both the U.S. Environmental Protection Agency and with the San Francisco Bay Regional Water Quality Control Board.

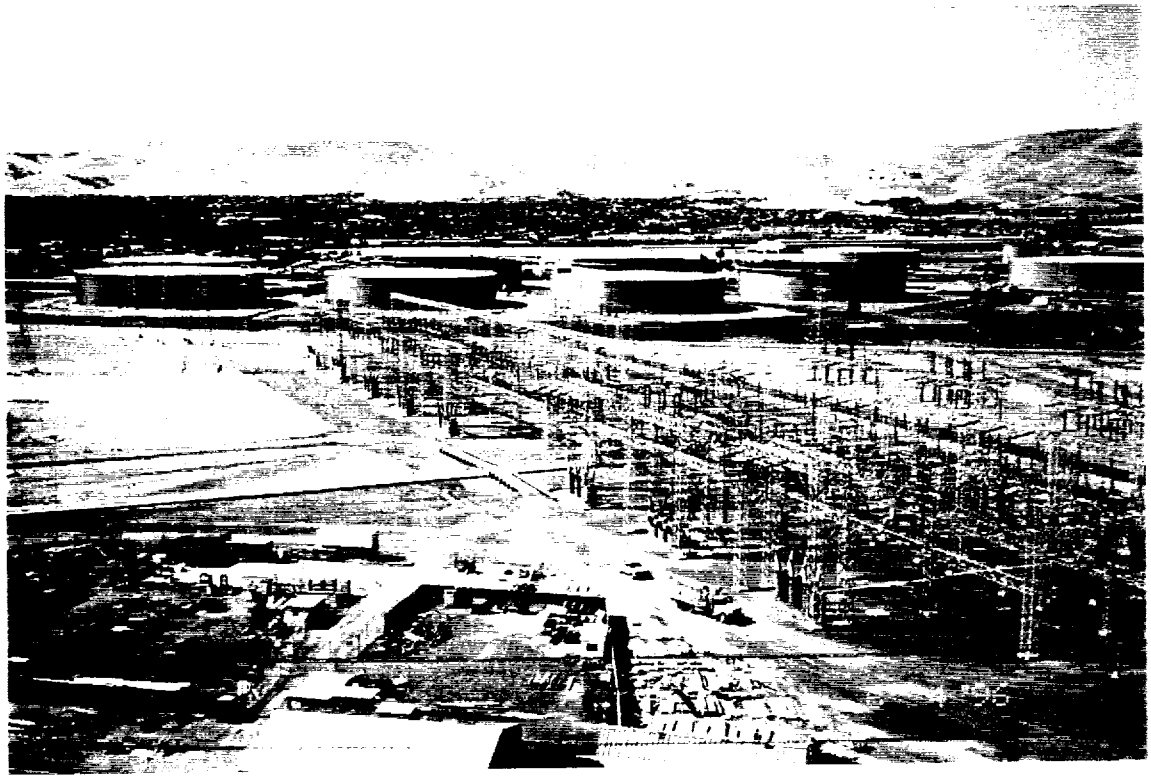
Appendix A
Site Reconnaissance and Aerial Photographs

Appendix A1
Site Reconnaissance Photographs

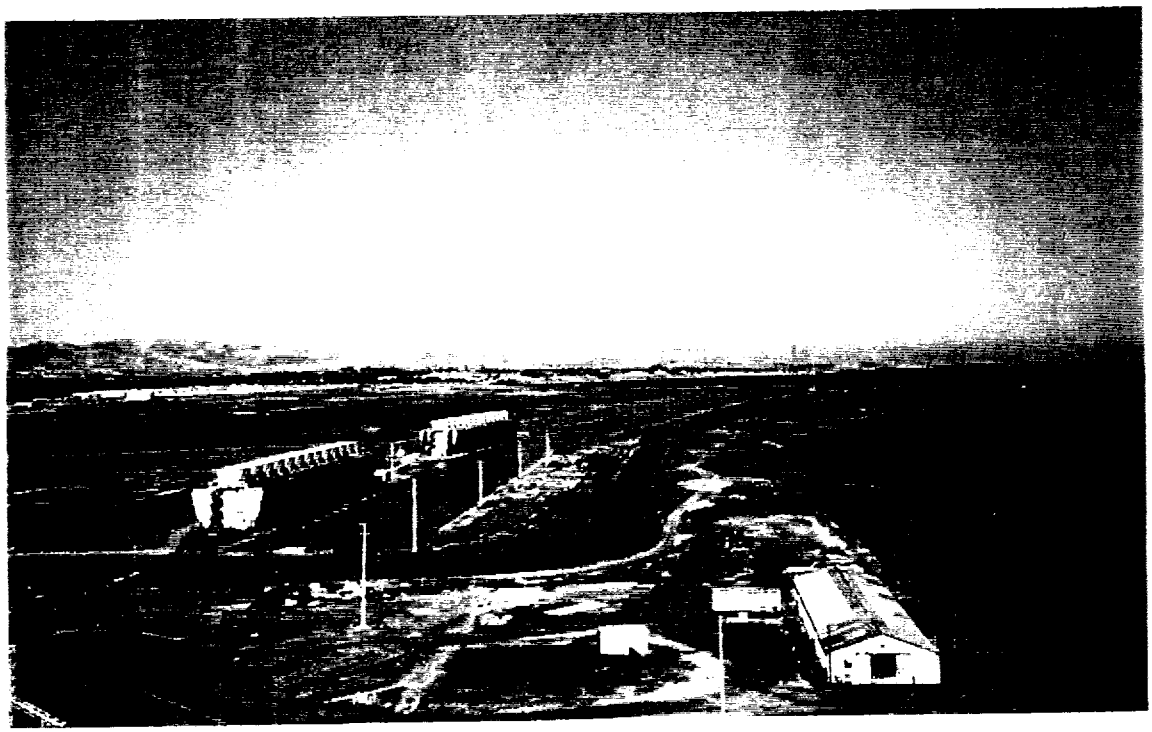


Photograph 1: View northeast towards the Pittsburg Power Plant.

Photograph 2: Fuel oil storage Tanks 2 through 5 (background) and 7 (foreground).



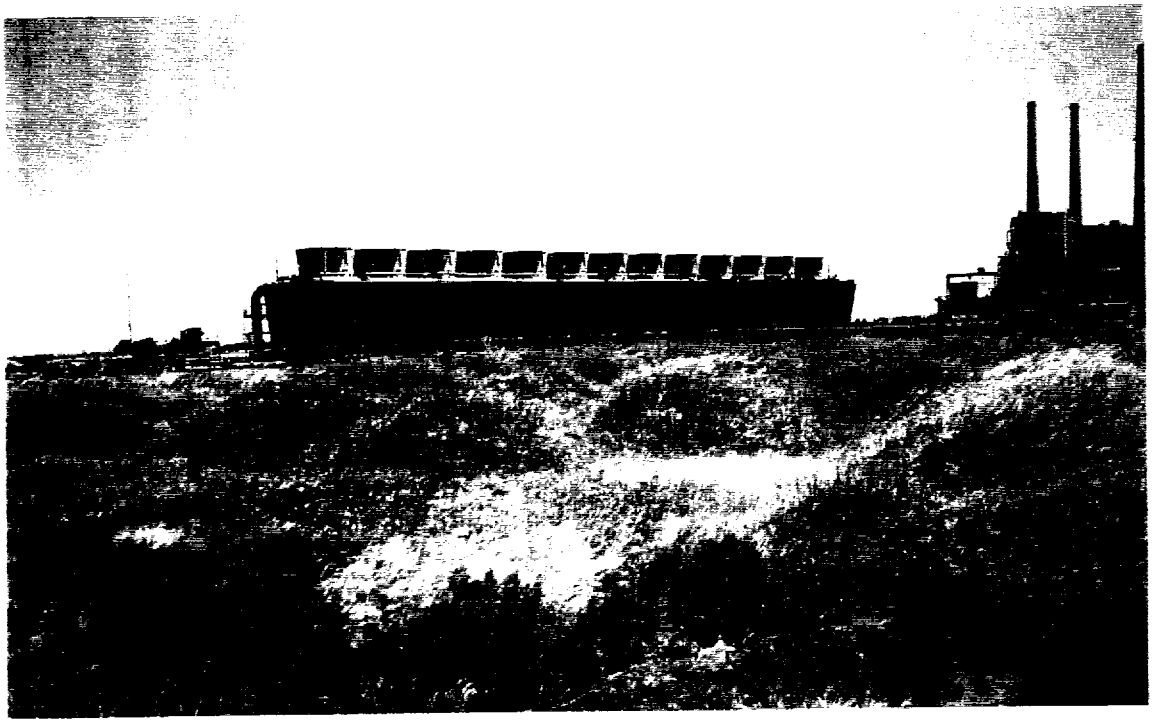
Photograph 3: Fuel oil storage Tanks 8 through 16 and displacement oil tank in background and Switchyard in foreground.



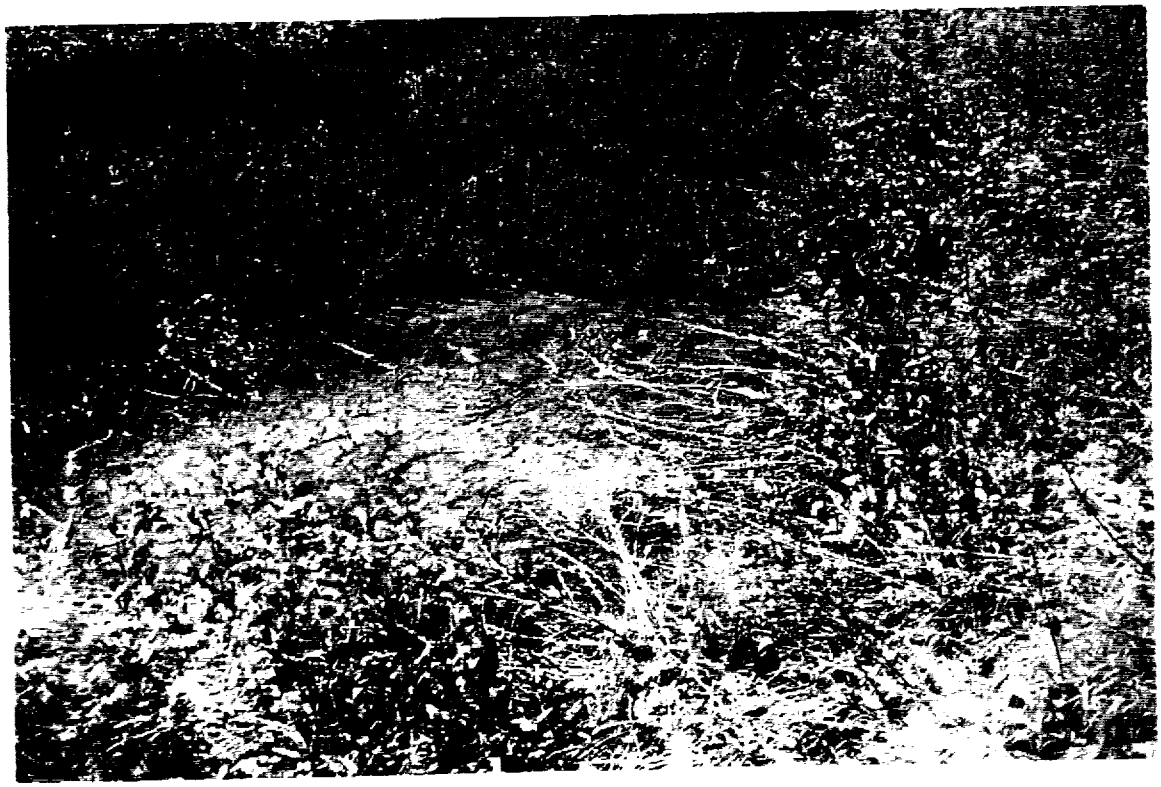
Photograph 4: Overview of the Non-Operational Area and the Unit 7 cooling water canal.

Photograph 5: Unit 7 chemical storage tanks.

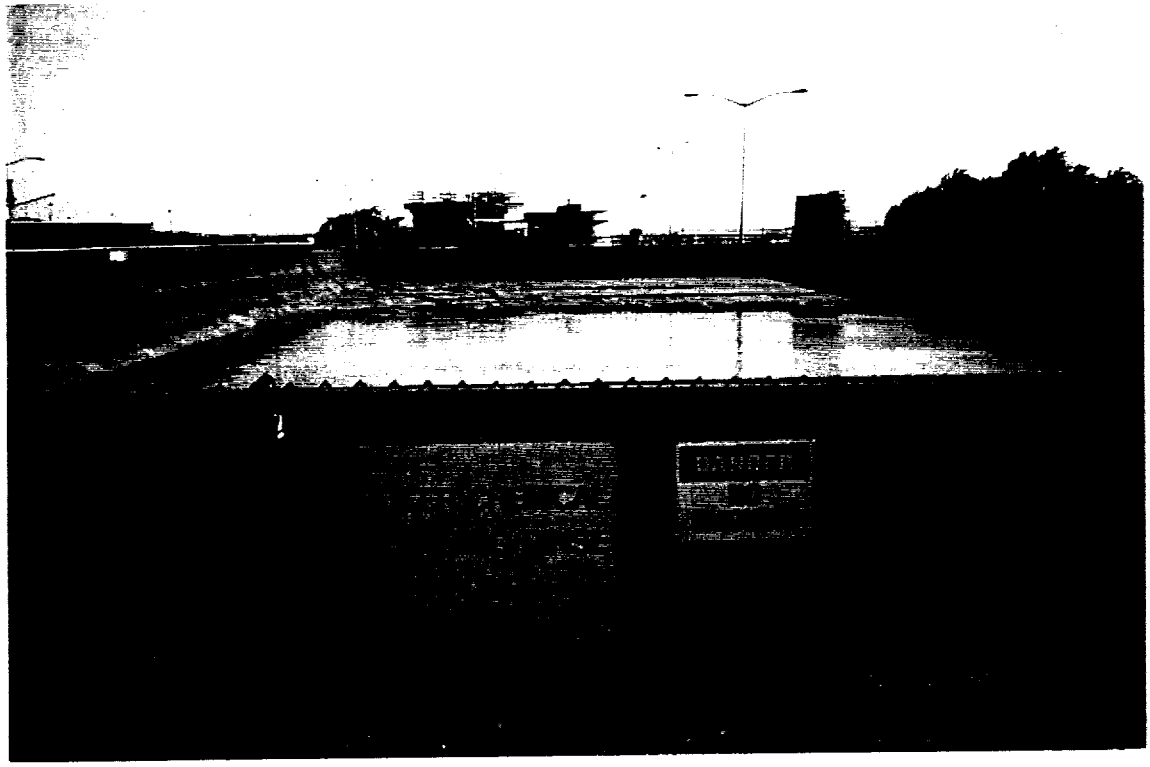
Photograph 6: View south across Shell Pond to Criterion Catalyst.



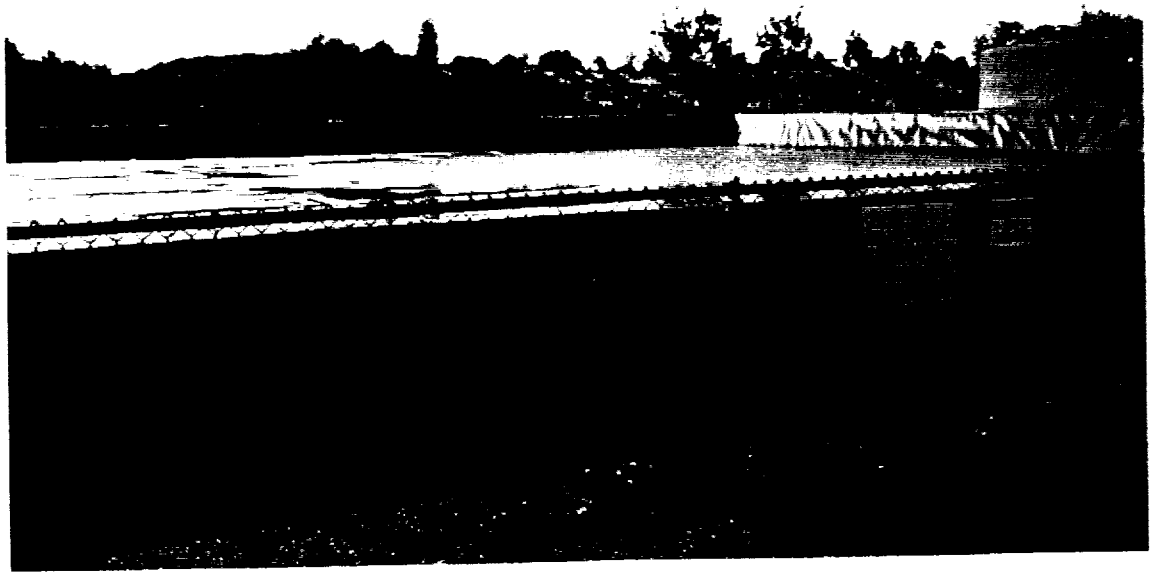
Photograph 7: Construction debris piles south of the Unit 7 cooling towers.



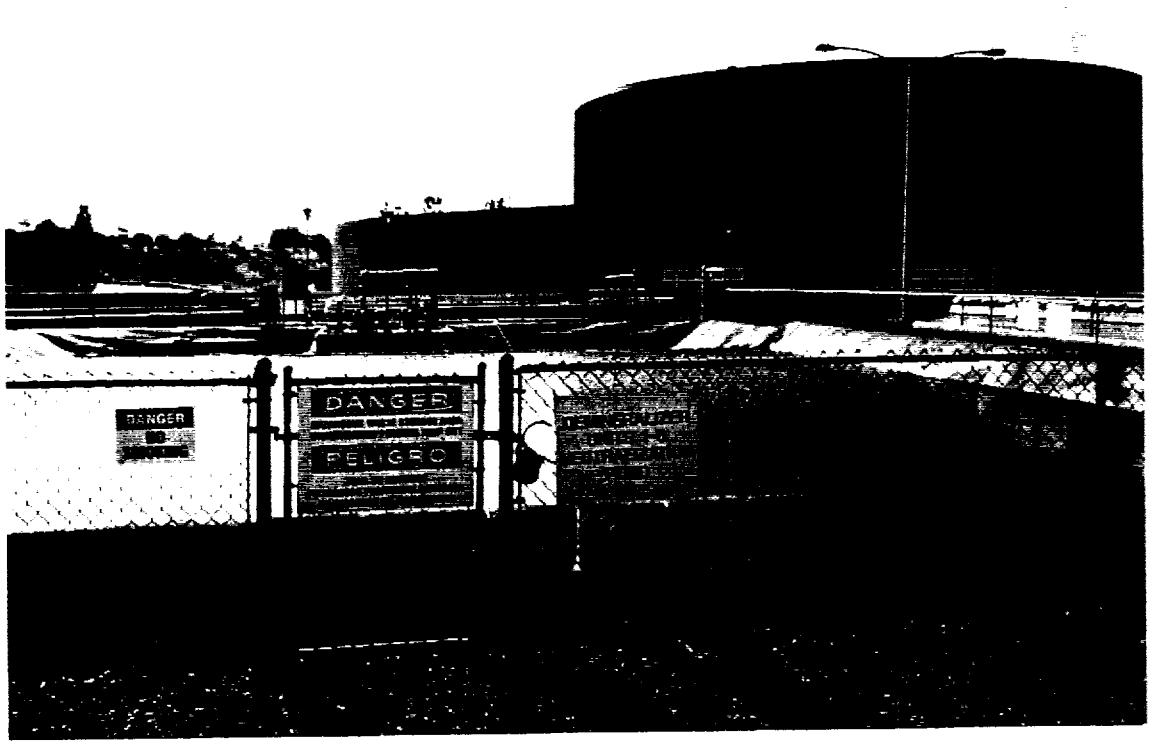
Photograph 8: Oily sludge adjacent to construction debris piles south of the Unit 7 cooling towers.



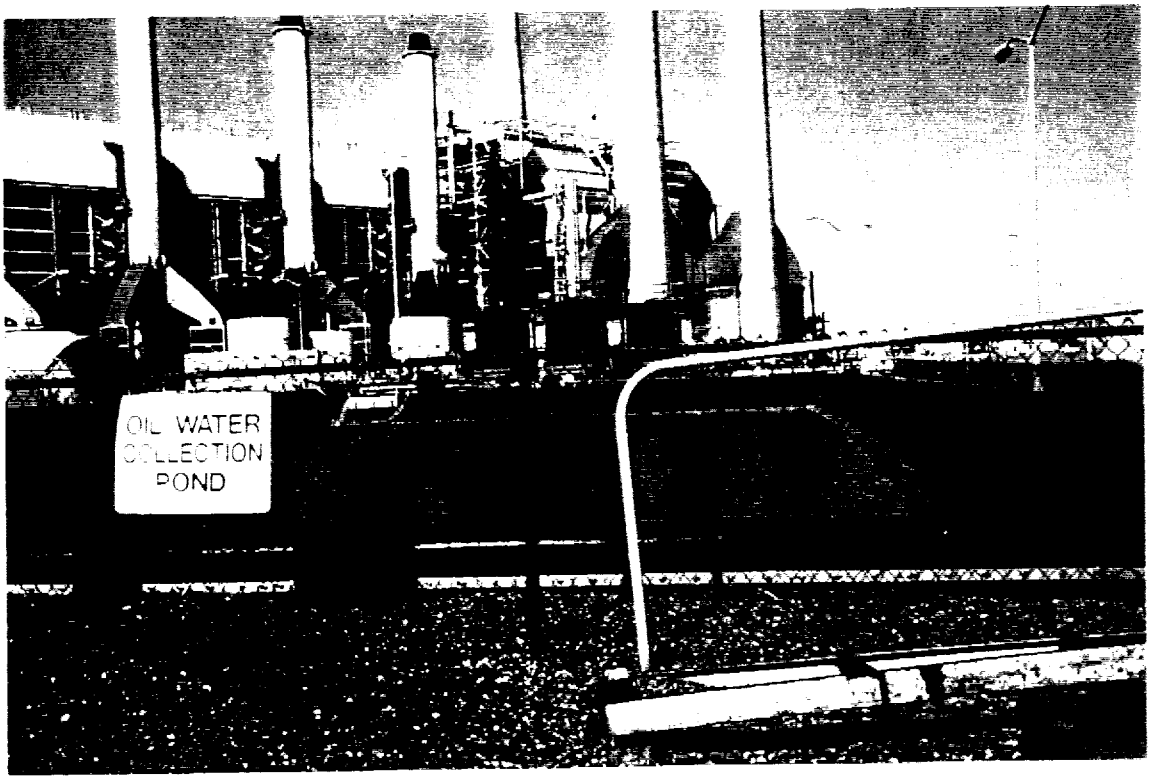
Photograph 9: Boiler chemical cleaning pond (rinse side).



Photograph 10: Air preheater wash pond.



Photograph 11: Demineralizer neutralization pond.

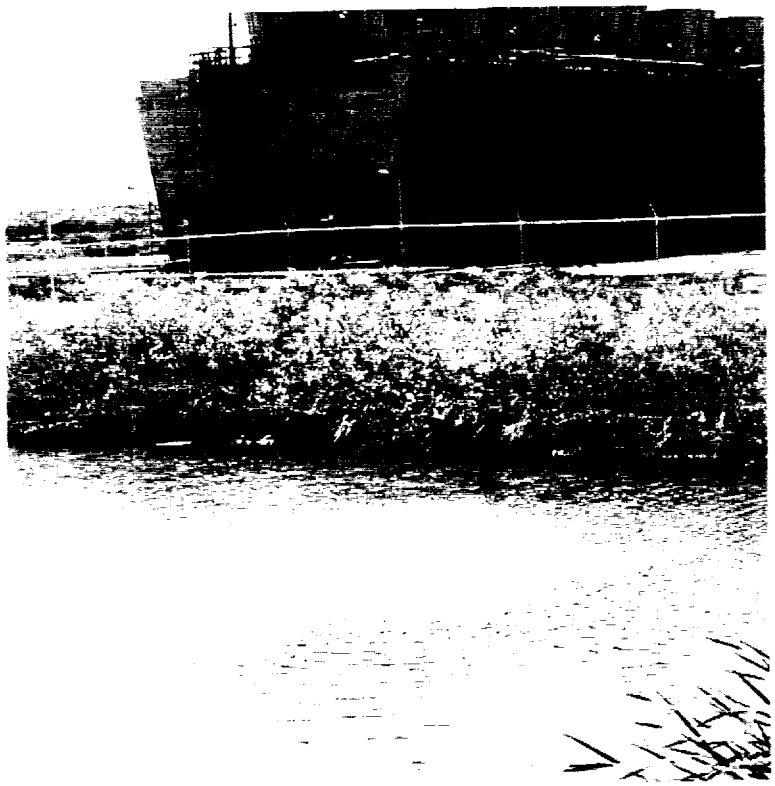


Photograph 12: Oily water treatment systems's oil water collection pond.

Photograph 13: Southern shoreline of the Shell Pond.

Photograph 14: View south across the Carbon Pile.

Photograph 15: Construction debris piles located north of the Unit 7 cooling towers.

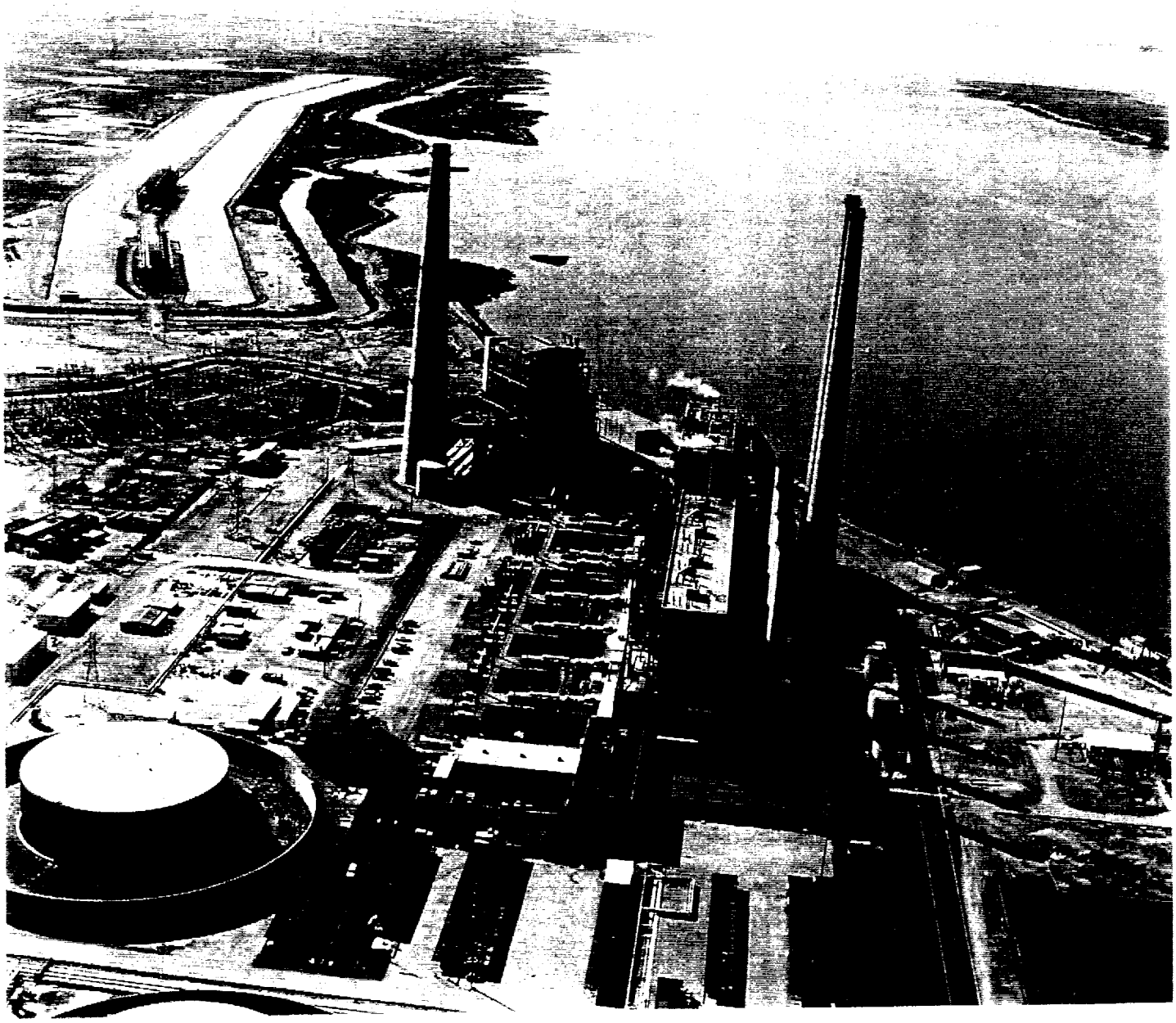


Photograph 16: Unit 7 cooling water bubbling up in Willow Creek.

Photograph 17: Stormwater drainage channel to Suisun Bay east of the cooling water intake structure.

Photograph 18: Stormwater drainage channel to Suisun Bay north of Unit 7.

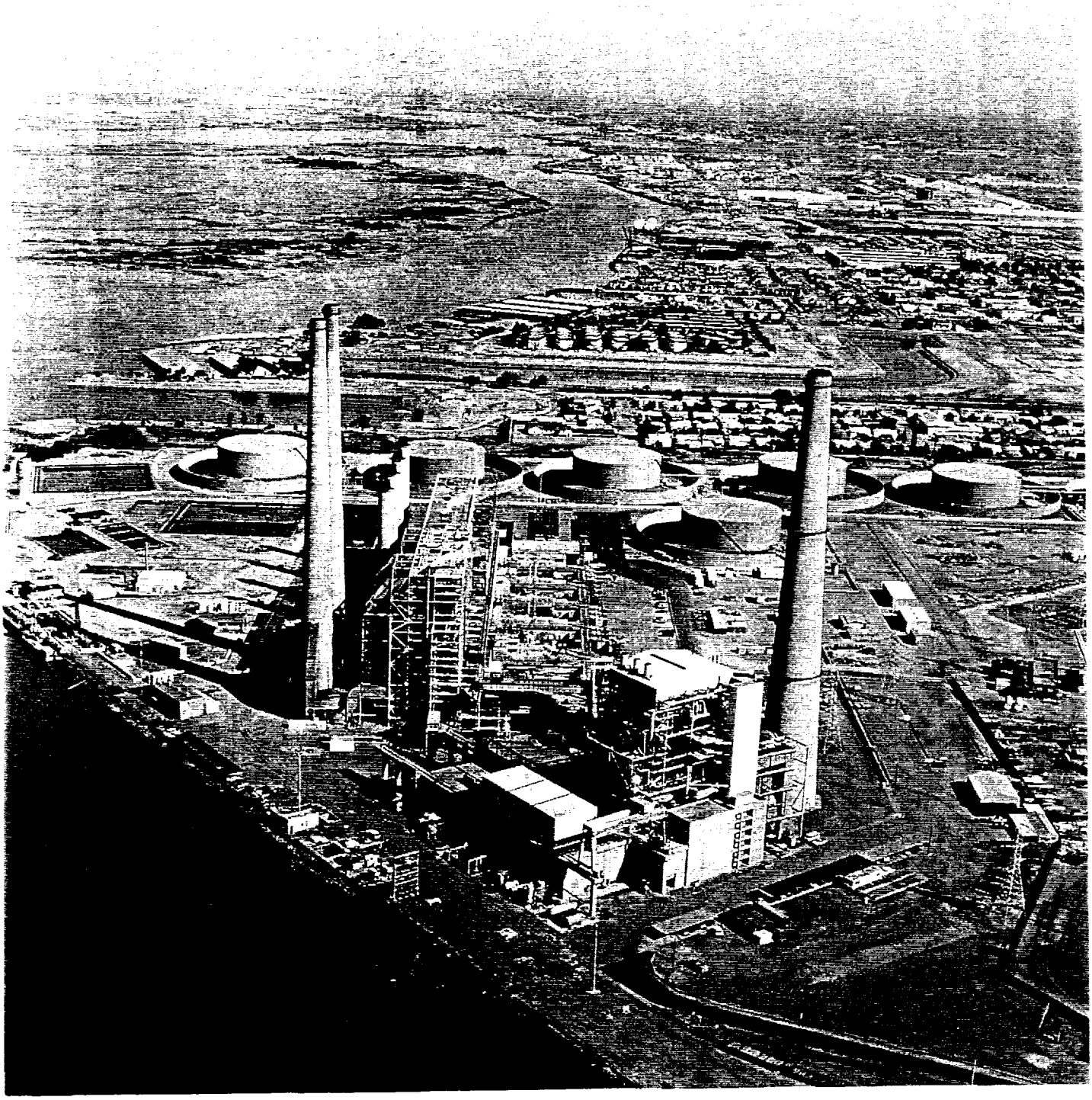
Appendix A2
Aerial Photographs



Date: 3/17/88

north

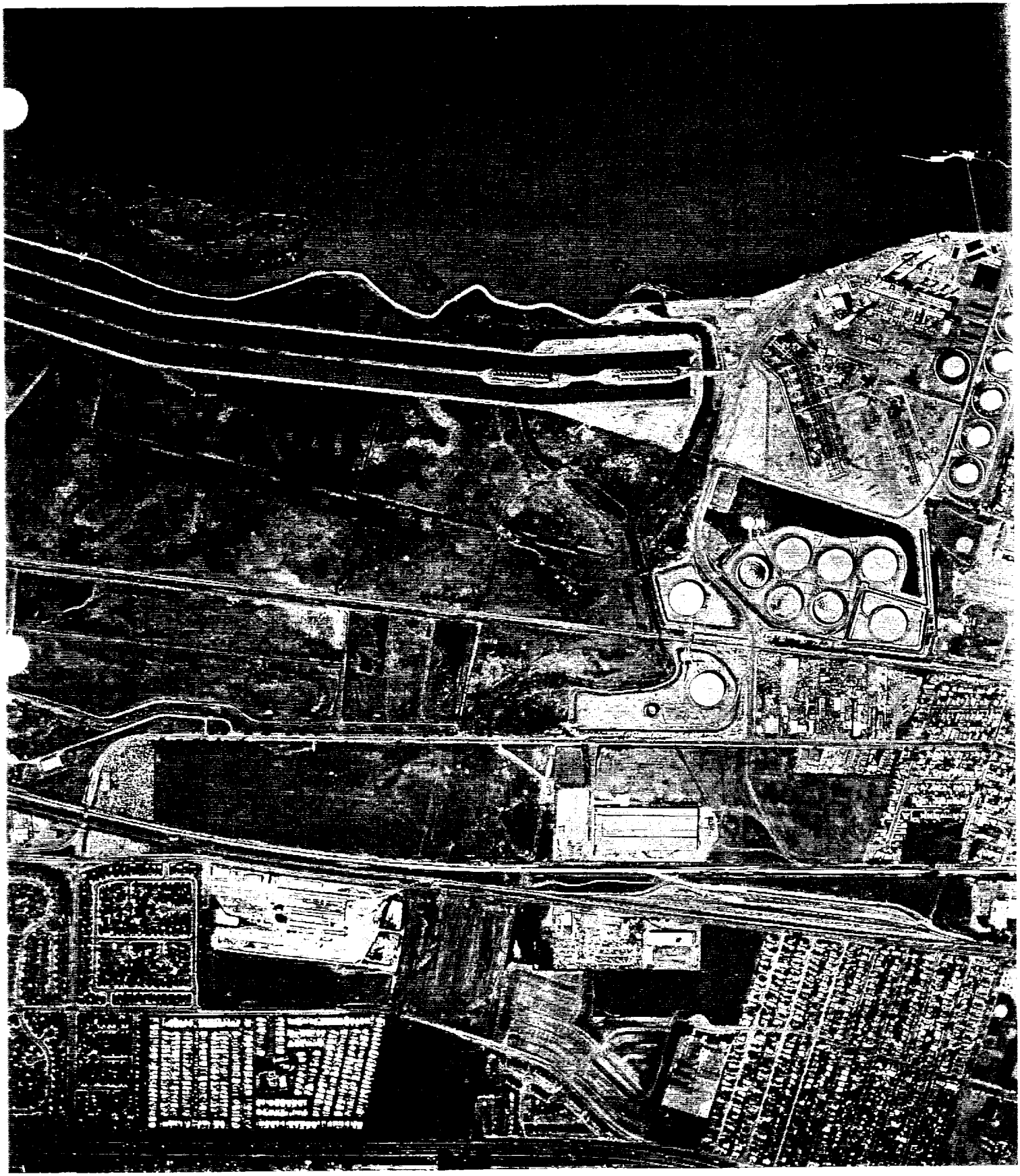
Westerly View of the Power Generation and Operations Area



Date: 3/17/88

north

Easterly View of the
Power Generation and
Operations Area.
Unit 7 in Foreground.

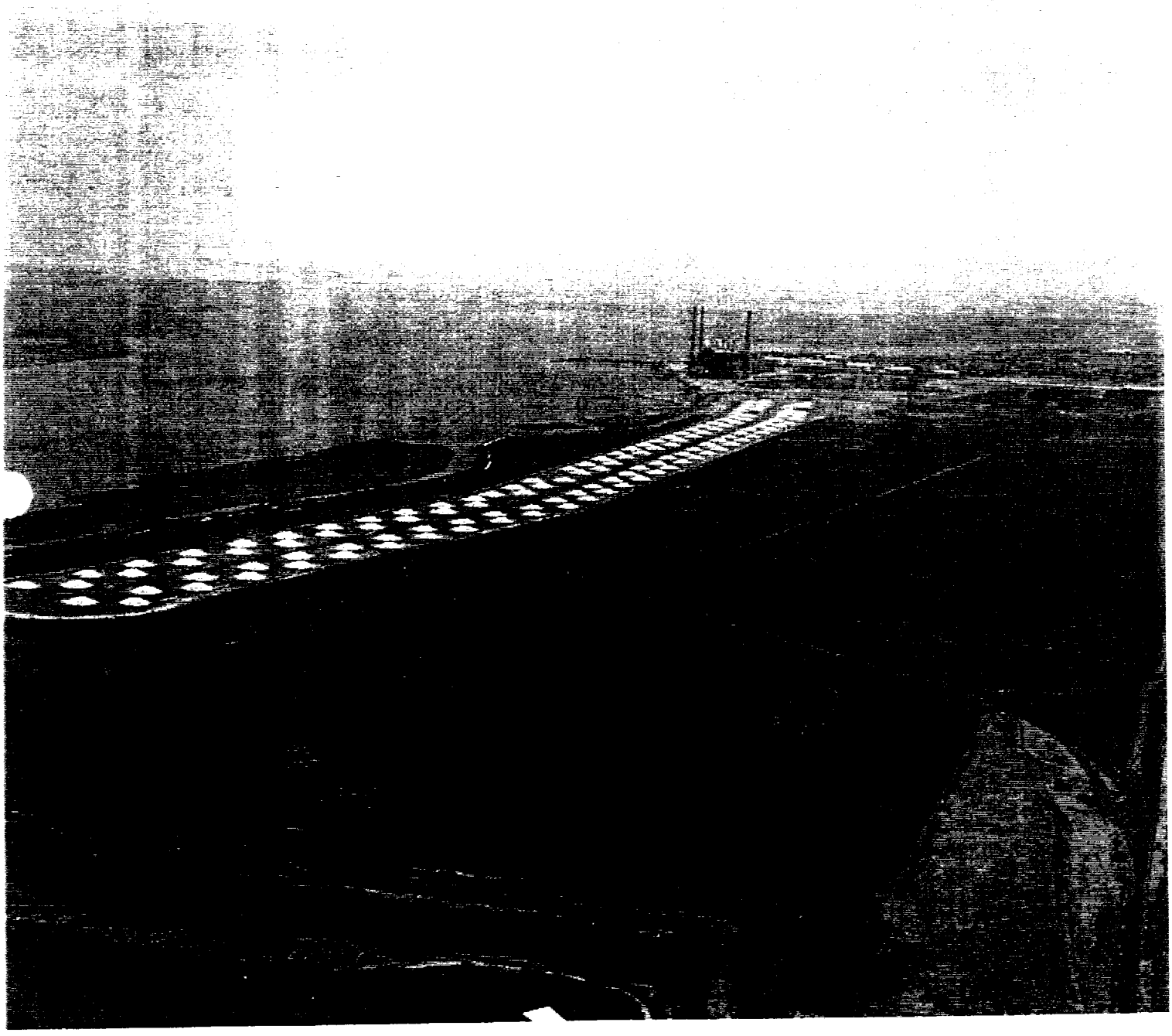


Date: 4/19/86

north

Scale: 1"= 1000' (Approx.)

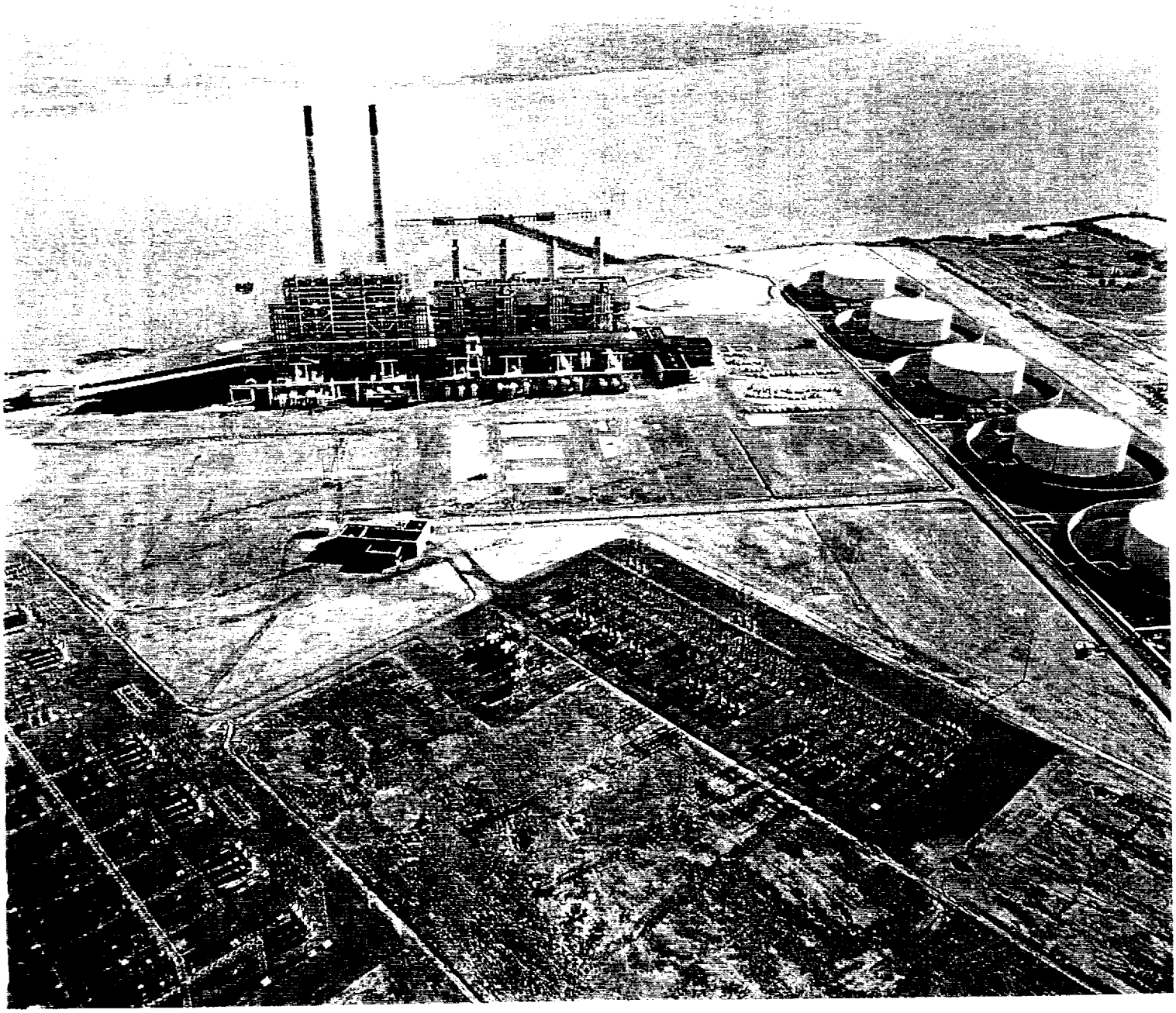
Overview of Central and Eastern Portions of Site



Date: 7/19/73

north

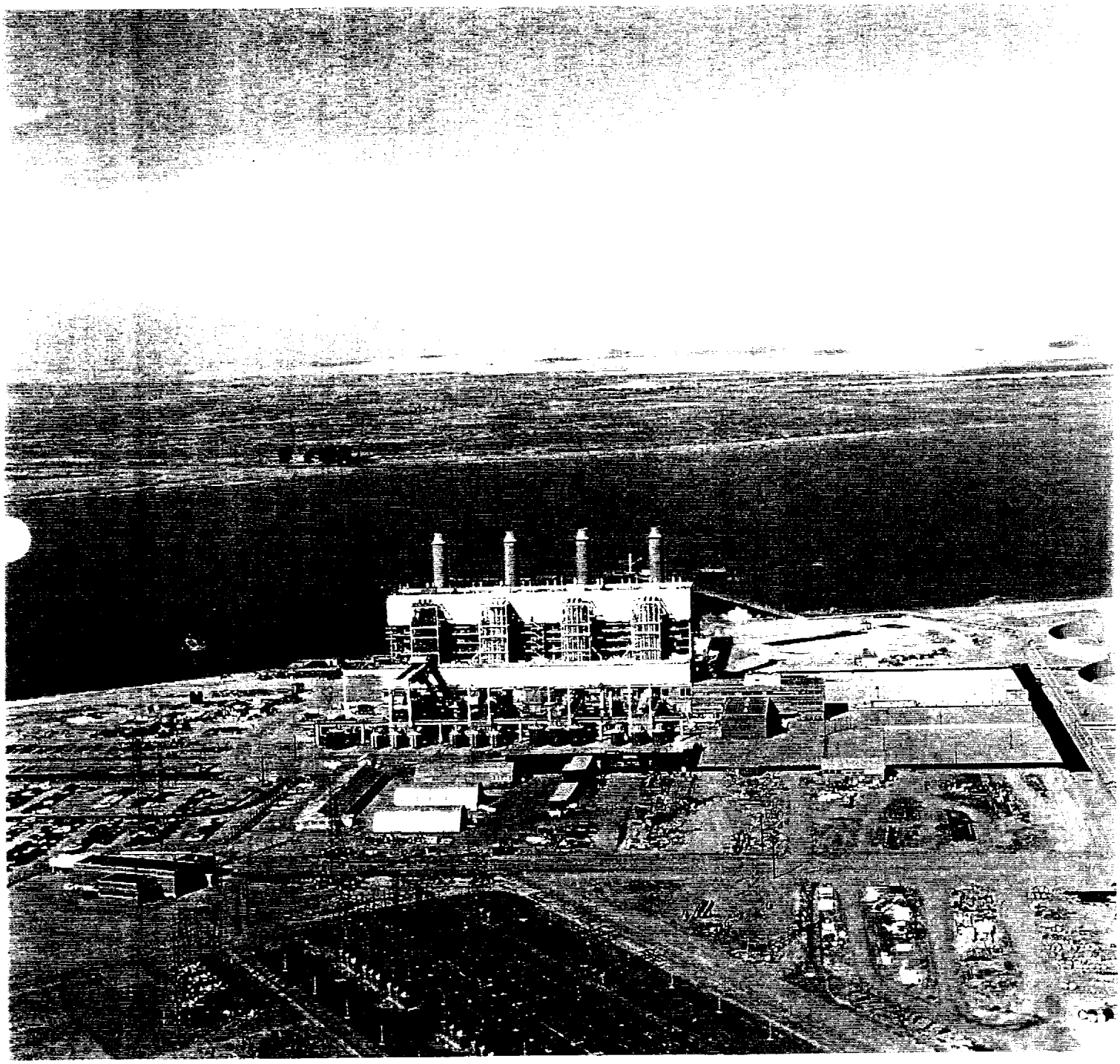
Northeasterly View of the Non-Operational Area and the Cooling Canal



Date: 6/11/63

north

View North to
Units 1 Through 6

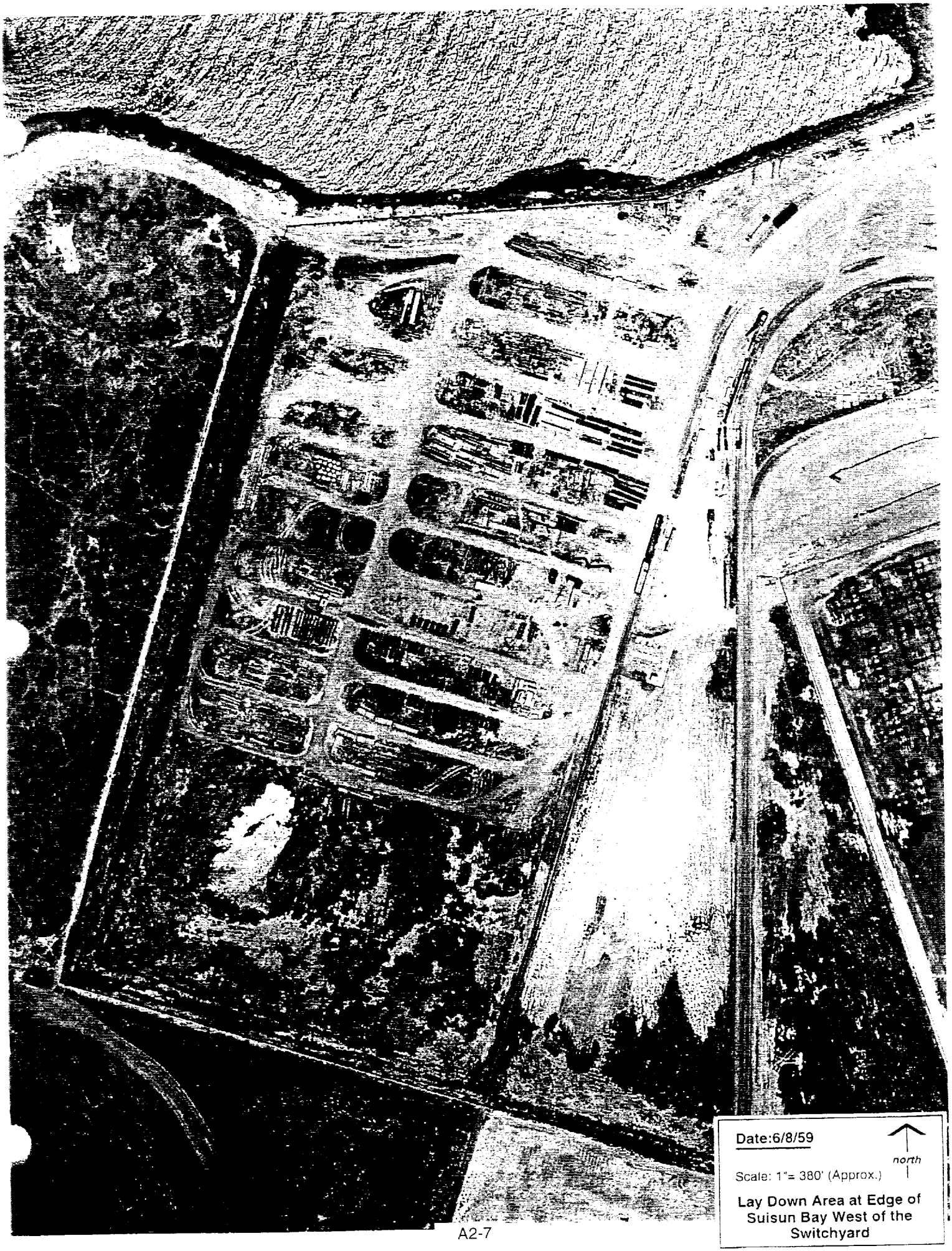


1953?
(1-4 only)

Date: 6/11/63

north

View North
Toward Units 1 Through 4



Date:6/8/59

north

Scale: 1"= 380' (Approx.)

Lay Down Area at Edge of Suisun Bay West of the Switchyard

Date: 10/30/52

north

Scale: 1"= 250' (Approx.)

Dredge Spoils & Willow Creek at Edge of Suisun Bay NearCurrent Cooling Canal

Appendix B
List of Information Reviewed

Appendix B
List of Information Reviewed

Document	Bates Number	Page(s)
A. T. Kearney, 1986. *RCRA Facility Assessment of Solid Waste Management Units at Pacific Gas and Electric Company, Pittsburg Power Plant, Contra Costa, California.* A.T. Kearney, Inc., and Science Applications International Corporation. September 24, 1986.	PTS 102792-102888	5-10, 5-11, 5-13, 5-15, 5-16, 5-17, 5-22, 5-30
Bechtel, 1952. *P & I Diagram Oil Transformer System Units 1, 2, 3, and 4 Pittsburg Steam Plant, Pacific Gas and Electric Company, San Francisco, California.* Bechtel Corporation. September 17, 1952.	CDM 012713-012717	5-8, 6-3
CCCHSD, 1994. Letter regarding *Inspection of PG&E's Pittsburg Power Plant.* Contra Costa County Health Services Department. December 14, 1994.	CDM 009849	5-5
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Appendix C
VISTA Database Report

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1 MILE)

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: 9283-110/590 PGE PITTSBURG POWER PLANT 696 W 10TH PITTSBURG, CA 94565 Latitude/Longitude: (38.035226, 121.904243)	JEFF WILLETT CAMP DRESSER MCKEE-WALNUT CRK 100 PRINGLE AVE STE 300 WALNUT CREEK, CA 94596

Site Distribution Summary

Agency / Database - Type of Records			within 1 1/8 miles	1 1/8 to 1 1/4 miles	1 1/4 to 1 1/2 miles	1 1/2 to 2 miles
A) Databases searched to 2 miles:						
US EPA	NPL	National Priority List	0	0	0	0
US EPA	CORRACTS	RCRA Corrective Actions	2	0	0	0
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	2	0	0	0
STATE	SPL	State equivalent priority list	0	0	0	0
B) Databases searched to 1 1/2 miles:						
US EPA	CERCLIS	Sites under review by US EPA	3	0	0	-
STATE	SCL	State equivalent CERCLIS list	2	0	1	-
STATE REG CO	LUST	Leaking Underground Storage Tanks	9	4	9	-
STATE/ REG/CO	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	1	0	0	-
STATE	DEED RSTR	Sites with deed restrictions	0	0	0	-
REGIONAL	NORTH BAY	Sites on North Bay Toxic List	4	0	0	-
REGIONAL	SOUTH BAY	Sites on South Bay Toxic List	0	0	0	-
STATE	CORTESE	State index of properties with hazardous waste	8	4	7	-
STATE	TOXIC PITS	Toxic Pits cleanup facilities	1	0	0	-
C) Databases searched to 1 1/4 miles:						
US EPA	RCRA Viol	RCRA violations/enforcement actions	2	0	-	-
US EPA	TRIS	Toxic Release Inventory database	2	1	-	-
STATE	UST/AST	Registered underground or aboveground storage tanks	17	5	-	-

Site Distribution Summary

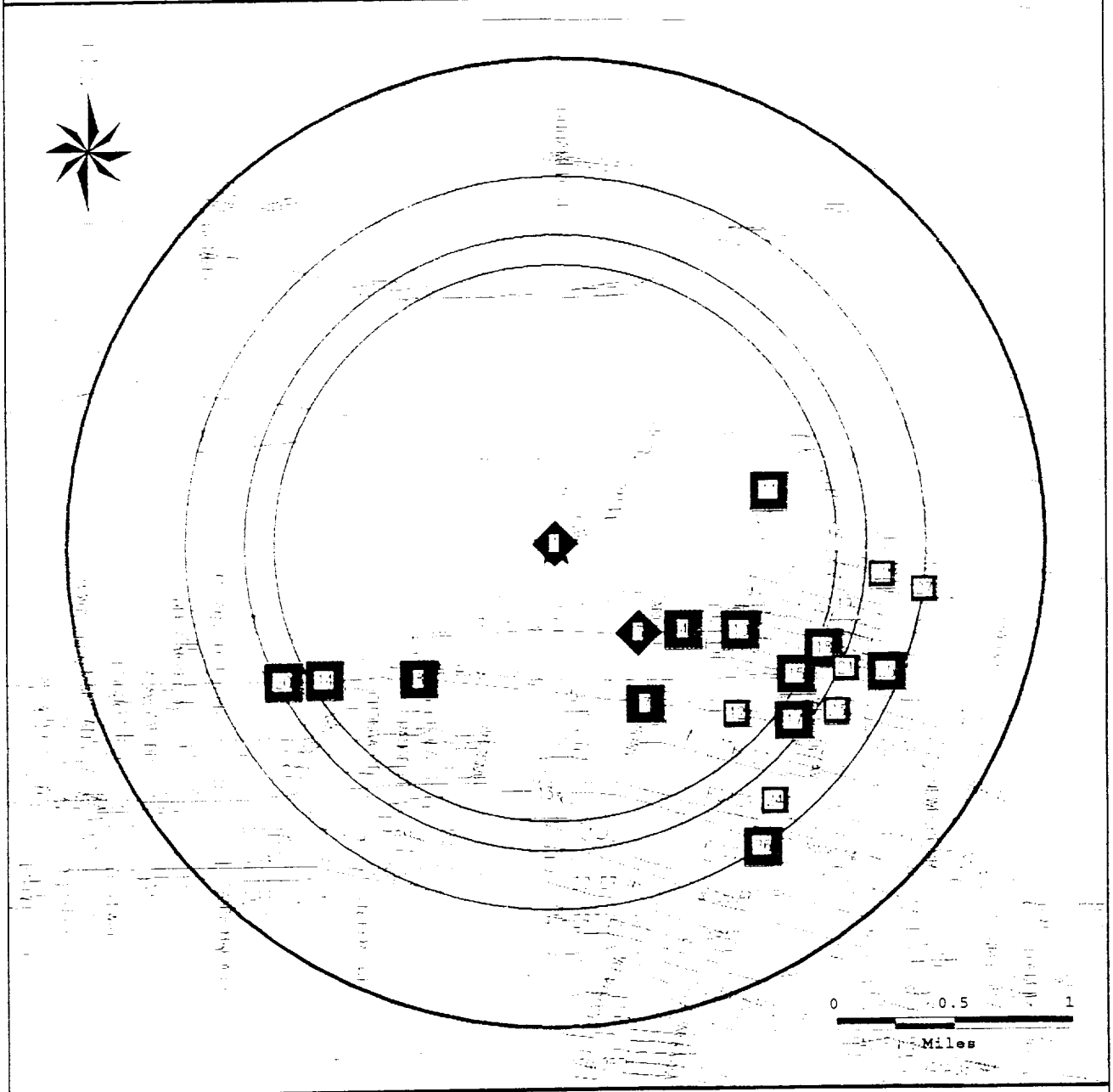
Agency / Database - Type of Records			within 1 1/8 miles	1 1/8 to 1 1/4 miles	1 1/4 to 1 1/2 miles	1 1/2 to 2 miles
D) Databases searched to 1 1/8 miles:						
US EPA	ERNS	Emergency Response Notification System of spills	10	-	-	-
US EPA	GNRTR	RCRA registered small or large generators of hazardous waste	8	-	-	-

This geographic database search meets the American Society for Testing Materials (ASTM) standards for a government records review. A (-) indicates the search distance exceeds ASTM search parameters.

NOTES

SITE ASSESSMENT PLUS REPORT
(EXTENDED BY 1 MILE)

Map of Sites within Two Miles



Category	A	B	C	D
Databases Searched to	2 mi	1 1/2 mi	1 1/4 mi	1 1/8 mi
Single Sites	◆	■		
Multiple Sites	◆	■		
	NPL, SPL, SCL, TSD	CERCLIS, LUST, SWLF	UST	ERNS, GENERATORS

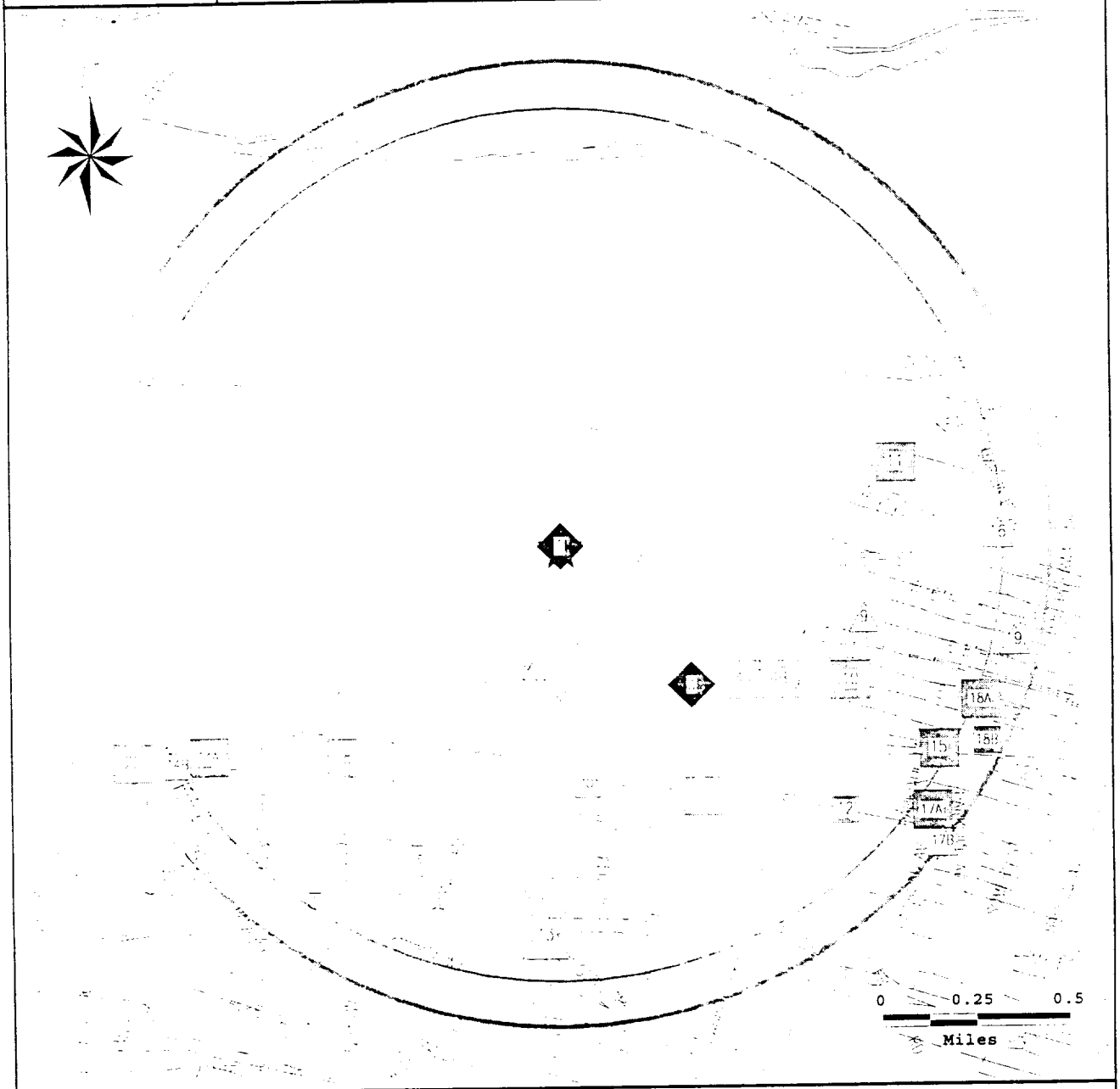
Subject Site ★

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.

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1 MILE)

Map of Sites within One and One-Quarter Miles



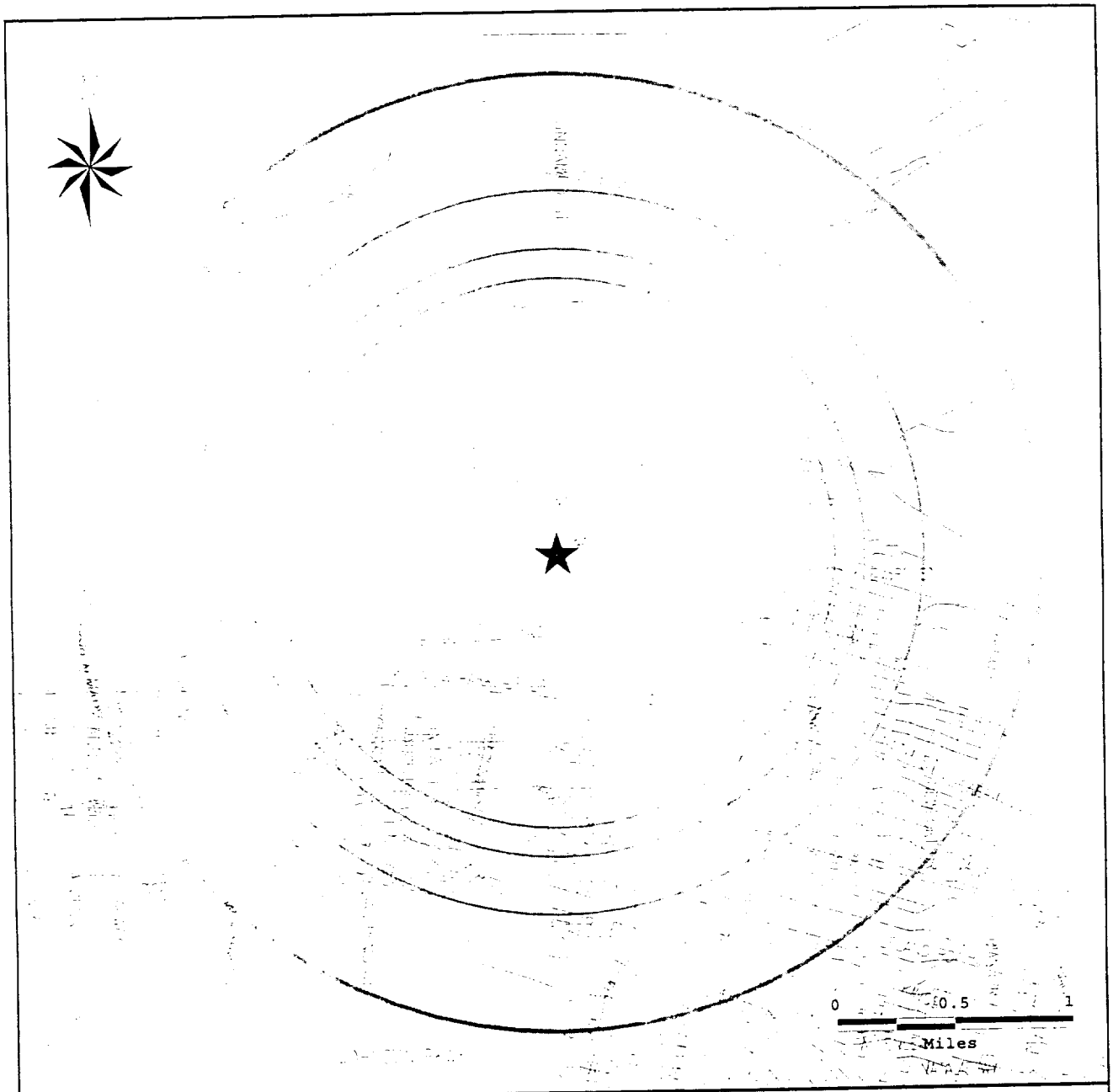
Category:	A	B	C	D
Subject Site	Databases Searched to: 2 mi.	1 1/2 mi.	1 1/4 mi.	1 1/8 mi.
★	Single Sites ◆	■	△	○
	Multiple Sites ◆	■	△	○
	NPL, SPL, SCL, TSD	CERCLIS, LUST, SWLF	UST	ERNS, GENERATORS

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.

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1 MILE)

Street Map



Subject Site

Roads, Highways, Rivers, Water Bodies

Railroads, Utilities

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1 MILE)

SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1 1/8 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	GNRTR
1	PGE 696 W 10TH ST PITTSBURGH POWER PLANT PITTSBURG, CA 94565	200349204 0.00 MI ADJACENT																	X	
1	PGE PITTSBURG 696 W. TENTH ST PITTSBURG, CA 94565	200293663 0.00 MI ADJACENT																	X	
1	PGE-PITTSBURG POWER PLANT 696 W. 10TH STREET PITTSBURG, CA 94565	328017 0.00 MI ADJACENT		X	X		X		X					X		X				X
1	PACIFIC GAS ELECTRIC 696 WEST 10TH ST PITTSBURG, CA 94565	200066436 0.00 MI ADJACENT																	X	
1	PACIFIC GAS ELECTRIC 696 WEST 10TH STREET PITTSBURG, CA 94565	200094880 0.00 MI ADJACENT																	X	
1	WDR-PGE PITTSBURG POWER PLANT 696 W. 10TH PITTSBURG, CA 94565	5432751 0.00 MI ADJACENT								X										
1	PITTSBURG POWER PLANT 696 W. 10TH STREET PITTSBURG, CA 94565	1258437 0.00 MI ADJACENT																X		
1	PACIFIC GAS AND ELECTRIC 696 WEST 10TH ST PITTSBURG, CA 94565	200096485 0.00 MI ADJACENT																	X	
1	PACIFIC GAS AND ELECTRIC 696 W. 10TH STREET PITTSBURG, CA 94565	200099813 0.00 MI ADJACENT																	X	
1	PACIFIC GAS AND ELEC CO 696 WEST 10TH STREET POWER PLANT PITTSBURG, CA 94565	200290283 0.00 MI ADJACENT																	X	
1	PGE PITTSBURG POWER PLANT 696 W 10TH STREET PITTSBURG, CA 94565	2749225 0.00 MI ADJACENT													X					
1	PGE, PITTSBURG POWER PLANT 696 W. 10ST PITTSBURG, CA 94565	200101611 0.00 MI ADJACENT																	X	
1	PG E PITTSBURG POWER PLANT 696 W 010TH PITTSBURG, CA 94565	4015598 0.00 MI ADJACENT																X		

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1 1/8 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	GNRTR
1	PITTSBURG SWITCHING CENTER 690 W. 10TH STREET PITTSBURG, CA 94565	3995330 0.00 MI ADJACENT																X		
2	TELFER SHELDON 1150 WILLOW PASS RD PITTSBURG, CA 94565	4867179 0.42 MI SW																		X
3	CONTINENTAL FIBRE DRUM, INC. 701 WILLOW PASS RD PITTSBURG, CA 94565	930682 0.45 MI SE							X											
3	SONOCO FIBRE DRUM 701 WILLOW PASS RD. PITTSBURG, CA 94565	387244 0.46 MI SE		X	X		X									X	X			X
3	CONTINENTAL FIBRE DRUM INC. 701 WILLOW PASS RD PITTSBURG, CA 94565	5360055 0.46 MI SE												X						
4A	UNION BEVERAGE INC. 640 W 10TH ST PITTSBURG, CA 94565	930676 0.54 MI SE							X											
4A	UNION BEVERAGE INC 640 W 010TH PITTSBURG, CA 94565	4015597 0.54 MI SE																X		
4A	PERFORMANCE MECHANICAL 630 10TH ST W PITTSBURG, CA 94565	4983629 0.56 MI SE							X					X						
4A	REDWOOD PAINTING CO. 620 W 010TH PITTSBURG, CA 94565	4015596 0.57 MI SE																X		
4B	DELTA SECURITY PATROL 564 W 010TH PITTSBURG, CA 94565	4015591 0.62 MI SE																X		
4B	CALDWELL ROOFING CO INC 562 W 10TH PITTSBURG, CA 94565	4495899 0.62 MI SE																X		
4B	TRENCH PLATE RENTAL CO 552 10TH PITTSBURG, CA 94565	4016289 0.63 MI SE																X		
4B	TRENCH PLATE 2 522 10TH ST W PITTSBURG, CA 94565	4983628 0.65 MI SE							X					X						
5	PETE KOOYMAN TRUCKING, INC. 1055 N PARKSIDE PITTSBURG, CA 94565	3201155 0.59 MI S																X		
6	J M ENTERPRIZE 1215 WILLOW PASS RD PITTSBURG, CA 94565	3205017 0.65 MI SW																		X
7	ACME STEEL COMPANY 855 N PARKSIDE PITTSBURG, CA 94565	4936 0.72 MI SE																X		
7	STANLEY WORKS THE 855 V PARKSIDE DR PITTSBURG, CA 94565	396880 0.72 MI SE								X			X		X					X

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1 1/8 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	GNRTR
7	ACME PACKAGING CORP 855 N PARKSIDE DR PITTSBURG, CA 94565	1595501 0.72 MI SE										X					X			X
8	NORTH AMERICAN REFRACTORIES CO 1555 NORTH PARKSIDE DRIVE PITTSBURG, CA 94565	299389 0.74 MI SW										X								
8	NORTH AMERICAN REFRACTORIES CO 1555 NORTH PARKSIDE DRIVE PITTSBURG, CA 94565	299378 0.75 MI SW																X		X
9	DELTA DIABLO PITTSBURG PUMP ST 007TH MONTEZUMA PITTSBURG, CA 94565	4034176 0.78 MI E																X		
10	JOSE'S SERVICE STATION 394 W 10TH ST. PITTSBURG, CA 94565	930678 0.80 MI E							X											
10	JOSE'S SERVICE STATION 394 10 ST W. PITTSBURG, CA 94565	5359788 0.80 MI E												X						
10	JOSE'S SERVICE STATION 394 W 010TH PITTSBURG, CA 94565	4015584 0.80 MI E																X		
11	CROWN PAINTS VACANT LOT 555 FRONT ST PITTSBURG, CA 94565	107306 0.82 MI E					X													
11	PITTSBURG MARINA EXPANSION PHASE III MONTEZUMA CODY PITTSBURG, CA 94565	1592393 0.91 MI E						X												
12	STANLEY STEEL STRAPPING 255 N PARKSIDE DR PITTSBURG, CA 94565	930254 0.99 MI SE										X								
13	DELTA DIABLO FRONTAGE RD NR DOVERWAY PITTSBURG, CA 94565	200067626 1.00 MI S																	X	
13	DOW CHEMICAL SYMTET PLANT PITTSBURG, CA 94565	200071589 1.00 MI S																	X	
13	CITY OF PITTSBURG NWFRONTAGE DOVER PITTSBURG, CA 94565	4824539 1.00 MI S																X		
14A	TRIANGLE PWC, INC 1666 WILLOW PASS RD PITTSBURG, CA 94565	5360056 1.04 MI SW												X						
14A	TRIANGLE PWC 1666 WILLOW PASS ROAD PITTSBURG, CA 94565	430141 1.04 MI SW						X	X									X		X
14B	CHEAPER! #95 1805 WILLOW PASS PITTSBURG, CA 94565	4047002 1.12 MI SW																X		
15	SANTA FE PITTSBURG DEPOT 1 SANTA FE AVE W PITTSBURG, CA 94565	4989506 1.09 MI SE							X											

MAP ID	PROPERTY AND THE ADJACENT AREA (within 1 1/8 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	GNRTR
15	SANTA FE PITTSBURG DEPOT 1 SANTA FE AVE W PITTSBURG, CA 94565	5358214 1.09 MI SE												X							
16	CITY OF PITTSBURG 51 MARINA PITTSBURG, CA 94565	4046979 1.11 MI E																X			

MAP ID	SITES IN THE SURROUNDING AREA (within 1 1/8 - 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	GNRTR
17A	SIGNODE CORP NO 1 LESLIE DRIVE PITTSBURG, CA 94565	381444 1.13 MI SE																X	X		•
17A	PITTSBURG ST DEVELOPMENT #3 1300 RAILROAD AVE PITTSBURG, CA 94565	5357041 1.21 MI SE							X					X							
17B	SLY'S AUTO REPAIR 1419 RAILROAD PITTSBURG, CA 94565	4039578 1.24 MI SE																	X		
18A	ALL STAR GAS 998 RAILROAD PITTSBURG, CA 94565	4039572 1.13 MI E																	X		
18A	BELL GAS 998 RAILROAD AVE PITTSBURG, CA 94565	5357037 1.13 MI E							X												
18A	REDDING PETROLEUM INC 1001 RAILROAD PITTSBURG, CA 94565	4039573 1.14 MI E																	X		
18A	CITY OF PITTSBURG ST REDEVL #1 1095 RAILROAD AVE PITTSBURG, CA 94565	5357039 1.15 MI E							X					X							
18B	RAILROAD AVENUE ICE HOUSE 1098 CUMBERLAND RD PITTSBURG, CA 94565	5353239 1.20 MI E												X							
19	RIVERVIEW FIRE STATION #84 200 E 006TH PITTSBURG, CA 94565	4015322 1.18 MI E																	X		
20	FOOD LIQUOR 1895 WILLOW PASS RD. PITTSBURG, CA 94565	930681 1.22 MI W							X												
20	FOOD LL LIQUOR 1895 WILLOW PASS RD PITTSBURG, CA 94565	5360057 1.22 MI W												X							

MAP ID	SITES IN THE SURROUNDING AREA (within 1 1/4 - 1 1/2 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	GNRTR
21	CATALINE BUILT HOMES, INC. 1050 LOS MEDANOS STREET PITTSBURG, CA 94565	3198475 1.27 MI E							X					X					•		
22	CAL ASIA DEVELOPMENT 391 E 3RD ST PITTSBURG, CA 94565	930664 1.32 MI E							X					X							
23	PEPSI COLA BOTTLING CO. 338 CENTRAL AVE PITTSBURG, CA 94565	930663 1.32 MI SE							X										•		
24	UNOCAL 2150 RAILROAD AVE PITTSBURG, CA 94565	5357045 1.37 MI SE							X					X							
25	CHEVRON 427 10TH E. PITTSBURG, CA 94565	5350073 1.43 MI E												X							
25	FAUTLESS CLEANERS 427 E 10TH ST PITTSBURG, CA 94565	149472 1.43 MI E							X												•
25	PITTSBURG PLUMBING 441 10TH ST E PITTSBURG, CA 94565	4983627 1.44 MI E							X					X							
26	CHEVRON USA, STATION #0-091619 11 FRONTAGE PITTSBURG, CA 94565	1150133 1.49 MI SE							X					X					•		
26	PITTSBURG FORD 2575 RAILROAD AVE PITTSBURG, CA 94565	331890 1.49 MI SE							X										•		
27	MANVILLE ASBESTOS-PITTSBURG EAST 3RD STREET PITTSBURG, CA 94565	220166 1.50 MI E						X	X					X							

MAP ID	SITES IN THE SURROUNDING AREA (within 1 1/2 - 2 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	GNRTR

No Records Found

UNMAPPED SITES	A				B									C			D	
VISTA ID	NPL	CORRACTS	TSD	SPL	CERCLIS	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
No Records Found																		

SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1 MILE)

DETAILS

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile)

VISTA Address*:	PGE 696 W 10TH ST PITTSBURGH POWER PLANT PITTSBURG, CA 94565	VISTA ID#:	200349204	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	

ERNS - Emergency Response Notification System / SRC# 2885 — Agency ID: 264684

Agency Address:	*PGE 696 W 10TH ST PITTSBURGH POWER PLANT PITTSBURGH, CA 94565*
Spill Date Time:	*OCTOBER 6, 1994 01:00:00 AM*
Case Number:	*264684*
Spill Location:	*696 W 10TH ST PITTSBURGH POWER PLANT*
Source Agency:	*N*
Discharger Name:	*WILLS, BARRY*
Discharger Org:	*PGE*
Material Spilled:	*OTHER OIL/ TURBINE OIL, 0 00 (UNK)*
Waterway Affected:	*UNKNOWN/ NONE FOUND*
Fields Not Reported:	*Discharger Phone*

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	NO	NO	NO	NO	YES

VISTA Address*:	PGE PITTSBURG 696 W. TENTH ST PITTSBURG, CA 94565	VISTA ID#:	200293663	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	

ERNS - Emergency Response Notification System / SRC# 2885 — Agency ID: 94-2653

Agency Address:	*SAME AS ABOVE*
Spill Date Time:	*MARCH 6, 1994 08:45:00 AM*
Case Number:	*94-2653*
Spill Location:	*696 W. TENTH ST*
Source Agency:	*E*
Discharger Name:	*DEBONA THERESA*
Discharger Org:	*PGE PITTSBURG*
Material Spilled:	*SULFURIC ACID 800 00 (GAL)*
Fields Not Reported:	*Discharger Phone, Waterway Affected*

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	YES	NO	NO	NO	NO

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

VISTA Address*:	PGE-PITTSBURG POWER PLANT 696 W. 10TH STREET PITTSBURG, CA 94565	VISTA ID#:	328017	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	
		EPA ID:	CAT080011695	

CERCLIS / SRC# 2738

Agency Address:	*PGE-PITTSBURG POWER PLANT* *696 W. 10TH STREET* *PITTSBURG, CA 94612*
NPL Status:	*NOT A PROPOSED, CURRENT, OR DELETED NPL SITE*
Site Ownership:	*UNKNOWN*
Lead Agency:	*NOT AVAILABLE*
Site Description:	*NOT REPORTED*

Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
DISCOVERY	*EPA FUND-FINANCED*	*UNKNOWN*	*NOT REPORTED*	*DECEMBER 29, 1992*

CORRACTS / SRC# 2909

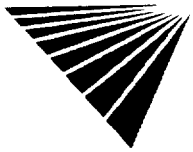
EPA ID: CAT080011695

Agency Address:	*PGE PITTSBURG POWER PLANT* *696 W 10TH ST* *PITTSBURG, CA 94565*
Prioritization Status:	*HIGH*
RCRA Facility Assessment Completed:	*YES*
Notice of Contamination:	*NO*
Determination of need For a RFI (RCRA Facility Investigation):	*NO*
RFI Imposed:	*YES*
RFI Workplan Notice of Deficiency Issued:	*NO*
RFI Workplan Approved:	*YES*
RFI Report Received:	*NO*
RFI Approved:	*NO*
No Further Corrective Action at this Time:	*NO*
Stabilization Mesaures Evaluation:	*YES*
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:	*NO*

RCRA-TSD / SRC# 2909

EPA ID: CAT080011695

Agency Address:	*PGE PITTSBURG POWER PLANT* *696 W 10TH ST* *PITTSBURG, CA 94565*
Off-Site Waste Received:	*NO*
Land Disposal:	*YES*
Incinerator:	*NO*
Storage/Treatment:	*NO*



PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

RCRA-LgGen - RCRA-Large Generator / SRC# 2909	EPA ID:	CAT080011695
Agency Address:	PGE PITTSBURG POWER PLANT 696 W 10TH ST PITTSBURG, CA 94565	
Generator Class:	GENERATORS WHO GENERATE AT LEAST 1000 KG /MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG /MONTH OF ACUTELY HAZARDOUS WASTE	

RCRA-Violations / SRC# 2909	EPA ID:	CAT080011695
Agency Address:	PGE PITTSBURG POWER PLANT 696 W 10TH ST PITTSBURG, CA 94565	
Violation Type:	TSD--GROUNDWATER MONITORING REQ.	
Violation Date:	AUGUST 1, 1987	
Violation Class:	1	
Actual Compliance Date:	JUNE 24, 1992	
Scheduled Compliance Date:	NOT REPORTED	
Violation Type:	TSD--GROUNDWATER MONITORING REQ	
Violation Date:	OCTOBER 19, 1990	
Violation Class:	1	
Actual Compliance Date:	JUNE 24 1992	
Scheduled Compliance Date:	NOT REPORTED	
Violation Type:	GENERATOR--LAND BAN REQUIREMENTS	
Violation Date:	AUGUST 17, 1990	
Violation Class:	1	
Actual Compliance Date:	JUNE 24, 1992	
Scheduled Compliance Date:	NOT REPORTED	
Violation Type:	TSD--OTHER REQUIREMENTS (OVERSITE LEVEL)	
Violation Date:	AUGUST 17, 1990	
Violation Class:	1	
Actual Compliance Date:	JUNE 24, 1992	
Scheduled Compliance Date:	NOT REPORTED	
Violation Type:	TSD--CLOSURE/POST-CLOSURE REQ	
Violation Date:	AUGUST 17, 1990	
Violation Class:	1	
Actual Compliance Date:	JUNE 24, 1992	
Scheduled Compliance Date:	NOT REPORTED	
Enforcement Number:	890327004	
Enforcement Agency:	State	
Action Date:	MARCH 27, 1989	
Action Type:	STATE TO EPA REFFERAL	
Penalty Assessed:	NOT REPORTED	
Penalty Settlement:	NOT REPORTED	
Enforcement Number:	900921003	
Enforcement Agency:	State	
Action Date:	SEPTEMBER 21, 1990	
Action Type:	WRITTEN INFORMAL	
Penalty Assessed:	NOT REPORTED	
Penalty Settlement:	NOT REPORTED	
Enforcement Number:	901227	
Enforcement Agency:	State	
Action Date:	DECEMBER 27, 1990	
Action Type:	3008(A) COMPLIANCE ORDER	
Penalty Assessed:	NOT REPORTED	
Penalty Settlement:	NOT REPORTED	

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

Enforcement Number:	920219
Enforcement Agency:	State
Action Date:	FEBRUARY 19, 1992
Action Type:	3008(A) COMPLIANCE ORDER
Penalty Assessed:	42000
Penalty Settlement:	42000

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 | Agency ID: 29479

Agency Address:	PG E PITTSBURG POWER PLT 696 W 10TH ST PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	UNLEADED GAS
Leak Cause:	UNAVAILABLE
Remedial Action:	EXCAVATE, TREAT
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# 2932 | Agency ID: 07-0235

Agency Address:	PGE PITTSBURGH POWER PLANT 696 10TH ST W PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Discovery Date:	MAY 2, 1986
Media Affected:	SOIL/SAND/LAND
Substance:	UNLEADED GAS
Leak Cause:	UNKNOWN
Leak Source:	UNDERGROUND TANK
Remedial Action:	EXCAVATE, TREAT
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

CORTESE / SRC# 2298 | EPA/Agency ID: N/A

Agency Address:	PGE 696 10TH ST W PITTSBURG, CA
List Name:	LEAKING TANK
Site ID:	INV-ID07-000315

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

VISTA Address*:	PACIFIC GAS ELECTRIC 696 WEST 10TH ST PITTSBURG, CA 94565	VISTA ID#:	200066436	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	
		Agency ID:	100222	

ERNS - Emergency Response Notification System / SRC# 2885

Agency Address:	*PACIFIC GAS ELECTRIC* *696 WEST 10TH ST* *PITTSBURGH, CA*
Spill Date Time:	*DECEMBER 18, 1991 04:40:00 PM*
Case Number:	*100222*
Spill Location:	*696 WEST 10TH ST*
Source Agency:	*N*
Discharger Name:	*GOSSARD ROBERT*
Discharger Org:	*PACIFIC GAS ELECTRIC*
Material Spilled:	*ASPHALT EMULSION, 0.00 (GAL)*
Waterway Affected:	*DRAIN AREA THAT LEADS TO WILLOW CREEK*
Fields Not Reported:	*Discharger Phone*

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	*NO*	*YES*	*NO*	*NO*	*NO*

VISTA Address*:	PACIFIC GAS ELECTRIC 696 WEST 10TH STREET PITTSBURG, CA 94565	VISTA ID#:	200094880	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	
		Agency ID:	44370	

ERNS - Emergency Response Notification System / SRC# 2885

Agency Address:	*PACIFIC GAS ELECTRIC* *696 WEST 10TH STREET* *PITTSBURG, CA*
Spill Date Time:	*OCTOBER 20, 1990 06:45:00 AM*
Case Number:	*44370*
Spill Location:	*696 WEST 10TH STREET*
Source Agency:	*N*
Discharger Name:	*GOSSARD ROBERT*
Discharger Org:	*PACIFIC GAS ELECTRIC*
Material Spilled:	*SULFURIC ACID, 3300.00 (GAL)*
Waterway Affected:	*CONCRETE CONTAINMENT AREA*
Fields Not Reported:	*Discharger Phone*

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	*NO*	*NO*	*NO*	*NO*	*YES*

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

VISTA Address*:	WDR-PGE PITTSBURG POWER PLANT 696 W. 10TH PITTSBURG, CA 94565	VISTA ID#:	5432751	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	
		Agency ID:	2 071030004	

WMUDS / SRC# 2463

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:	*NO*
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*
Threat To Water:	*MAJOR 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 dispoal site. Includes detection systems or ground water monitoring wells.*
Facilty 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):	*HAZARDOUS - Influent or solid wastes that contain toxic, corrosive, ignitable or reactive substances and must be managed according to applicable DOHS standards (industrial/manufacturing process / PROCESS WASTE*
Waste 2 (Nature/Type):	*NOT REPORTED*
Rank:	*NOT REPORTED*
Enforcements At Facility:	*NO*
Violations At Facility:	*YES*

VISTA Address*:	PITTSBURG POWER PLANT 696 W. 10TH STREET PITTSBURG, CA 94565	VISTA ID#:	1258437	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	
		EPA/Agency ID:	N/A	

AST - Above Ground Storage Tank / SRC# 2824

Agency Address:	*SAME AS ABOVE*
Underground Tanks:	*NOT REPORTED*
Aboveground Tanks:	*NOT REPORTED*
Tanks Removed:	*NOT REPORTED*

VISTA Address*:	PACIFIC GAS AND ELECTRIC 696 WEST 10TH ST PITTSBURG, CA 94565	VISTA ID#:	200096485	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	
ERNS - Emergency Response Notification System / SRC# 2885		Agency ID:	47048	

Agency Address:	PACIFIC GAS AND ELECTRIC 696 WEST 10TH ST PITTSBURGH, CA
Spill Date Time:	NOVEMBER 9, 1990 07:00:00 AM
Case Number:	47048
Spill Location:	696 WEST 10TH ST
Source Agency:	N
Discharger Name:	GOSSARD, ROBERT
Discharger Org:	PACIFIC GAS AND ELECTRIC
Material Spilled:	LOW SULPHUR FUEL OIL, 1.00 (GAL)
Waterway Affected:	SAN JAUQUIN RIVER
Fields Not Reported:	Discharger Phone

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	NO	YES	NO	NO	NO

VISTA Address*:	PACIFIC GAS AND ELECTRIC 696 W. 10TH STREET PITTSBURG, CA 94565	VISTA ID#:	200099813	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	
ERNS - Emergency Response Notification System / SRC# 2885		Agency ID:	50987	

Agency Address:	PACIFIC GAS AND ELECTRIC 696 W 10TH STREET PITTSBURGH, CA
Spill Date Time:	DECEMBER 13, 1990 03:00:00 PM
Case Number:	50987
Spill Location:	696 W 10TH STREET
Source Agency:	N
Discharger Name:	GOSSARD, ROBERT
Discharger Org:	PACIFIC GAS AND ELECTRIC
Material Spilled:	THIOUREA, 1.00 (LBS)
Waterway Affected:	SAN JOAQUIN RIVER
Fields Not Reported:	Discharger Phone

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	NO	YES	NO	NO	NO

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

VISTA Address*:	VISTA ID#:	Map ID
PACIFIC GAS AND ELEC CO 696 WEST 10TH STREET POWER PLANT PITTSBURG, CA 94565	200290283	1
	Distance/Direction: 0.00 MI / ADJACENT.	
	Plotted as: Point	
	Agency ID: 224741	

ERNS - Emergency Response Notification System / SRC# 2885

Agency Address:	SAME AS ABOVE
Spill Date Time:	MARCH 6, 1994 08:45:00 PM
Case Number:	224741
Spill Location:	696 WEST 10TH STREET POWER PLANT
Source Agency:	N
Discharger Name:	DEBONO, TERESA
Discharger Org:	PACIFIC GAS AND ELEC CO
Material Spilled:	SULFURIC ACID, 800.00 (GAL)
Waterway Affected:	COOLING WATER FROM TREATMENT SYSTEM
Fields Not Reported:	Discharger Phone

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	NO	YES	NO	NO	NO

VISTA Address*:	VISTA ID#:	Map ID
PGE PITTSBURG POWER PLANT 696 W 10TH STREET PITTSBURG, CA 94565	2749225	1
	Distance/Direction: 0.00 MI / ADJACENT	
	Plotted as: Point	
	Agency ID: 02008	

Toxic Pits / SRC# 2229

Agency Address:	SAME AS ABOVE
Within 1/2 Mile of Potential Drinking Water Source:	YES
Number Of Pits:	5
Final HAR Rev Completed:	MARCH 31, 1987
CD (Cease Discharge) Due Date:	JUNE 30 1988
Fields Not Reported:	HAR (Hydro-geological Assessment Report) Due Date, CD Complete Date, Closure Due Date, Closure Complete

VISTA Address*:	VISTA ID#:	Map ID
PGE, PITTSBURG POWER PLANT 696 W. 10ST PITTSBURG, CA 94565	200101611	1
	Distance/Direction: 0.00 MI / ADJACENT	
	Plotted as: Point	
	Agency ID: 91-1961	

ERNS - Emergency Response Notification System / SRC# 2885

Agency Address:	SAME AS ABOVE
Spill Date Time:	DECEMBER 13, 1990 03:00:00 PM
Case Number:	91-1961
Spill Location:	696 W 10ST
Source Agency:	E
Discharger Org:	PGE, PITTSBURG POWER PLANT
Material Spilled:	THIOUREA, 1.00 (LBS)
Waterway Affected:	STORM DRAIN, SAN JOAQUIN RIVER
Fields Not Reported:	Discharger Name, Discharger Phone

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	NO	YES	NO	NO	NO

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

VISTA Address*:	PG E PITTSBURG POWER PLANT 696 W 010TH PITTSBURG,-CA 94565	VISTA ID#:	4015598	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	
STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A	

Agency Address:	SAME AS ABOVE		
Underground Tanks:	1		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	1U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	UNKNOWN

VISTA Address*	PITTSBURG SWITCHING CENTER 690 W. 10TH STREET PITTSBURG, CA 94565	VISTA ID#:	3995330	Map ID
		Distance/Direction:	0.00 MI / ADJACENT	1
		Plotted as:	Point	
AST - Above Ground Storage Tank / SRC# 2824		EPA/Agency ID:	N/A	

Agency Address:	PITTSBURG SWITCHING CENTER 690 W 10TH STREET PITTSBURG, CA
Underground Tanks:	NOT REPORTED
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

VISTA Address*	TELFER SHELDON 1150 WILLOW PASS RD PITTSBURG, CA 94565	VISTA ID#:	4867179	Map ID
		Distance/Direction:	0.42 MI / SW	2
		Plotted as:	Point	
RCRA-SmGen - RCRA-Small Generator / SRC# 2909		EPA ID:	CAD983670217	

Agency Address:	TELFER SHELDON 1150 WILLOW PASS RD WEST PITTSBURG, CA 94565
Generator Class:	GENERATORS WHO GENERATE 100 KG./MONTH BUT LESS THAN 1000 KG. MONTH OF NON-ACUTELY HAZARDOUS WASTE

VISTA Address*	CONTINENTAL FIBRE DRUM, INC. 701 WILLOW PASS RD PITTSBURG, CA 94565	VISTA ID#:	930682	Map ID
		Distance/Direction:	0.45 MI / SE	3
		Plotted as:	Point	
STATE LUST - State Leaking Underground Storage Tank / SRC# 2733		Agency ID:	70529	

Agency Address:	CONTINENTAL FIBRE DRUM, INC 701 WILLOW PASS RD PITTSBURG, CA
Tank Status:	NOT AVAILABLE
Media Affected:	GROUNDWATER
Substance:	HEATING OIL
Leak Cause:	UNAVAILABLE
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	PRELIMINARY ASSESSMENT
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932		Agency ID:	07-0102
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Discovery Date:	APRIL 14, 1973		
Media Affected:	GROUNDWATER		
Substance:	HEATING OIL		
Leak Cause:	CORROSION		
Leak Source:	UNDERGROUND TANK		
Remedial Action:	NO ACTION TAKEN		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		

Map ID **3**

VISTA Address*:	SONOCO FIBRE DRUM 701 WILLOW PASS RD. PITTSBURG, CA 94565	VISTA ID#:	387244
		Distance/Direction:	0.46 MI / SE
		Plotted as:	Point
		EPA ID:	CAD093073427

CERCLIS / SRC# 2738	
Agency Address:	SAME AS ABOVE
NPL Status:	NOT A PROPOSED, CURRENT, OR DELETED NPL SITE
Site Ownership:	PRIVATE/NON-GOVERNMENTAL
Lead Agency:	NOT AVAILABLE
Site Description:	NOT REPORTED

Event Type:	Lead Agency:	Event Status:	Start Date:	Completion Date:
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	OCTOBER 1, 1990
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	DEFERRED TO RCRA (SUBTITLE C) OR NRC	NOT REPORTED	SEPTEMBER 6, 1991

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

CORRACTS / SRC# 2909	EPA ID:	CAD093073427
Agency Address:	SONOCO FIBRE DRUM INC 701 WILLOW PASS RD PITTSBURG, CA 94565	
Prioritization Status:	LOW	
RCRA Facility Assessment Completed:	NO	
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:	YES	
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:	NO	

RCRA-TSD / SRC# 2909	EPA ID:	CAD093073427
Agency Address:	SONOCO FIBRE DRUM INC 701 WILLOW PASS RD PITTSBURG, CA 94565	
Off-Site Waste Received:	NO	
Land Disposal:	NO	
Incinerator:	NO	
Storage/Treatment:	NO	

RCRA-LgGen - RCRA-Large Generator / SRC# 2909	EPA ID:	CAD093073427
Agency Address:	SONOCO FIBRE DRUM INC 701 WILLOW PASS RD PITTSBURG, CA 94565	
Generator Class:	GENERATORS WHO GENERATE AT LEAST 1000 KG /MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG /MONTH OF ACUTELY HAZARDOUS WASTE	

RCRA-Violations / SRC# 2909	EPA ID:	CAD093073427
Agency Address:	SONOCO FIBRE DRUM INC 701 WILLOW PASS RD PITTSBURG, CA 94565	
Violation Type:	TSD--LAND BAN REQUIREMENTS	
Violation Date:	FEBRUARY 27, 1989	
Violation Class:	1	
Actual Compliance Date:	FEBRUARY 9 1990	
Scheduled Compliance Date:	JULY 7 1989	

Violation Type:	GENERATOR--LAND BAN REQUIREMENTS
Violation Date:	FEBRUARY 27, 1989
Violation Class:	1
Actual Compliance Date:	FEBRUARY 9, 1990
Scheduled Compliance Date:	JULY 7, 1989
Violation Type:	GENERATOR--OTHER REQUIREMENTS
Violation Date:	JUNE 30, 1992
Violation Class:	1
Actual Compliance Date:	JULY 22, 1992
Scheduled Compliance Date:	NOT REPORTED
Enforcement Number:	890330001
Enforcement Agency:	State
Action Date:	MARCH 30, 1989
Action Type:	WRITTEN INFORMAL
Penalty Assessed:	NOT REPORTED
Penalty Settlement:	NOT REPORTED
Enforcement Number:	920702
Enforcement Agency:	EPA
Action Date:	JULY 2, 1992
Action Type:	WRITTEN INFORMAL
Penalty Assessed:	NOT REPORTED
Penalty Settlement:	NOT REPORTED

TRIS - Toxic Release Inventory System / SRC# 2587 | EPA ID: CAD093073427

Agency Address: SCNOCC FIBRE DRUM INC.
701 WILLOW PASS RD
PITTSBURG, CA 945651897

Chemical Abstract Service Registry:	Quantity Released:
XYLENE (MIXED ISOMERS)	250.00 (POUNDS)
1,1,1-TRICHLORCETHANE	55064.00 (POUNDS)

Map ID **3**

VISTA Address*: CONTINENTAL FIBRE DRUM INC.
701 WILLOW PASS RD
PITTSBURG, CA 94565

VISTA ID#:	5360055
Distance/Direction:	0.46 MI / SE
Plotted as:	Point

CORTESE / SRC# 2298 | EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
List Name:	LEAKING TANK
Site ID:	INV-ID07-000180

Map ID **4A**

VISTA Address*: UNION BEVERAGE INC.
640 W 10TH ST
PITTSBURG, CA 94565

VISTA ID#:	930676
Distance/Direction:	0.54 MI / SE
Plotted as:	Point

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 | Agency ID: 13494

Agency Address:	UNION BEVERAGE INC. 640 W 10TH ST PITTSBURG, CA
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	NO ACTION TAKEN
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# 2932 | Agency ID: 07-0341

Agency Address:	UNION BEVERAGE, INC 640 10TH ST W PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Discovery Date:	AUGUST 1, 1987
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	CORROSION
Leak Source:	UNDERGROUND TANK
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

Map ID: 4A

VISTA Address*: UNION BEVERAGE INC
640 W 010TH
PITTSBURG, CA 94565

VISTA ID#: 4015597
Distance/Direction: 0.54 MI / SE
Plotted as: Point

STATE UST - State Underground Storage Tank / SRC# 1612 | EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
Underground Tanks:	2
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	1000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	1000 (GALLONS)	Tank Material:	UNKNOWN

Map ID: 4A

VISTA Address*: PERFORMANCE MECHANICAL
630 10TH ST W
PITTSBURG, CA 94565

VISTA ID#: 4983629
Distance/Direction: 0.56 MI / SE
Plotted as: Point

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 | Agency ID: 71228

Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	NO ACTION TAKEN
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# 2932 | Agency ID: 07-0480

Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Discovery Date:	AUGUST 20, 1990
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNKNOWN
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

CORTESE / SRC# 2298 | EPA/Agency ID: N/A

Agency Address:	PERFORMANCE MECHANICAL 630 10TH ST W PITTSBURG, CA 94565
List Name:	LEAKING TANK
Site ID:	INV-ID07-003117

Map ID 4A

VISTA Address*: REDWOOD PAINTING CO.
620 W 010TH
PITTSBURG, CA 94565

VISTA ID#: 4015596
Distance/Direction: 0.57 MI / SE
Plotted as: Point

STATE UST - State Underground Storage Tank / SRC# 1612 | EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
Underground Tanks:	3
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	GALVANIZED STEEL
Tank Size (Units):	1000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	GALVANIZED STEEL
Tank Size (Units):	1000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	GALVANIZED STEEL
Tank Size (Units):	2000 (GALLONS)	Tank Material:	BARE STEEL

Map ID 4B

VISTA Address*: DELTA SECURITY PATROL
564 W 010TH
PITTSBURG, CA 94565

VISTA ID#: 4015591
Distance/Direction: 0.62 MI / SE
Plotted as: Point

STATE UST - State Underground Storage Tank / SRC# 1612 | EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
Underground Tanks:	2
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	2000 (GALLONS)	Tank Material:	UNKNOWN

Tank ID:	2U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	2000 (GALLONS)	Tank Material:	UNKNOWN

Map ID **4B**

VISTA Address*: CALDWELL ROOFING CO INC
562 W 10TH
PITTSBURG, CA 94565

VISTA ID#:	4495899
Distance/Direction:	0.62 MI / SE
Plotted as:	Point
EPA/Agency ID:	N/A

STATE UST - State Underground Storage Tank / SRC# 1612

Agency Address:	SAME AS ABOVE
Underground Tanks:	1
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	GALVANIZED STEEL
Tank Size (Units):	2000 (GALLONS)	Tank Material:	FIBERGLASS

Map ID **4B**

VISTA Address*: TRENCH PLATE RENTAL CO
552 10TH
PITTSBURG, CA 94565

VISTA ID#:	4016289
Distance/Direction:	0.63 MI / SE
Plotted as:	Point
EPA/Agency ID:	N/A

STATE UST - State Underground Storage Tank / SRC# 1612

Agency Address:	SAME AS ABOVE
Underground Tanks:	1
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	CLOSED
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	2000 (GALLONS)	Tank Material:	UNKNOWN

Map ID **4B**

VISTA Address*: TRENCH PLATE 2
522 10TH ST W
PITTSBURG, CA 94565

VISTA ID#:	4983628
Distance/Direction:	0.65 MI / SE
Plotted as:	Point
Agency ID:	70507

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733

Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Media Affected:	GROUNDWATER
Substance:	DIESEL
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# 2932 — Agency ID: 07-0460

Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Discovery Date:	APRIL 12, 1988
Media Affected:	GROUNDWATER
Substance:	DIESEL
Leak Cause:	UNKNOWN
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY
Remedial Action:	NOT AVAILABLE
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

CORTESE / SRC# 2298 — EPA/Agency ID: N/A

Agency Address:	TRENCH PLATE C 522 10TH ST W PITTSBURG, CA 94565
List Name:	LEAKING TANK
Site ID:	INV-ID07-000107

VISTA Address*: PETE KOOYMAN TRUCKING, INC.
1055 N PARKSIDE
PITTSBURG, CA 94565

VISTA ID#: 3201155 | Distance/Direction: 0.59 MI / S | Plotted as: Point | Map ID 5

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
Underground Tanks:	2
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1C	Tank Status:	CLOSED REMOVED
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2C	Tank Status:	CLOSED REMOVED
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	UNKNOWN

VISTA Address*: J M ENTERPRIZE
1215 WILLOW PASS RD
PITTSBURG, CA 94565

VISTA ID#: 3205017 | Distance/Direction: 0.65 MI / SW | Plotted as: Point | Map ID 6

RCRA-LgGen - RCRA-Large Generator / SRC# 2909 — EPA ID: CAD983621046

Agency Address:	J M ENTERPRIZE 1215 WILLOW PASS RD WEST PITTSBURG, CA 94565
Generator Class:	GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE

				Map ID
VISTA Address*:	ACME STEEL COMPANY 855 N PARKSIDE PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	4936 0.72 MI / SE Point	7

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
Underground Tanks:	2
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	CLOSED REMOVED
Tank Contents:	MISC CHEMICAL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	2000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	5000 (GALLONS)	Tank Material:	UNKNOWN

				Map ID
VISTA Address*:	STANLEY WORKS THE 855 V PARKSIDE DR PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	396880 0.72 MI / SE Point	7

RCRA-LgGen - RCRA-Large Generator / SRC# 2909 — EPA ID: CAD981427008

Agency Address:	SAME AS ABOVE
Generator Class:	GENERATORS WHO GENERATE AT LEAST 1000 KG /MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 — Agency ID: 07NBC0010

Agency Address:	STANLEY STRAPPING SYSTEMS 855 V PARKSIDE DR PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Media Affected:	UNKNOWN
Substance:	OTHER AUTO FUELS,OILS,FLUIDS
Leak Cause:	UNAVAILABLE
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	NO ACTION TAKEN BY RESPONSIBLE PARTY
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932 — Agency ID: 07NBC0010

Agency Address:	STANLEY STEEL STRAPPING 855 PARKSIDE DR E PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Discovery Date:	SEPTEMBER 15, 1987
Media Affected:	UNKNOWN
Substance:	OTHER AUTO FUELS,OILS,FLUIDS
Leak Cause:	STRUCTURAL FAILURE
Leak Source:	UNDERGROUND TANK
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	NO ACTION TAKEN BY RESPONSIBLE PARTY
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

CORTESE / SRC# 2298 — EPA/Agency ID: N/A

Agency Address: STANLEY STEEL STRAPPING
855 PARKSIDE DR N
PITTSBURG, CA 94565

List Name: LEAKING TANK

Site ID: INV-ID07-000007

VISTA Address*: ACME PACKAGING CORP
855 N PARKSIDE DR
PITTSBURG, CA 94565

VISTA ID#: 1595501 | Distance/Direction: 0.72 MI / SE | Plotted as: Point

Map ID 7

RCRA-LgGen - RCRA-Large Generator / SRC# 2909 — EPA ID: CAD982360562

Agency Address: SAME AS ABOVE

Generator Class: GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE

TRIS - Toxic Release Inventory System / SRC# 2587 — EPA ID: CAD982360562

Agency Address: ACME PACKAGING CORP PITTSBURG EAST FAC
855 N. PARKSIDE DR
PITTSBURG, CA 945653799

Chemical Abstract Service Registry: NOT REPORTED

Quantity Released: 13983.00 (POUNDS)

VISTA Address*: NORTH AMERICAN REFRACTORIES CO
1555 NORTH PARKSIDE DRIVE
PITTSBURG, CA 94565

VISTA ID#: 299378 | Distance/Direction: 0.75 MI / SW | Plotted as: Point

Map ID 8

RCRA-LgGen - RCRA-Large Generator / SRC# 2909 — EPA ID: CAD028919694

Agency Address: SAME AS ABOVE

Generator Class: GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address: NORTH AMERICAN REFRACTORIES CO
1555 N PARKSIDE
PITTSBURG, CA 94565

Underground Tanks: 1

Aboveground Tanks: NOT REPORTED

Tanks Removed: NOT REPORTED

Tank ID:	1U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	1000 (GALLONS)	Tank Material:	UNKNOWN

VISTA Address*: DELTA DIABLO PITTSBURG PUMP ST
007TH MONTEZUMA
PITTSBURG, CA 94565

VISTA ID#: 4034176 | Distance/Direction: 0.78 MI / E | Plotted as: Point

Map ID 9

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address: SAME AS ABOVE

Underground Tanks: 1

Aboveground Tanks: NOT REPORTED

Tanks Removed: NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	OTHER DESCRIPTIONS
Tank Size (Units):	550 (GALLONS)	Tank Material:	BARE STEEL

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

				Map ID
VISTA Address*:	JOSE'S SERVICE STATION 394 W 10TH ST. PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	930678 0.80 MI / E Point	10

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 — Agency ID: 53291

Agency Address:	JOSE'S SERVICE STATION 394 W 10TH ST. PITTSBURG, CA
Tank Status:	NOT AVAILABLE
Media Affected:	GROUNDWATER
Substance:	UNLEADED GAS
Leak Cause:	UNAVAILABLE
Remedial Action:	EXCAVATE TREAT
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# 2932 — Agency ID: 07-0165

Agency Address:	JOSE'S SERVICE STATION 394 10TH ST W PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Discovery Date:	APRIL 28, 1987
Media Affected:	GROUNDWATER
Substance:	UNLEADED GAS
Leak Cause:	UNKNOWN
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY
Remedial Action:	EXCAVATE TREAT
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

				Map ID
VISTA Address*:	JOSE'S SERVICE STATION 394 10 ST W. PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	5359788 0.80 MI / E Point	10

CORTESE / SRC# 2298 — EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
List Name:	LEAKING TANK
Site ID:	INV-ID07-000243

				Map ID
VISTA Address*:	JOSE'S SERVICE STATION 394 W 010TH PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	4015584 0.80 MI / E Point	10

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
Underground Tanks:	4
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	CLOSED
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	200 (GALLONS)	Tank Material:	UNKNOWN

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

Tank ID:	2U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	3U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	4U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	8000 (GALLONS)	Tank Material:	UNKNOWN

Map ID **11**

VISTA Address*: CROWN PAINTS VACANT LOT
555 FRONT ST
PITTSBURG, CA 94565

VISTA ID#:	107306
Distance/Direction:	0.82 MI / E
Plotted as:	Point
EPA ID:	CAD087231171

CERCLIS / SRC# 2739

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:	Completion Date:
DISCOVERY	EPA FUND-FINANCED	UNKNOWN	NOT REPORTED	DECEMBER 1, 1979
PRELIMINARY ASSESSMENT	EPA FUND-FINANCED	NO FURTER REMEDIAL ACTION PLANNED	NOT REPORTED	SEPTEMBER 1, 1982

Regional CERCLIS / SRC# 2462 — EPA ID: CAD087231171
Agency Address: SAME AS ABOVE
Regional Utility Description: OTHER PAINTS, PIGMENTS

Regional CERCLIS / SRC# 2462 — EPA ID: CAD087231171
Agency Address: SAME AS ABOVE
Regional Utility Description: OTHER- MIDNIGHT DUMPING

Regional CERCLIS / SRC# 2462 — EPA ID: CAD087231171
Agency Address: SAME AS ABOVE
Regional Utility Description: CURRENT DISPOSITION

Regional CERCLIS / SRC# 2462 — EPA ID: CAD087231171
Agency Address: SAME AS ABOVE
Regional Utility Description: WASTE REMOVED

Regional CERCLIS / SRC# 2462 — EPA ID: CAD087231171
Agency Address: SAME AS ABOVE
Regional Utility Description: UNDERGROUND TANK - HAZARDOUS WASTES

Regional CERCLIS / SRC# 2462 — EPA ID: CAD087231171
Agency Address: SAME AS ABOVE
Regional Utility Description: CONTRA COSTA STUDY

VISTA Address*: PITTSBURG MARINA EXPANSION PHASE III
MONTEZUMA CODY
PITTSBURG, CA 94565

VISTA ID#: 1592393
Distance/Direction: 0.91 MI / E
Plotted as: Point
Map ID 11

SCL - State Equivalent CERCLIS List / SRC# 2825
Agency ID: 07150006

Agency Address:	SAME AS ABOVE
Facility Type:	NOT AVAILABLE
Lead Agency:	NOT AVAILABLE
State Status:	REFERRED TO ANOTHER AGENCY
Pollutant 1:	UNKNOWN
Pollutant 2:	UNKNOWN
Pollutant 3:	UNKNOWN
Fields Not Reported:	Status

VISTA Address*: DELTA DIABLO
FRONTAGE RD NR DOVERWAY
PITTSBURG, CA 94565

VISTA ID#: 200067626
Distance/Direction: 1.00 MI / S
Plotted as: Point
Map ID 13

ERNS - Emergency Response Notification System / SRC# 2885
Agency ID: 92-1618

Agency Address:	DELTA DIABLO FRONTAGE RD NR DOVERWAY PITTSBURG CA
Spill Date Time:	DECEMBER 28 1991 01.30.00 PM
Case Number:	92-1618
Spill Location:	FRONTAGE RD NR DOVERWAY
Source Agency:	E
Discharger Org:	DELTA DIABLO
Material Spilled:	SEWAGE 20000.00 (GAL)
Waterway Affected:	STORM DRAIN
Fields Not Reported:	Discharger Name Discharger Phone

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	YES	NO	NO	NO	NO

VISTA Address*: DOW CHEMICAL
SYMTET PLANT
PITTSBURG, CA 94565

VISTA ID#: 200071589
Distance/Direction: 1.00 MI / S
Plotted as: Point
Map ID 13

ERNS - Emergency Response Notification System / SRC# 2885
Agency ID: 17336

Agency Address:	DOW CHEMICAL SYMTET PLANT PITTSBURG CA
Spill Date Time:	APRIL 15 1990 11:00:00 PM
Case Number:	17336
Spill Location:	SYMTET PLANT
Source Agency:	N
Discharger Name:	ZIMMERMAN MARSHALL
Discharger Org:	DOW CHEMICAL
Material Spilled:	CARBON TETRACHLORIDE, 0.00 (UNK)
Material Spilled:	HYDROCHLORIC ACID, 0.00 (UNK)
Waterway Affected:	AIR
Fields Not Reported:	Discharger Phone

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
YES	NO	NO	NO	NO	NO

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

VISTA Address*:	VISTA ID#:	4824539	Map ID
CITY OF PITTSBURG NWFRONTAGE DOVER PITTSBURG, CA 94565	Distance/Direction:	1.00 MI / S	13
	Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
Underground Tanks:	1
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	BARE STEEL
Tank Size (Units):	350 (GALLONS)	Tank Material:	UNKNOWN

VISTA Address*:	VISTA ID#:	5360056	Map ID
TRIANGLE PWC. INC 1666 WILLOW PASS RD PITTSBURG, CA 94565	Distance/Direction:	1.04 MI / SW	14A
	Plotted as:	Point	

CORTESE / SRC# 2298 — EPA/Agency ID: N/A

Agency Address:	TRIANGLE PWC. INC 1666 WILLOW PASS RD PITTSBURG, CA
List Name:	LEAKING TANK
Site ID:	INV-ID07-000412

VISTA Address*:	VISTA ID#:	430141	Map ID
TRIANGLE PWC 1666 WILLOW PASS ROAD PITTSBURG, CA 94565	Distance/Direction:	1.04 MI / SW	14A
	Plotted as:	Point	

SCL - State Equivalent CERCLIS List / SRC# 2825 — Agency ID: 07340001

Agency Address:	SAME AS ABOVE
Status:	NON-NPL SITE
Facility Type:	NOT AVAILABLE
Lead Agency:	DEPT OF TOXIC SUBSTANCES CONTROL
State Status:	CERTIFIED
Pollutant 1:	ORGANIC LIQUIDS WITH METALS
Pollutant 2:	METAL DUST MACHINING WASTE
Pollutant 3:	UNSPECIFIED ACID SOLUTION

RCRA-LgGen - RCRA-Large Generator / SRC# 2909 — EPA ID: CAD002560779

Agency Address:	TRIANGLE PWC. INC. 1666 WILLOW PASS ROAD PITTSBURG, CA 94565
Generator Class:	GENERATORS WHO GENERATE AT LEAST 1000 KG./MONTH OF NON-ACUTELY HAZARDOUS WASTE OR 1 KG./MONTH OF ACUTELY HAZARDOUS WASTE

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 — Agency ID: 18060

Agency Address:	TRIANGLE PWC INC 1666 WILLOW PASS RD PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	UNLEADED GAS
Leak Cause:	UNAVAILABLE
Remedial Action:	EXCAVATE DISPOSE
Remedial Status 1:	REM ACTION PLAN
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932 | Agency ID: 07-0332

Agency Address:	TRIANGLE PWC, INC 1666 WILLOW PASS RD PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Discovery Date:	AUGUST 6, 1986
Media Affected:	SOIL/SAND/LAND
Substance:	UNLEADED GAS
Leak Cause:	CORROSION
Leak Source:	UNDERGROUND TANK
Remedial Action:	EXCAVATE, DISPOSE
Remedial Status 1:	REM ACTION PLAN
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

STATE UST - State Underground Storage Tank / SRC# 1612 | EPA/Agency ID: N/A

Agency Address:	TRIANGLE PWC, INC 1666 WILLOW PASS PITTSBURG, CA 94565
Underground Tanks:	1
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	CLOSED/REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	1000 (GALLONS)	Tank Material:	UNKNOWN

Map ID **14B**

VISTA Address*: CHEAPER! #95
1805 WILLOW PASS
PITTSBURG, CA 94565

VISTA ID#:	4047002
Distance/Direction:	1.12 MI / SW
Plotted as:	Point

STATE UST - State Underground Storage Tank / SRC# 1612 | EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
Underground Tanks:	7
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	12000 (GALLONS)	Tank Material:	STEEL
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	12000 (GALLONS)	Tank Material:	STEEL
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	12000 (GALLONS)	Tank Material:	STEEL
Tank ID:	4U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	8000 (GALLONS)	Tank Material:	STEEL

Tank ID:	5U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	OIL(NOT SPECIFIED)	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	OTHER DESCRIPTIONS
Tank Size (Units):	520 (GALLONS)	Tank Material:	STEEL
Tank ID:	6U	Tank Status:	CLOSED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	7U	Tank Status:	CLOSED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	UNKNOWN

VISTA Address*:	SANTA FE PITTSBURG DEPOT 1 SANTA FE AVE W PITTSBURG, CA 94565	VISTA ID#:	4989506
		Distance/Direction:	1.09 MI / SE
		Plotted as:	Point

Map ID 15

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733		Agency ID:	70909
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Media Affected:	SOIL/SAND/LAND		
Substance:	DIESEL		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NO ACTION TAKEN		
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# 2932		Agency ID:	07-0470
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Discovery Date:	MAY 7 1989		
Media Affected:	SOIL/SAND/LAND		
Substance:	DIESEL		
Leak Cause:	UNKNOWN		
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY		
Remedial Action:	NO ACTION TAKEN		
Remedial Status 1:	LEAK BEING CONFIRMED		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		

VISTA Address*:	SANTA FE PITTSBURG DEPOT 1 SANTA FE AVE W. PITTSBURG, CA 94565	VISTA ID#:	5358214
		Distance/Direction:	1.09 MI / SE
		Plotted as:	Point

Map ID 15

CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
List Name:	LEAKING TANK		
Site ID:	INV-ID07-003112		

PROPERTY AND THE ADJACENT AREA (within 1 1/8 mile) CONT.

VISTA Address*:	CITY OF PITTSBURG 51 MARINA PITTSBURG, CA 94565	VISTA ID#:	4046979	Map ID
		Distance/Direction:	1.11 MI / E	16
		Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
Underground Tanks:	4
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	350 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	350 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	350 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	4U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	350 (GALLONS)	Tank Material:	UNKNOWN

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	CITY OF PITTSBURG SERANGE WILLOW PASS PITTSBURG, CA 94565
Underground Tanks:	1
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	BARE STEEL
Tank Size (Units):	350 (GALLONS)	Tank Material:	UNKNOWN

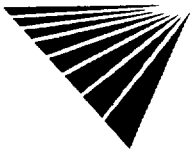
SITES IN THE SURROUNDING AREA (within 1 1/8 - 1 1/4 mile)

VISTA Address*:	SIGNODE CORP NO 1 LESLIE DRIVE PITTSBURG, CA 94565	VISTA ID#:	381444	Map ID
		Distance/Direction:	1.13 MI / SE	17A
		Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	SIGNODE SUPPLY CORP 1 LESLIE PITTSBURG, CA 94565
Underground Tanks:	1
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	550 (GALLONS)	Tank Material:	UNKNOWN



* VISTA address includes enhanced city and ZIP.
For more information call VISTA Information Solutions, Inc. at **1 - 800 - 767 - 0403.**
Report ID: **105578-001**
Version 2 4 1
Date of Report: **May 24, 1996**

SITES IN THE SURROUNDING AREA (within 1 1/8 - 1 1/4 mile) CONT.

TRIS - Toxic Release Inventory System / SRC# 2587 | EPA ID: CAD009144544

Agency Address: *SIGNODE WESTERN OPS*
#1 LESLIE DR
PITTSBURG, CA 94565

Chemical Abstract Service Registry: *LEAD*

Quantity Released: *96510.00 (POUNDS)*

Map ID **17A**

VISTA Address*: **PITTSBURG ST DEVELOPMENT #3**
1300 RAILROAD AVE
PITTSBURG, CA 94565

VISTA ID#: 5357041
Distance/Direction: 1.21 MI / SE
Plotted as: Point

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 | Agency ID: 70728

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: *PRELIMINARY ASSESSMENT*
Remedial Status 2: *NOT AVAILABLE*
Fields Not Reported: *Discovery Date. Quantity (Units). Leak Source*

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932 | Agency ID: 07-0477

Agency Address: *SAME AS ABOVE*
Tank Status: *NOT AVAILABLE*
Discovery Date: *JULY 14 1986*
Media Affected: *SOIL/SAND/LAND*
Substance: *GASOLINE (UNSPECIFIED)*
Leak Cause: *UNKNOWN*
Leak Source: *REPORTED AS "UNKNOWN" BY AGENCY*
Remedial Action: *NOT AVAILABLE*
Remedial Status 1: *PRELIMINARY ASSESSMENT*
Remedial Status 2: *NOT AVAILABLE*
Fields Not Reported: *Quantity (Units)*

CORTESE / SRC# 2298 | EPA/Agency ID: N/A

Agency Address: *SAME AS ABOVE*
List Name: *LEAKING TANK*
Site ID: *INV-ID07-003143*

Map ID **17B**

VISTA Address*: **SLY'S AUTO REPAIR**
1419 RAILROAD
PITTSBURG, CA 94565

VISTA ID#: 4039578
Distance/Direction: 1.24 MI / SE
Plotted as: Point

STATE UST - State Underground Storage Tank / SRC# 1612 | EPA/Agency ID: N/A

Agency Address: *SAME AS ABOVE*
Underground Tanks: *NOT REPORTED*
Aboveground Tanks: *NOT REPORTED*
Tanks Removed: *NOT REPORTED*

Tank ID:	*1U*	Tank Status:	*NOT AVAILABLE*
Tank Contents:	*NOT REPORTED*	Leak Monitoring:	*UNKNOWN*
Tank Age:	*NOT REPORTED*	Tank Piping:	*NOT AVAILABLE*
Tank Size (Units):	*NOT REPORTED (NOT AVAILABLE)*	Tank Material:	*NOT AVAILABLE*

VISTA Address*:	ALL STAR GAS 998 RAILROAD PITTSBURG, CA 94565	VISTA ID#:	4039572	Map ID
		Distance/Direction:	1.13 MI / E	18A
		Plotted as:	Point	

STATE UST - State Underground Storage Tank / SRC# 1612 — EPA/Agency ID: N/A

Agency Address:	SAME AS ABOVE
Underground Tanks:	3
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	6000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	UNKNOWN
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	UNKNOWN

VISTA Address*:	BELL GAS 998 RAILROAD AVE PITTSBURG, CA 94565	VISTA ID#:	5357037	Map ID
		Distance/Direction:	1.13 MI / E	18A
		Plotted as:	Point	

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 — Agency ID: 70107

Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	EXCAVATE TREAT
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# 2932 — Agency ID: 07-0588

Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Discovery Date:	JANUARY 20, 1987
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNKNOWN
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY
Remedial Action:	EXCAVATE TREAT
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

SITES IN THE SURROUNDING AREA (within 1 1/8 - 1 1/4 mile) CONT.

				Map ID
VISTA Address*:	REDDING PETROLEUM INC 1001 RAILROAD PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	4039573 1.14 MI / E Point	18A

STATE UST - State Underground Storage Tank / SRC# 1612		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
Underground Tanks:	4		
Aboveground Tanks:	NOT REPORTED		
Tanks Removed:	NOT REPORTED		
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	OTHER DESCRIPTIONS
Tank Size (Units):	10000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	OTHER DESCRIPTIONS
Tank Size (Units):	8000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	4U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	OTHER DESCRIPTIONS
Tank Size (Units):	8000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	5U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	PETROLEUM	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	BARE STEEL
Tank Size (Units):	2000 (GALLONS)	Tank Material:	BARE STEEL

				Map ID
VISTA Address*:	CITY OF PITTSBURG ST REDEVL #1 1095 RAILROAD AVE PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	5357039 1.15 MI / E Point	18A

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733		Agency ID:	70726
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NO ACTION TAKEN		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932		Agency ID:	07-0093
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Discovery Date:	JULY 14, 1986		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNKNOWN		
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY		
Remedial Action:	NO ACTION TAKEN		
Remedial Status 1:	PRELIMINARY ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		

SITES IN THE SURROUNDING AREA (within 1 1/8 - 1 1/4 mile) CONT.

CORTESE / SRC# 2298 | EPA/Agency ID: N/A

Agency Address: CITY OF PITTSBURG ST REDEVL #1
1095 RAILROAD AVE
PITTSBURG, CA
List Name: LEAKING TANK
Site ID: INV-ID07-000170

VISTA Address*: RAILROAD AVENUE ICE HOUSE
1098 CUMBERLAND RD
PITTSBURG, CA 94565

VISTA ID#: 5353239 | Distance/Direction: 1.20 MI / E | Plotted as: Point | Map ID 18B

CORTESE / SRC# 2298 | EPA/Agency ID: N/A

Agency Address: SAME AS ABOVE
List Name: LEAKING TANK
Site ID: INV-ID07-003113

VISTA Address*: RIVERVIEW FIRE STATION #84
200 E 006TH
PITTSBURG, CA 94565

VISTA ID#: 4015322 | Distance/Direction: 1.18 MI / E | Plotted as: Point | Map ID 19

STATE UST - State Underground Storage Tank / SRC# 1612 | EPA/Agency ID: N/A

Agency Address: SAME AS ABOVE
Underground Tanks: 2
Aboveground Tanks: NOT REPORTED
Tanks Removed: NOT REPORTED

Tank ID:	1U	**Tank Status:**	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	**Leak Monitoring:**	UNKNOWN
Tank Age:	NOT REPORTED	**Tank Piping:**	UNKNOWN
Tank Size (Units):	500 (GALLONS)	**Tank Material:**	UNKNOWN
Tank ID:	2U	**Tank Status:**	ACTIVE/IN SERVICE
Tank Contents:	DIESEL	**Leak Monitoring:**	UNKNOWN
Tank Age:	NOT REPORTED	**Tank Piping:**	UNKNOWN
Tank Size (Units):	1000 (GALLONS)	**Tank Material:**	UNKNOWN

VISTA Address*: FOOD LIQUOR
1895 WILLOW PASS RD.
PITTSBURG, CA 94565

VISTA ID#: 930681 | Distance/Direction: 1.22 MI / W | Plotted as: Point | Map ID 20

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 | EPA/Agency ID: N/A

Agency Address: FOOD LIQUOR
1895 WILLOW PASS RD.
PITTSBURG, CA
Tank Status: NOT AVAILABLE
Media Affected: SOIL/SAND/LAND
Substance: OTHER AUTO FUELS,OILS,FLUIDS
Leak Cause: UNAVAILABLE
Remedial Action: NO ACTION TAKEN
Remedial Status 1: NO ACTION TAKEN BY RESPONSIBLE PARTY
Remedial Status 2: NOT AVAILABLE
Fields Not Reported: Discovery Date, Quantity (Units), Leak Source

SITES IN THE SURROUNDING AREA (within 1 1/8 - 1 1/4 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932 | Agency ID: 07-0142

Agency Address:	FOOD LIQUOR 1895 WILLOW PASS RD PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Discovery Date:	MAY 18, 1987
Media Affected:	SOIL/SAND/LAND
Substance:	OTHER AUTO FUELS,OILS,FLUIDS
Leak Cause:	STRUCTURAL FAILURE
Leak Source:	UNDERGROUND TANK
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	NO ACTION TAKEN BY RESPONSIBLE PARTY
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

Map ID **20**

VISTA Address*: FOOD LL LIQUOR, 1895 WILLOW PASS RD, PITTSBURG, CA 94565

VISTA ID#: 5360057
Distance/Direction: 1.22 MI / W
Plotted as: Point

CORTESE / SRC# 2298 | EPA/Agency ID: N/A

Agency Address:	FOOD LL LIQUOR 1895 WILLOW PASS RD PITTSBURG, CA
List Name:	LEAKING TANK
Site ID:	INV-ID07-000220

SITES IN THE SURROUNDING AREA (within 1 1/4 - 1 1/2 mile)

Map ID **21**

VISTA Address*: CATALINE BUILT HOMES, INC., 1050 LOS MEDANOS STREET, PITTSBURG, CA 94565

VISTA ID#: 3198475
Distance/Direction: 1.27 MI / E
Plotted as: Point

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 | Agency ID: 12590

Agency Address:	SAME AS ABOVE
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	NO ACTION TAKEN
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# 2932 | Agency ID: 07-0516

Agency Address:	CATALINE BUILT HOMES INC 1050 LOS MEDANOS ST PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Discovery Date:	NOVEMBER 18, 1986
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	STRUCTURAL FAILURE
Leak Source:	UNDERGROUND TANK
Remedial Action:	NO ACTION TAKEN
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

CORTESE / SRC# 2298 | EPA/Agency ID: N/A

Agency Address:	CATALINE BUILT HOMES INC 1050 LOS MEDANOS ST PITTSBURG CA 94565
List Name:	LEAKING TANK
Site ID:	INV-ID07-000697

Map ID 22

VISTA Address*: CAL ASIA DEVELOPMENT
391 E 3RD ST
PITTSBURG, CA 94565

VISTA ID#: 930664
Distance/Direction: 1.32 MI / E
Plotted as: Point

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 | Agency ID: 70034

Agency Address:	CAL ASIA DEVELOPMENT 391 E 3RD ST PITTSBURG CA
Tank Status:	NOT AVAILABLE
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNAVAILABLE
Remedial Action:	EXCAVATE TREAT
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# 2932 | Agency ID: 07-0046

Agency Address:	CAL ASIA DEVELOPMENT 391 3RD ST E PITTSBURG, CA 94565
Tank Status:	NOT AVAILABLE
Discovery Date:	OCTOBER 13, 1987
Media Affected:	SOIL/SAND/LAND
Substance:	GASOLINE (UNSPECIFIED)
Leak Cause:	UNKNOWN
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY
Remedial Action:	EXCAVATE TREAT
Remedial Status 1:	LEAK BEING CONFIRMED
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Quantity (Units)

CORTESE / SRC# 2298 | EPA/Agency ID: N/A

Agency Address: CAL ASIA DEVELOPMENT
391 3RD ST E
PITTSBURG, CA
LEAKING TANK

List Name:
Site ID: INV-ID07-000122

Map ID 23

VISTA Address*: PEPSI COLA BOTTLING CO.
338 CENTRAL AVE
PITTSBURG, CA 94565

VISTA ID#: 930663
Distance/Direction: 1.32 MI / SE
Plotted as: Point

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 | Agency ID: 11008

Agency Address: PEPSI COLA BOTTLING CO
338 CENTRAL AVE
PITTSBURG, CA

Tank Status: NOT AVAILABLE
Media Affected: SOIL/SAND/LAND
Substance: OTHER AUTO FUELS OILS.FLUIDS
Leak Cause: UNAVAILABLE
Remedial Action: NO ACTION TAKEN
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# 2932 | Agency ID: 07-0233

Agency Address: SAME AS ABOVE
Tank Status: NOT AVAILABLE
Discovery Date: MAY 12, 1986
Media Affected: SOIL/SAND/LAND
Substance: OTHER AUTO FUELS OILS.FLUIDS
Leak Cause: STRUCTURAL FAILURE
Leak Source: UNDERGROUND TANK
Remedial Action: NO ACTION TAKEN
Remedial Status 1: LEAK BEING CONFIRMED
Remedial Status 2: NOT AVAILABLE
Fields Not Reported: Quantity (Units)

Map ID 24

VISTA Address*: UNOCAL
2150 RAILROAD AVE
PITTSBURG, CA 94565

VISTA ID#: 5357045
Distance/Direction: 1.37 MI / SE
Plotted as: Point

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733 | Agency ID: 30533

Agency Address: UNOCAL
2150 RAILROAD AVE
PITTSBURG, CA

Tank Status: NOT AVAILABLE
Media Affected: SOIL/SAND/LAND
Substance: UNLEADED GAS
Leak Cause: UNAVAILABLE
Remedial Action: EXCAVATE DISPOSE
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 1/4 - 1 1/2 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932		Agency ID:	07-0349
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Discovery Date:	JULY 12, 1988		
Media Affected:	SOIL/SAND/LAND		
Substance:	UNLEADED GAS		
Leak Cause:	UNKNOWN		
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY		
Remedial Action:	EXCAVATE DISPOSE		
Remedial Status 1:	LEAK BEING CONFIRMED		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		
CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	UNOCAL 2150 RAILROAD AVE PITTSBURG, CA		
List Name:	LEAKING TANK		
Site ID:	INV-ID07-000441		

VISTA Address*	CHEVRON 427 10TH E. PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	5350073 1.43 MI / E Point	Map ID 25
CORTESE / SRC# 2298		EPA/Agency ID:	N/A	
Agency Address:	SAME AS ABOVE			
List Name:	LEAKING TANK			
Site ID:	INV-ID07-001975			

VISTA Address*	FAUTLESS CLEANERS 427 E 10TH ST PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	149472 1.43 MI / E Point	Map ID 25
STATE LUST - State Leaking Underground Storage Tank / SRC# 2733		Agency ID:	70881	
Agency Address:	FAUTLESS CLEANERS 427 E 10TH ST PITTSBURG, CA 94001			
Tank Status:	NOT AVAILABLE			
Media Affected:	GROUNDWATER			
Substance:	GASOLINE (UNSPECIFIED)			
Leak Cause:	UNAVAILABLE			
Remedial Action:	NO ACTION TAKEN			
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 1/4 - 1 1/2 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932		Agency ID:	07-0574
Agency Address:	FAULTLESS CLEANERS 427 10TH ST E PITTSBURG, CA 94565		
Tank Status:	NOT AVAILABLE		
Discovery Date:	JULY 30, 1993		
Media Affected:	GROUNDWATER		
Substance:	GASOLINE (UNSPECIFIED)		
Leak Cause:	UNKNOWN		
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY		
Remedial Action:	NO ACTION TAKEN		
Remedial Status 1:	LEAK BEING CONFIRMED		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		

VISTA Address*:	PITTSBURG PLUMBING 441 10TH ST E PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	4983627 1.44 MI / E Point	Map ID 25
STATE LUST - State Leaking Underground Storage Tank / SRC# 2733		Agency ID:	71224	
Agency Address:	SAME AS ABOVE			
Tank Status:	NOT AVAILABLE			
Media Affected:	SOIL/SAND/LAND			
Substance:	WASTE OIL			
Leak Cause:	UNAVAILABLE			
Remedial Action:	EXCAVATE TREAT			
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# 2932		Agency ID:	07-0478	
Agency Address:	SAME AS ABOVE			
Tank Status:	NOT AVAILABLE			
Discovery Date:	JULY 9 1991			
Media Affected:	SOIL/SAND/LAND			
Substance:	WASTE OIL			
Leak Cause:	UNKNOWN			
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY			
Remedial Action:	EXCAVATE TREAT			
Remedial Status 1:	LEAK BEING CONFIRMED			
Remedial Status 2:	NOT AVAILABLE			
Fields Not Reported:	Quantity (Units)			
CORTESE / SRC# 2298		EPA/Agency ID:	N/A	
Agency Address:	PITTSBURG PLUMBING 441 10TH ST E PITTSBURG, CA 94565			
List Name:	LEAKING TANK			
Site ID:	INV-ID07-003115			

VISTA Address*:	CHEVRON USA, STATION #0-091619 11 FRONTAGE PITTSBURG, CA 94565	VISTA ID#:	1150133	Map ID
		Distance/Direction:	1.49 MI / SE	26
		Plotted as:	Point	

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733		Agency ID:	62095
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Media Affected:	GROUNDWATER		
Substance:	UNLEADED GAS		
Leak Cause:	UNAVAILABLE		
Remedial Action:	PUMP TREAT (GW)		
Remedial Status 1:	CONTAMINATION ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source		

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932		Agency ID:	07-0064
Agency Address:	CHEVRON 11 FRONTAGE RD PITTSBURG, CA 94565		
Tank Status:	NOT AVAILABLE		
Discovery Date:	MAY 10, 1989		
Media Affected:	GROUNDWATER		
Substance:	UNLEADED GAS		
Leak Cause:	UNKNOWN		
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY		
Remedial Action:	PUMP TREAT (GW)		
Remedial Status 1:	CONTAMINATION ASSESSMENT		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		

CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	CHEVRON 11 FRONTAGE RD PITTSBURG, CA 94565		
List Name:	LEAKING TANK		
Site ID:	INV-ID07-000139		

VISTA Address*:	PITTSBURG FORD 2575 RAILROAD AVE PITTSBURG, CA 94565	VISTA ID#:	331890	Map ID
		Distance/Direction:	1.49 MI / SE	26
		Plotted as:	Point	

STATE LUST - State Leaking Underground Storage Tank / SRC# 2733		Agency ID:	18551
Agency Address:	SAME AS ABOVE		
Tank Status:	NOT AVAILABLE		
Media Affected:	SOIL/SAND/LAND		
Substance:	UNLEADED GAS		
Leak Cause:	UNAVAILABLE		
Remedial Action:	NO ACTION TAKEN		
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 1/4 - 1 1/2 mile) CONT.

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932		Agency ID:	07-0240
Agency Address:	PITTSBURG FORD INC 2575 RAILROAD AVE PITTSBURG, CA 94565		
Tank Status:	NOT AVAILABLE		
Discovery Date:	FEBRUARY 19, 1991		
Media Affected:	SOIL/SAND/LAND		
Substance:	UNLEADED GAS		
Leak Cause:	UNKNOWN		
Leak Source:	REPORTED AS "UNKNOWN" BY AGENCY		
Remedial Action:	NO ACTION TAKEN		
Remedial Status 1:	LEAK BEING CONFIRMED		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		

VISTA Address*:	MANVILLE ASBESTOS-PITTSBURG EAST 3RD STREET PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	220166 1.50 MI / E Point	Map ID 27
SCL - State Equivalent CERCLIS List / SRC# 2825		Agency ID:	07390022	
Agency Address:	SAME AS ABOVE			
Facility Type:	NOT AVAILABLE			
Lead Agency:	NOT AVAILABLE			
State Status:	REFERRED TO ANOTHER AGENCY			
Pollutant 1:	ASBESTOS CONTAINING WASTE			
Pollutant 2:	UNKNOWN			
Pollutant 3:	UNKNOWN			
Fields Not Reported:	Status			
STATE LUST - State Leaking Underground Storage Tank / SRC# 2733		Agency ID:	21540	
Agency Address:	SAME AS ABOVE			
Tank Status:	NOT AVAILABLE			
Media Affected:	GROUNDWATER			
Substance:	DIESEL			
Leak Cause:	UNAVAILABLE			
Remedial Action:	NO ACTION TAKEN			
Remedial Status 1:	CONTAMINATION ASSESSMENT			
Remedial Status 2:	NOT AVAILABLE			
Fields Not Reported:	Discovery Date, Quantity (Units), Leak Source			
Regional LUST - Regional Leaking Underground Storage Tank / SRC# 2932		Agency ID:	07-0181	
Agency Address:	MANVILLE 3RD HARBOR E PITTSBURG, CA 94565			
Tank Status:	NOT AVAILABLE			
Discovery Date:	APRIL 28, 1986			
Media Affected:	GROUNDWATER			
Substance:	DIESEL			
Leak Cause:	CORROSION			
Leak Source:	UNDERGROUND TANK			
Remedial Action:	NO ACTION TAKEN			
Remedial Status 1:	CONTAMINATION ASSESSMENT			
Remedial Status 2:	NOT AVAILABLE			
Fields Not Reported:	Quantity (Units)			

SITES IN THE SURROUNDING AREA (within 1 1/4 - 1 1/2 mile) CONT.

CORTESE / SRC# 2298 EPA/Agency ID: N/A

Agency Address: *MANVILLE*
3RD HARBOR E.
PITTSBURG, CA 94565

List Name: *LEAKING TANK*

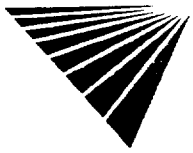
Site ID: *INV-ID07-000261*

SITES IN THE SURROUNDING AREA (within 1 1/2 - 2 miles)

No Records Found

UNMAPPED SITES

No Records Found



SITE ASSESSMENT PLUS REPORT (EXTENDED BY 1 MILE)

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 2 MILES

NPL
SRC#: 2640

VISTA conducts a database search to identify all sites within 2. mile of your property.
The agency release date for NPL was September, 1995.

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 2. 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#: 2909

VISTA conducts a database search to identify all sites within 2. mile of your property.
The agency release date for RCRA Corrective Action Sites List was February, 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#: 2909

VISTA conducts a database search to identify all sites within 2. mile of your property.
The agency release date for RCRIS was February, 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 1 1/2 MILES

CERCLIS
SRC#: 2738

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for CERCLIS was December, 1995.

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 activiies or events at the site, financial funding information for the events, and unrestricted enforcement activities.

NFRAP
SRC#: 2739

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for CERCLIS-NFRAP was December, 1995.

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 1.5 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 1.5 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 1.5 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 1.5 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, and Closure Information.

LUST
SRC#: 2733

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for Lust Information System (LUSTIS) was December, 1995

This database is provided by the California Environmental Protection Agency.

LUST RG5
SRC#: 2520

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for Region #5-Central Valley Undergound Tank Tracking System was July, 1995.

This database is provided by the Regional Water Quality Control Board, Region #5.

LUST RG2
SRC#: 2932

VISTA conducts a database search to identify all sites within 1.5 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.

CORTESE
SRC#: 2298

VISTA conducts a database search to identify all sites within 1.5 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 1.5 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 1.5 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 1.5 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 1.5 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 1/4 MILES

RCRA-Viols/En SRC#: 2909

VISTA conducts a database search to identify all sites within 1.25 mile of your property. **The agency release date for RCRIS was February, 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 1.25 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 1.25 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.

TRIS SRC#: 2587

VISTA conducts a database search to identify all sites within 1.25 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 1 1/8 MILES

ERNS
SRC#: 2885

VISTA conducts a database search to identify all sites within 1.125 mile of your property.
The agency release date for ERNS was June, 1995.

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#: 2909

VISTA conducts a database search to identify all sites within 1.125 mile of your property.
The agency release date for RCRIS was February, 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#: 2909

VISTA conducts a database search to identify all sites within 1.125 mile of your property.
The agency release date for RCRIS was February, 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

SITE ASSESSMENT PLUS REPORT
(EXTENDED BY 1/2 MILE)

PROPERTY INFORMATION	CLIENT INFORMATION
Project Name/Ref #: Not Provided PACIFIC GAS ELECTRIC PITTS PLANT 696 WEST 10TH ST PITTSBURGH, CA 94565 Latitude/Longitude: (38.038072, 121.954861)	CAMP DRESSER MCKEE 100 PRINGLE AVE STE 300 WALNUT CREEK, CA 94596

Site Distribution Summary

Agency / Database - Type of Records			within 5/8 mile	5/8 to 3/4 mile	3/4 to 1 mile	1 to 1 1/2 miles
A) Databases searched to 1 1/2 miles:						
US EPA	NPL	National Priority List	0	0	0	0
US EPA	CORRACTS (TSD)	RCRA Corrective Actions and associated TSD	1	0	1	0
STATE	SPL	State equivalent priority list	0	0	0	0
B) Databases searched to 1 mile:						
US EPA	CERCLIS / NFRAP	Sites currently or formerly under review by US EPA	2	0	3	-
US EPA	TSD	RCRA permitted treatment, storage, disposal facilities	0	0	-	-
STATE	SCL	State equivalent CERCLIS list	1	0	2	-
STATE REG CO	LUST	Leaking Underground Storage Tanks	1	2	4	-
STATE/ REG/CO	SWLF	Permitted as solid waste landfills, incinerators, or transfer stations	0	0	0	-
STATE	DEED RSTR	Sites with deed restrictions	0	0	0	-
REGIONAL	NORTH BAY	Sites on North Bay Toxic List	1	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 3/4 mile:						
US EPA	RCRA Viol	RCRA violations/enforcement actions	1	0	-	-
US EPA	TRIS	Toxic Release Inventory database	1	0	-	-
STATE	UST/AST	Registered underground or aboveground storage tanks	3	0	-	-

Site Distribution Summary

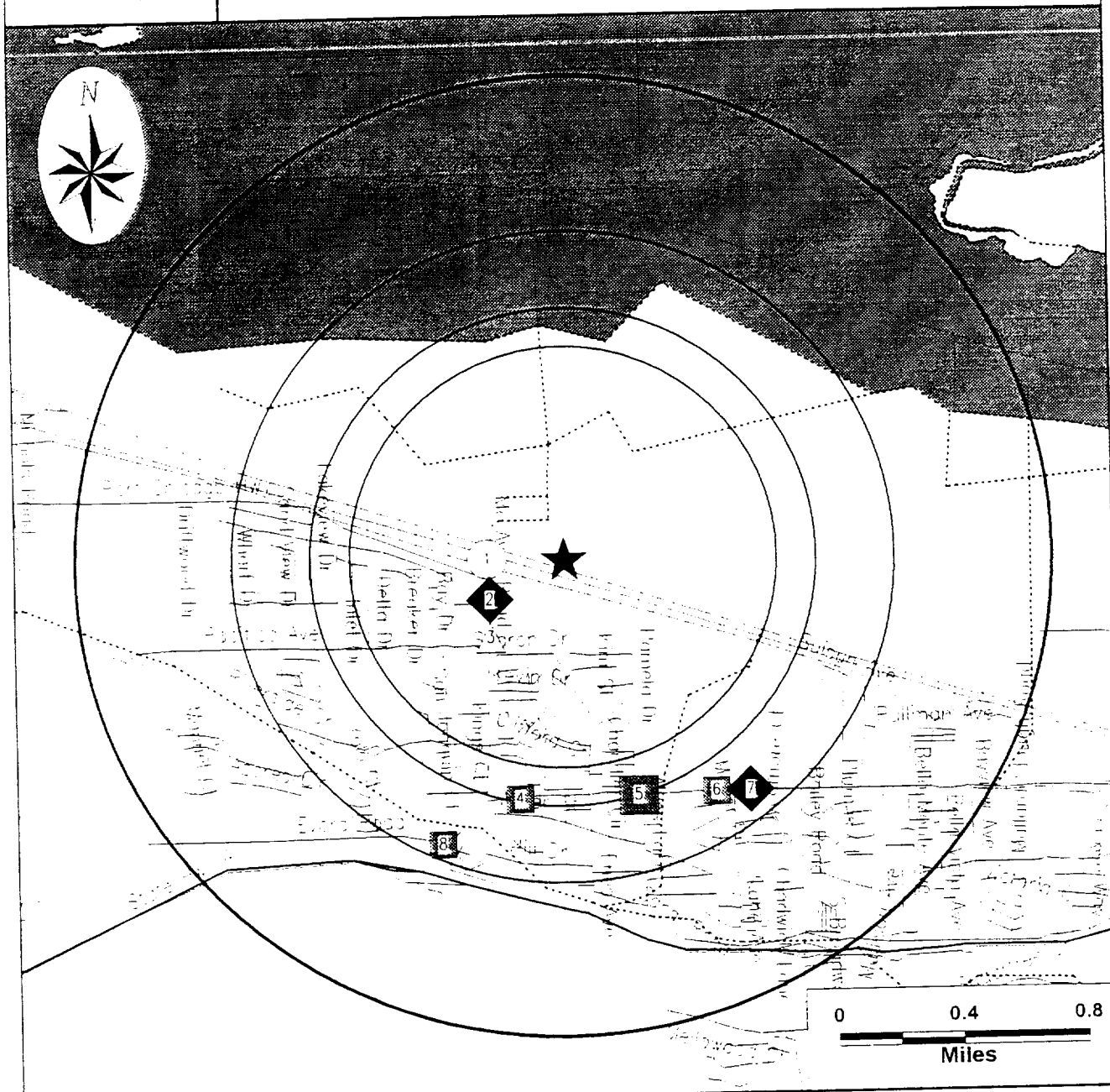
Agency / Database - Type of Records			within 5/8 mile	5/8 to 3/4 mile	3/4 to 1 mile	1 to 1 1/2 miles
D) Databases searched to 5/8 mile:						
US EPA	ERNS	Emergency Response Notification System of spills	1	-	-	-
US EPA	GNRTR	RCRA registered small or large generators of hazardous waste	2	-	-	-

This report meets the ASTM standard E-1527 for standard federal and state government database research in a Phase I environmental site assessment. A (-) indicates a distance not searched because it exceeds these ASTM search parameters.

NOTES

SITE ASSESSMENT PLUS REPORT
(EXTENDED BY 1/2 MILE)

Map of Sites within One and One-Half Miles

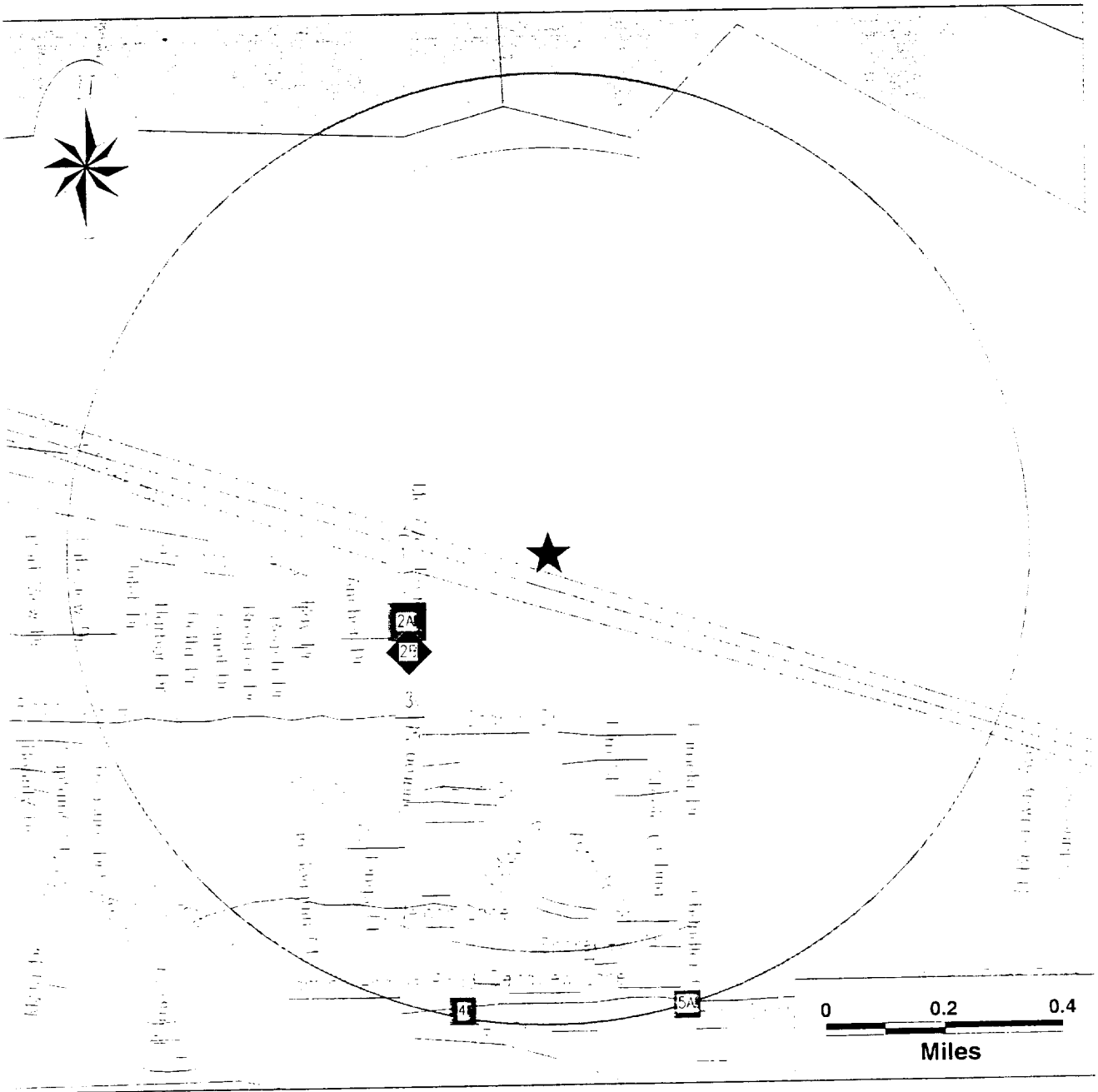


Category:	A	B	C	D
Subject Site	Databases Searched to:	1 1/2 mi.	1 mi.	3/4 mi.	5/8 mi.
★	Single Sites	◆	■	△	-
	Multiple Sites	◆	■	▲	-
Highways and Major Roads		NPL, SPL, CORRACTS (TSD), SCL	CERCLIS\ NFRAP, TSD, LUST, SWLF	UST	ERNS, GENERATORS
Roads					
Railroads					
Rivers or Water Bodies					
Utilities					

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.

SITE ASSESSMENT PLUS REPORT
(EXTENDED BY 1/2 MILE)

Map of Sites within Three-Quarter Miles

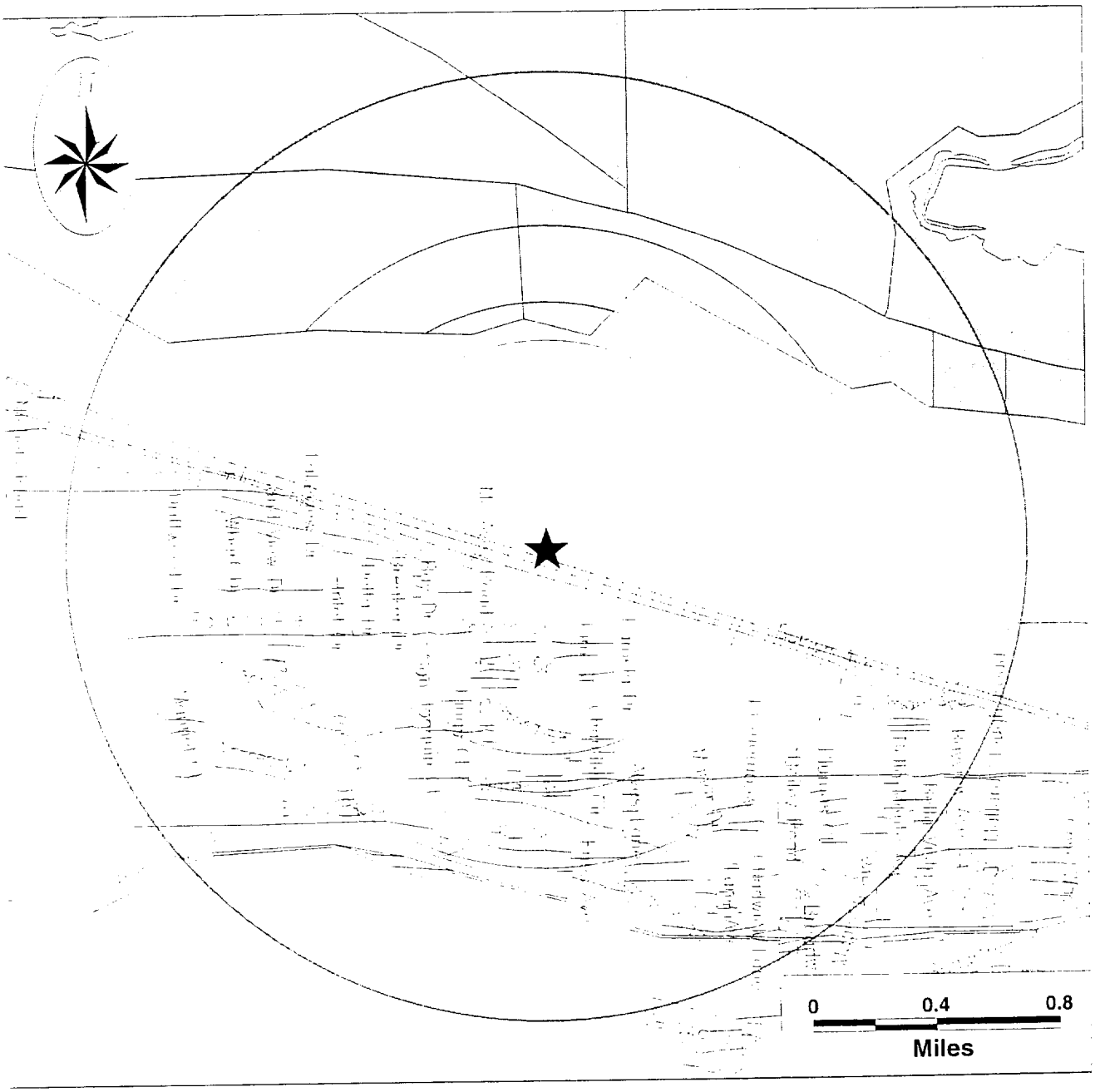


Subject Site	Category: / Databases Searched to:	A 1 1/2 mi.	B 1 mi.	C 3/4 mi.	D 5/8 mi.
★	Single Sites	◆	■	—	-
	Multiple Sites	◆	■	—	-
	Highways and Major Roads Roads Railroads Rivers or Water Bodies Utilities	NPL, SPL, CORRACTS (TSD), SCL	CERCLIS\ NFRAP, TSD, LUST, SWLF	UST	ERNS, GENERATORS

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.

SITE ASSESSMENT PLUS REPORT
(EXTENDED BY 1/2 MILE)

Street Map



Subject Site

Highways and Major Roads
Roads
Railroads
Rivers or Water Bodies
Utilities

SITE ASSESSMENT PLUS REPORT
(EXTENDED BY 1/2 MILE)

SITE INVENTORY

MAP ID	PROPERTY AND THE ADJACENT AREA (within 5/8 mile)	VISTA ID DISTANCE DIRECTION	A			B											C			D	
			NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
1	CORD ELECTRIC MOTOR CORP 900 MCAVOY RD PITTSBURG, CA 94565	102216 0.18 MI W																			X
1	1001 MCAVOY RD PITTSBURG, CA 94565	224022003 0.19 MI W																		X	
2A	PORT CHICAGO HIGHWAY SITE 805 PORT CHICAGO HIGHWAY PITTSBURG, CA 94565	5286409 0.20 MI W						X													
2A	FERRE', MERLE 805 PORT CHICAGO PITTSBURG, CA 94565	4013119 0.20 MI W																X			
2A	MOTOR TRANSPORT TERMINALS INC.(FORM 805 PORT CHICAGO HWY. PITTSBURG, CA 94565	1595530 0.20 MI W							X			X									
2A	WESTERN LEAD BURNING 805 PORT CHICAGO HWY PITTSBURG, CA 94565	465161 0.21 MI W				X															
2A	7-ELEVEN FOOD STORE 2211-16693 774 PORT CHICAGO PITTSBURG, CA 94565	4013106 0.22 MI SW																X			
2B	ACME STEEL CO 761 PORT CHICAGO HIGHWAY PITTSBURG, CA 94565	4933 0.23 MI SW				X															
2B	ACME PACKAGING CORP 761 PORT CHICAGO HWY PITTSBURG, CA 94565	3978655 0.23 MI SW		X													X	X			X
3	SHORE ACRES GAS 603 PORT CHICAGO PITTSBURG, CA 94565	4013053 0.29 MI SW																X			

SITES IN THE SURROUNDING AREA (within 5/8 - 3/4 mile)

MAP ID		VISTA ID / DISTANCE / DIRECTION	A			B											C			D	
			NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
4	HERTZ REALITY 3515 WILLOW PASS RD PITTSBURG, CA 94565	6479021 0.74 MI S							X											
5A	DOSSEY OLD DUTCH PRIDE DAIRY 3215 WILLOW PASS RD PITTSBURG, CA 94565	4990423 0.75 MI S							X											

SITES IN THE SURROUNDING AREA (within 3/4 - 1 mile)

MAP ID		VISTA ID / DISTANCE / DIRECTION	A			B											C			D	
			NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
5	DOSSEY OLD DUTCH PRIDE DAIRY 3215 WILLOW PASS RD PITTSBURG, CA 94565	6848890 0.75 MI S							X											
6	SHELL 2980 WILLOW PASS RD PITTSBURG, CA	930680 0.84 MI SE							X					X						
7	DEXTER CORPORATION - HYSOL DIVISION 2850 WILLOW PASS RD PITTSBURG, CA 94565	120802 0.90 MI SE				X		X						X		•	•			•
7	CRITERION CATALYST CO. L. P. 2850 WILLOW PASS RD. PITTSBURG, CA 94565	106262 0.90 MI SE		X					X							•	•			•
7	PGE SHELL CHEMICAL CO POND 2850 WILLOW PASS RD PITTSBURG, CA 94565	328016 0.91 MI SE				X		X												
7	SHELL MARTINEZ COMPLEX CHEMICAL EAST 2850 WILLOW PASS RD PITTSBURG, CA 94565	1263028 0.91 MI SE				X														
8	PGE 4800 EVORA RD CONCORD, CA 94520	327962 0.95 MI SW							X					X						•

SITES IN THE SURROUNDING AREA (within 1 - 1 1/2 miles)

MAP ID		VISTA ID / DISTANCE / DIRECTION	A			B											C			D	
			NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR

No Records Found

UNMAPPED SITES

	VISTA ID	A			B										C			D	
		NPL	CORRACTS(TSD)	SPL	CERCLIS/NFRAP	TSD	SCL	LUST	SWLF	DEED RSTR	NORTH BAY	SOUTH BAY	CORTESE	TOXIC PITS	RCRA VIOL	TRIS	UST/AST	ERNS	GNRTR
GENERAL CHEMICAL NICHOLS PITTSBURG, CA 94565	166904		X					•							•	•	•		•
WDR-DOW CHEM COMPANY LAND DISP NORTH END LOVERIDGE RD PITTSBURG, CA 94565	57000080								X										
WDR-PITTSBURG LAND DISPOSAL NORTHEND OF NICHOLS ROAD PITTSBURG, CA 94565	57000077								X										
CONCORD NAVAL-INLAND AREA PORT CHICAGO HWY PITTSBURG, CA 94565	5356862												X						
-PGE/SHELL POND CARBON P NORTHEND OF N. BROADWAY PITTSBURG, CA 94565	57003695								X										
PGE GAS PLANT PITTSBURG APPROX 1/2 MI E HARBOR/8TH PITTSBURG, CA 94565	327870				X														
DOWELL SCHLUMBERGER INC* UNKNOWN PITTSBURG, CA 94565	126659		X		X										X		X		X
CONCORD NAVAL WEAPONS STATION PORT CHICAGO HWY PITTSBURG, CA 94565	5356863												X						
CHEVRON LOS MEDANOS TANK FARM CORNER BUCHANANSOMERSVILLE RD PITTSBURG, CA 94565	4826267											X							
STAUFFER CHEMICAL - PITTSBURG PITTSBURG, CA 94565	6830724								X										
ALLIED CHEMICAL COMPANY-PITTSBURG PITTSBURG, CA 94565	6830723								X										
U.S. NAVAL WEAPONS STATION CONCORD, CA	4570465											X							
COWELL N END LAWSON CT, S END BLACK WALNUT CONCORD, CA	5813261								X										
MANVILLE SALES CORP. NORTH PARCEL PITTSBURG, CA 94565	1595446											X							
U.S. NAVAL WEAPONS STATION CONCORD, CA	4823183											X							

SITE ASSESSMENT PLUS REPORT
(EXTENDED BY 1/2 MILE)

DETAILS

PROPERTY AND THE ADJACENT AREA (within 5/8 mile)

VISTA Address*:	**CORD ELECTRIC MOTOR CORP** **900 MCAVOY RD** **PITTSBURG, CA 94565**	VISTA ID#: Distance/Direction: Plotted as:	102216 0.18 MI / W Point	Map ID **1**
RCRA-LgGen - RCRA-Large Generator / SRC# 3713		EPA ID:	CAD047857354	
Agency Address:	*SAME AS ABOVE*			
Generator Class:	*Generates at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).*			

VISTA Address*:	**1001 MCAVOY RD** **PITTSBURG, CA 94565**	VISTA ID#: Distance/Direction: Plotted as:	224022003 0.19 MI / W Point	Map ID **1**
ERNS - Emergency Response Notification System / SRC# 3513		Agency ID:	369710	
Agency Address:	*1001 MCAVOY RD* *BAYPOINT, CA 94565*			
Spill Date Time:	*DECEMBER 7, 1996 05:30:00 AM*			
Case Number:	*369710*			
Spill Location:	*1001 MCAVOY RD*			
Material Spilled:	*UNKNOWN OIL, 0.00 (UNK)*			
Waterway Affected:	*SACRAMENTO/SASSON RIVER*			
Fields Not Reported:	*Source Agency, Discharger Name, Discharger Org, Discharger Phone*			

Air Release:	Land Release:	Water Release:	Ground Release:	Facility Release:	Other Release:
NO	*NO*	*YES*	*NO*	*NO*	*NO*

VISTA Address*:	**PORT CHICAGO HIGHWAY SITE** **805 PORT CHICAGO HIGHWAY** **PITTSBURG, CA 94565**	VISTA ID#: Distance/Direction: Plotted as:	5286409 0.20 MI / W Point	Map ID **2A**
SCL - State Equivalent CERCLIS List / SRC# 3171		Agency ID:	07330029	
Agency Address:	*PORT CHICAGO HIGHWAY SITE* *805 PORT CHICAGO HIGHWAY* *WEST PITTSBURG, CA 94565*			
Status:	*UNKNOWN*			
Facility Type:	*NOT AVAILABLE*			
Lead Agency:	*NOT AVAILABLE*			
State Status:	*REFERRED TO ANOTHER AGENCY*			
Pollutant 1:	*UNSPECIFIED ORGANIC LIQUID MIXTURE*			
Pollutant 2:	*WASTE OIL MIXED OIL*			
Pollutant 3:	*HYDROCARBON SOLVENTS*			

VISTA Address*: **FERRE', MERLE**
805 PORT CHICAGO
PITTSBURG, CA 94565

VISTA ID#:	4013119
Distance/Direction:	0.20 MI / W
Plotted as:	Point
EPA/Agency ID:	N/A

Map ID **2A**

STATE UST - State Underground Storage Tank / SRC# 1612

Agency Address:	SAME AS ABOVE
Underground Tanks:	1
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	CLOSED REMOVED
Tank Contents:	UNLEADED GAS	Leak Monitoring:	UNKNOWN
Tank Age:	NOT REPORTED	Tank Piping:	UNKNOWN
Tank Size (Units):	10000 (GALLONS)	Tank Material:	UNKNOWN

VISTA Address*: **MOTOR TRANSPORT TERMINALS INC.(FORM**
805 PORT CHICAGO HWY.
PITTSBURG, CA 94565

VISTA ID#:	1595530
Distance/Direction:	0.20 MI / W
Plotted as:	Point
Agency ID:	07S0026

Map ID **2A**

STATE LUST - State Leaking Underground Storage Tank / SRC# 3169

Agency Address:	MOTOR TRANSPORT TERMINALS INC (FORME 805 PORT CHICAGO HWY PITTSBURG, CA
Tank Status:	NOT AVAILABLE
Media Affected:	NOT AVAILABLE
Substance:	NOT AVAILABLE
Leak Cause:	UNAVAILABLE
Leak Source:	NOT AVAILABLE
Remedial Action:	NOT AVAILABLE
Remedial Status 1:	MONITORING
Remedial Status 2:	NOT AVAILABLE
Fields Not Reported:	Discovery Date, Quantity (Units)

VISTA Address*: **WESTERN LEAD BURNING**
805 PORT CHICAGO HWY
PITTSBURG, CA 94565

VISTA ID#:	465161
Distance/Direction:	0.21 MI / W
Plotted as:	Point
EPA ID:	CAD982417180

Map ID **2A**

Regional CERCLIS / SRC# 2462

Agency Address:	WESTERN LEAD BURNING 805 PORT CHICAGO HWY W PITTSBURG, CA 94565

Regional Utility Description:
NEW CERCLIS SITE

Regional CERCLIS / SRC# 2462 — EPA ID: CAD982417180

Agency Address:	WESTERN LEAD BURNING 805 PORT CHICAGO HWY W PITTSBURG, CA 94565

Regional Utility Description:
CALIFORNIA 3012 SITE

NFRAP / SRC# 3624 — EPA ID: CAD982417180

Agency Address:	WESTERN LEAD BURNING 805 PORT CHICAGO HWY W PITTSBURG, CA 94565
Alias Name:	PARCEL #098-250-006-8
Alias Street:	NOT REPORTED

Alias City:	NOT REPORTED	Alias Latitude:	0
Alias Zip:	NOT REPORTED	Alias Longitude:	0
Alias State:	NOT REPORTED		

Alias Description:	NOT REPORTED
EPA Region:	9
Congressional District:	7
Federal Facility:	NOT A FEDERAL FACILITY
Facility Ownership:	PRIVATE
Site Incident Category:	unknown
Federal Facility Docket:	SITE IS NOT INCLUDED ON THE DOCKET
NPL Status:	NOT ON NPL
Incident Type:	Unknown
Proposed NPL Update #:	0
Final NPL Update #:	0
Financial Management System ID:	NOT REPORTED
Latitude:	3801360
Longitude:	12153060
Lat/Long Source:	GENERATED BY THE GEOGRAPH DATABASE
Lat/Long Accuracy:	Unknown
Dioxin Tier:	Unknown
USGS Hydro Unit:	18050001
RCRA Indicator:	Unknown
Unit Id:	0
Unit Name:	ENTIRE SITE

Type:	DISCOVERY	Lead Agency:	
Qualifier:	UNKNOWN	Category:	Unknown
Name:	DISCOVERY	Actual Start Date:	NOT REPORTED
Plan Status:	Unknown	Actual Completion Date:	UNKNOWN
Type:	PRELIMINARY ASSESSMENT	Lead Agency:	
Qualifier:	NO FURTHER REMEDIAL ACTION PLANNED	Category:	Unknown
Name:	PRELIMINARY ASSESSMENT	Actual Start Date:	NOT REPORTED
Plan Status:	Unknown	Actual Completion Date:	UNKNOWN

Map ID **2A**

VISTA Address*:	**7-ELEVEN FOOD STORE 2211-16693** **774 PORT CHICAGO** **PITTSBURG, CA 94565**	VISTA ID#:	4013106
		Distance/Direction:	0.22 MI / SW
		Plotted as:	Point
		EPA/Agency ID:	N/A

STATE UST - State Underground Storage Tank / SRC# 1612

Agency Address:	SAME AS ABOVE
Underground Tanks:	3
Aboveground Tanks:	NOT REPORTED
Tanks Removed:	NOT REPORTED

Tank ID:	1U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	9980 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	2U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	UNLEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	6000 (GALLONS)	Tank Material:	BARE STEEL
Tank ID:	3U	Tank Status:	ACTIVE/IN SERVICE
Tank Contents:	LEADED GAS	Leak Monitoring:	MONITOR PRESENT
Tank Age:	NOT REPORTED	Tank Piping:	FIBERGLASS
Tank Size (Units):	6301 (GALLONS)	Tank Material:	BARE STEEL

VISTA Address*:	ACME STEEL CO 761 PORT CHICAGO HIGHWAY PITTSBURG, CA 94565	VISTA ID#:	4933	Map ID
		Distance/Direction:	0.23 MI / SW	2B
		Plotted as:	Point	
NFRAP / SRC# 3624		EPA ID:	CAD041838855	

Agency Address:	SAME AS ABOVE		
Alias Name:	INTERLAKE INC PITTSBURGH CA PLT		
Alias Street:	NOT REPORTED		
Alias City:	NOT REPORTED	Alias Latitude:	0
Alias Zip:	NOT REPORTED	Alias Longitude:	0
Alias State:	NOT REPORTED		
Alias Description:	NOT REPORTED		
EPA Region:	9		
Congressional District:	7		
Federal Facility:	NOT A FEDERAL FACILITY		
Facility Ownership:	PRIVATE		
Site Incident Category:	unknown		
Federal Facility Docket:	SITE IS NOT INCLUDED ON THE DOCKET		
NPL Status:	NOT ON NPL		
Incident Type:	Unknown		
Proposed NPL Update #:	0		
Final NPL Update #:	0		
Financial Management System ID:	NOT REPORTED		
Latitude:	3801360		
Longitude:	12153060		
Lat/Long Source:	GENERATED BY THE GEOGRAPH DATABASE		
Lat/Long Accuracy:	Unknown		
Dioxin Tier:	Unknown		
USGS Hydro Unit:	18050001		
RCRA Indicator:	ENVIRONMENTAL PRIORITY INITIATIVE		
Unit Id:	0		
Unit Name:	ENTIRE SITE		
Type:	PRELIMINARY ASSESSMENT	Lead Agency:	
Qualifier:	DEFERRED TO RCRA (SUBTITLE C) OR NRC	Category:	Unknown
Name:	PRELIMINARY ASSESSMENT	Actual Start Date:	NOT REPORTED
Plan Status:	Unknown	Actual Completion Date:	UNKNOWN

VISTA Address*:	ACME PACKAGING CORP 761 PORT CHICAGO HWY PITTSBURG, CA 94565	VISTA ID#:	3978655	Map ID
		Distance/Direction:	0.23 MI / SW	2B
		Plotted as:	Point	
RCRA-LgGen - RCRA-Large Generator / SRC# 3713		EPA ID:	CAD041838855	

Agency Address:	ACME PACKAGING CORP 761 PORT CHICAGO HWY PITTSBURGH, CA 945651596
Generator Class:	Generates at least 1000 kg./month of non-acutely hazardous waste (or 1 kg./month of acutely hazardous waste).

CORRACTS / SRC# 3713	EPA ID:	CAD041838855
Agency Address:	ACME PACKAGING CORP 761 PORT CHICAGO HWY PITTSBURGH, CA 945651596	
Prioritization Status:	LOW	
RCRA Facility Assessment Completed:	NO	
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:	NO	

RCRA-Violations / SRC# 3713	EPA ID:	CAD041838855
Agency Address:	ACME PACKAGING CORP 761 PORT CHICAGO HWY PITTSBURGH, CA 945651596	
Enforcement Number:	891116002	
Enforcement Agency:	State	
Action Date:	UNKNOWN	
Action Type:	WRITTEN INFORMAL	
Penalty Assessed:	NOT REPORTED	
Penalty Settlement:	NOT REPORTED	
Violation Type:	GENERATOR--OTHER REQUIREMENTS	
Violation Date:	AUGUST 25, 1989	
Violation Class:	1	
Actual Compliance Date:	AUGUST 25, 1989	
Scheduled Compliance Date:	NOT REPORTED	
Violation Type:	GENERATOR--OTHER REQUIREMENTS	
Violation Date:	AUGUST 25, 1989	
Violation Class:	1	
Actual Compliance Date:	AUGUST 25, 1989	
Scheduled Compliance Date:	NOT REPORTED	

TRIS - Toxic Release Inventory System / SRC# 3716 | EPA ID: CAD041838855

Agency Address: *ACME PACKAGING CORP. BAY POINT FACILITY*
761 PORT CHICAGO HWY.
BAY POINT, CA 945651596

Chemical Abstract Service Registry: *"NOT REPORTED"*

Quantity Released: *15408.00 (POUNDS)*

Map ID **3**

VISTA Address*: **SHORE ACRES GAS**
603 PORT CHICAGO
PITTSBURG, CA 94565

VISTA ID#:	4013053
Distance/Direction:	0.29 MI / SW
Plotted as:	Point
EPA/Agency ID:	N/A

STATE UST - State Underground Storage Tank / SRC# 1612

Agency Address: *SAME AS ABOVE*
Underground Tanks: *5*
Aboveground Tanks: *NOT REPORTED*
Tanks Removed: *NOT REPORTED*

Tank ID:	*1U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*LEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*6000 (GALLONS)*	**Tank Material:**	*UNKNOWN*
Tank ID:	*2U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*3000 (GALLONS)*	**Tank Material:**	*UNKNOWN*
Tank ID:	*3U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*8000 (GALLONS)*	**Tank Material:**	*UNKNOWN*
Tank ID:	*4U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*UNLEADED GAS*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*5000 (GALLONS)*	**Tank Material:**	*UNKNOWN*
Tank ID:	*5U*	**Tank Status:**	*ACTIVE/IN SERVICE*
Tank Contents:	*OIL(NOT SPECIFIED)*	**Leak Monitoring:**	*UNKNOWN*
Tank Age:	*NOT REPORTED*	**Tank Piping:**	*UNKNOWN*
Tank Size (Units):	*500 (GALLONS)*	**Tank Material:**	*UNKNOWN*

SITES IN THE SURROUNDING AREA (within 5/8 - 3/4 mile)

VISTA Address*:	HERTZ REALITY 3515 WILLOW PASS RD PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	6479021 0.74 MI / S Point	Map ID 4

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3486 — Agency ID: 07-0703

Agency Address:	*HERTZ REALITY 3515 WILLOW PASS RD PITTSBURG, CA 64565*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*AUGUST 23, 1995*
Media Affected:	*SOIL/LAND/SAND*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNKNOWN*
Leak Source:	*UNKNOWN*
Remedial Action:	*EXCAVATE TREAT*
Remedial Status 1:	*CONTAMINATION ASSESSMENT*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

STATE LUST - State Leaking Underground Storage Tank / SRC# 3676 — Agency ID: 07-0703

Agency Address:	*HERTZ REALITY 3515 WILLOW PASS RD PITTSBURG, CA 64565*
Tank Status:	*NOT AVAILABLE*
Media Affected:	*SOIL/LAND/SAND*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNAVAILABLE*
Leak Source:	*NOT AVAILABLE*
Remedial Action:	*EXCAVATE TREAT*
Remedial Status 1:	*CONTAMINATION ASSESSMENT*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Discovery Date, Quantity (Units)*

VISTA Address*:	DOSSEY OLD DUTCH PRIDE DAIRY 3215 WILLOW PASS RD PITTSBURG, CA 94565	VISTA ID#: Distance/Direction: Plotted as:	4990423 0.75 MI / S Point	Map ID 5A

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3486 — Agency ID: 07-0505

Agency Address:	*SAME AS ABOVE*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*SEPTEMBER 15, 1986*
Media Affected:	*SOIL/LAND/SAND*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNKNOWN*
Leak Source:	*UNKNOWN*
Remedial Action:	*NO ACTION TAKEN*
Remedial Status 1:	*LEAK BEING CONFIRMED*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

SITES IN THE SURROUNDING AREA (within 3/4 - 1 mile)

VISTA Address*:	DOSSEY OLD DUTCH PRIDE DAIRY 3215 WILLOW PASS RD PITTSBURG, CA 94565	VISTA ID#:	6848890	Map ID
		Distance/Direction:	0.75 MI / S	5
		Plotted as:	Point	

STATE LUST - State Leaking Underground Storage Tank / SRC# 3676 — Agency ID: 07-0505

Agency Address:	*SAME AS ABOVE*
Tank Status:	*NOT AVAILABLE*
Media Affected:	*SOIL/LAND/SAND*
Substance:	*GASOLINE (UNSPECIFIED)*
Leak Cause:	*UNAVAILABLE*
Leak Source:	*NOT AVAILABLE*
Remedial Action:	*NO ACTION TAKEN*
Remedial Status 1:	*LEAK BEING CONFIRMED*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Discovery Date, Quantity (Units)*

VISTA Address*:	SHELL 2980 WILLOW PASS RD PITTSBURG, CA	VISTA ID#:	930680	Map ID
		Distance/Direction:	0.84 MI / SE	6
		Plotted as:	Point	

CORTESE / SRC# 2298 — EPA/Agency ID: N/A

Agency Address:	*SAME AS ABOVE*
List Name:	*LEAKING TANK*
Site ID:	*INV-ID07-000383*

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3486 — Agency ID: 07-0298

Agency Address:	*SAME AS ABOVE*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*JUNE 9, 1987*
Media Affected:	*GROUNDWATER*
Substance:	*WASTE OIL*
Leak Cause:	*UNKNOWN*
Leak Source:	*UNKNOWN*
Remedial Action:	*EXCAVATE DISPOSE*
Remedial Status 1:	*PRELIMINARY ASSESSMENT*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

STATE LUST - State Leaking Underground Storage Tank / SRC# 3676 — Agency ID: 07-0298

Agency Address:	*SHELL* *2980 WILLOW PASS RD* *PITTSBURG, CA 94565*
Tank Status:	*NOT AVAILABLE*
Media Affected:	*GROUNDWATER*
Substance:	*REGULAR GAS*
Leak Cause:	*UNAVAILABLE*
Leak Source:	*NOT AVAILABLE*
Remedial Action:	*EXCAVATE DISPOSE*
Remedial Status 1:	*PRELIMINARY ASSESSMENT*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Discovery Date, Quantity (Units)*

VISTA Address*:	DEXTER CORPORATION - HYSOL DIVISION 2850 WILLOW PASS RD PITTSBURG, CA 94565	VISTA ID#:	120802
		Distance/Direction:	0.90 MI / SE
		Plotted as:	Point
		EPA/Agency ID:	N/A

Map ID **7**

CORTESE / SRC# 2298

Agency Address:	*DEXTER CORPORATION - HYSOL DIVISION* *2850 WILLOW PASS RD* *PITTSBURG, CA 94565659*
List Name:	*CALSITE*
Site ID:	*INV-ID07-000532*

Regional CERCLIS / SRC# 2462 — EPA ID: CAD050345438

Agency Address:	*DEXTER CORP HYSOL DIV* *2850 WILLOW PASS RD* *PITTSBURG, CA 94565*

Regional Utility Description:
NEW CERCLIS SITE

Regional CERCLIS / SRC# 2462 — EPA ID: CAD050345438

Agency Address:	*DEXTER CORP HYSOL DIV* *2850 WILLOW PASS RD* *PITTSBURG, CA 94565*

Regional Utility Description:
RCRA REG GEN

SCL - State Equivalent CERCLIS List / SRC# 3171 — Agency ID: 07280085

Agency Address:	*DEXTER CORPORATION - HYSOL DIVISION* *2850 WILLOW PASS ROAD* *WEST PITTSBURG, CA 94565*
Status:	*UNKNOWN*
Facility Type:	*NOT AVAILABLE*
Lead Agency:	*NOT AVAILABLE*
State Status:	*FORMER ANNUAL WORKPLAN SITE, REFERRED TO RCRA*
Pollutant 1:	*CONTAMINATED SOIL*
Pollutant 2:	*LABORATORY WASTE CHEMICALS*
Pollutant 3:	*OTHER ORGANIC SOLIDS*

NFRAP / SRC# 3624 — EPA ID: CAD050345438

Agency Address:	*DEXTER CORP HYSOL DIV* *2850 WILLOW PASS RD* *PITTSBURG, CA 94565*
EPA Region:	*9*
Congressional District:	*7*
Federal Facility:	*NOT A FEDERAL FACILITY*
Facility Ownership:	*PRIVATE*
Site Incident Category:	*unknown*
Federal Facility Docket:	*SITE IS NOT INCLUDED ON THE DOCKET*
NPL Status:	*NOT ON NPL*
Incident Type:	*Unknown*
Proposed NPL Update #:	*0*
Final NPL Update #:	*0*
Financial Management System ID:	*NOT REPORTED*
Latitude:	*3801360*
Longitude:	*12153060*
Lat/Long Source:	*GENERATED BY THE GEOGRAPH DATABASE*
Lat/Long Accuracy:	*Unknown*
Dioxin Tier:	*Unknown*
USGS Hydro Unit:	*18050001*
RCRA Indicator:	*Unknown*

SITES IN THE SURROUNDING AREA (within 3/4 - 1 mile) CONT.

Unit Id:	*0*		
Unit Name:	*ENTIRE SITE*		
Type:	*DISCOVERY*	**Lead Agency:**	
Qualifier:	*UNKNOWN -*	**Category:**	*Unknown*
Name:	*DISCOVERY*	**Actual Start Date:**	*NOT REPORTED*
Plan Status:	*Unknown*	**Actual Completion Date:**	*UNKNOWN*
Type:	*PRELIMINARY ASSESSMENT*	**Lead Agency:**	
Qualifier:	*NO FURTHER REMEDIAL ACTION PLANNED*	**Category:**	*Unknown*
Name:	*PRELIMINARY ASSESSMENT*	**Actual Start Date:**	*NOT REPORTED*
Plan Status:	*Unknown*	**Actual Completion Date:**	*UNKNOWN*

Map ID **7**

VISTA Address*:	**CRITERION CATALYST CO. L. P.** **2850 WILLOW PASS RD.** **PITTSBURG, CA 94565**	VISTA ID#:	106262
		Distance/Direction:	0.90 MI / SE
		Plotted as:	Point

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3486 — Agency ID: 07-0651

Agency Address:	*SAME AS ABOVE*
Tank Status:	*NOT AVAILABLE*
Discovery Date:	*SEPTEMBER 29, 1988*
Media Affected:	*SOIL/LAND/SAND*
Substance:	*DIESEL*
Leak Cause:	*UNKNOWN*
Leak Source:	*UNKNOWN*
Remedial Action:	*EXCAVATE DISPOSE*
Remedial Status 1:	*LEAK BEING CONFIRMED*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Quantity (Units)*

STATE LUST - State Leaking Underground Storage Tank / SRC# 3676 — Agency ID: 07-0651

Agency Address:	*CRITERION CATALYST* *2850 WILLOW PASS RD* *PITTSBURG, CA 94565*
Tank Status:	*NOT AVAILABLE*
Media Affected:	*SOIL/LAND/SAND*
Substance:	*DIESEL*
Leak Cause:	*UNAVAILABLE*
Leak Source:	*NOT AVAILABLE*
Remedial Action:	*EXCAVATE DISPOSE*
Remedial Status 1:	*LEAK BEING CONFIRMED*
Remedial Status 2:	*NOT AVAILABLE*
Fields Not Reported:	*Discovery Date, Quantity (Units)*

CORRACTS / SRC# 3713 | EPA ID: CAD000094243

Agency Address:	*CRITERION CATALYST CO L P 2850 WILLOW PASS RD PARCEL 052 PITTSBURG, CA 945650659*
Prioritization Status:	*HIGH*
RCRA Facility Assessment Completed:	*NO*
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:	*NO*

RCRA-TSD CORRACTS / SRC# 3713 | EPA ID: CAD000094243

Agency Address:	*CRITERION CATALYST CO L P 2850 WILLOW PASS RD PARCEL 052 PITTSBURG, CA 945650659*
Off-Site Waste Received:	*NO*
Land Disposal:	*NO*
Incinerator:	*NO*
Storage/Treatment:	*NO*

VISTA Address*: **PGE SHELL CHEMICAL CO POND**
2850 WILLOW PASS RD
PITTSBURG, CA 94565

VISTA ID#: 328016
Distance/Direction: 0.91 MI / SE
Plotted as: Point

Map ID **7**

Regional CERCLIS / SRC# 2462 | EPA ID: CAD980637128

Agency Address: *SAME AS ABOVE*

Regional Utility Description:
HEAVY METALS

Regional CERCLIS / SRC# 2462 | EPA ID: CAD980637128

Agency Address: *SAME AS ABOVE*

Regional Utility Description:
INORGANICS

Regional CERCLIS / SRC# 2462 | EPA ID: CAD980637128

Agency Address: *SAME AS ABOVE*

Regional Utility Description:
UNKNOWN

SITES IN THE SURROUNDING AREA (within 3/4 - 1 mile) CONT.

Regional CERCLIS / SRC# 2462		EPA ID:	CAD980637128
Agency Address:	*SAME AS ABOVE*		
Regional Utility Description:			
ORGANICS			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD980637128
Agency Address:	*SAME AS ABOVE*		
Regional Utility Description:			
SURFACE IMPOUNDMENT			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD980637128
Agency Address:	*SAME AS ABOVE*		
Regional Utility Description:			
RANKING STATE			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD980637128
Agency Address:	*SAME AS ABOVE*		
Regional Utility Description:			
PENDING: LOW SCORING SITE			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD980637128
Agency Address:	*SAME AS ABOVE*		
Regional Utility Description:			
NOTIS 103(C) SITE			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD980637128
Agency Address:	*SAME AS ABOVE*		
Regional Utility Description:			
CONTRA COSTA STUDY			
SCL - State Equivalent CERCLIS List / SRC# 3171		Agency ID:	07490045
Agency Address:	*PGE/SHELL - WEST PITTSBURG* *WILLOW PASS ROAD* *WEST PITTSBURG, CA 94565*		
Status:	*NON-NPL SITE*		
Facility Type:	*NOT AVAILABLE*		
Lead Agency:	*DEPT OF TOXIC SUBSTANCES CONTROL*		
State Status:	*FORMER ANNUAL WORKPLAN SITE, REFERRED TO RCRA*		
Pollutant 1:	*UNKNOWN*		
Pollutant 2:	*UNKNOWN*		
Pollutant 3:	*UNKNOWN*		
CERCLIS / SRC# 3623		EPA ID:	CAD980637128
Agency Address:	*SAME AS ABOVE*		
Alias Name:	*SHELL CHEMICAL CO POND PGE*		
Alias Street:	*E OF MCAVOY RD N OF SN FE RR*		
Alias City:	*PITTSBURG (WEST)*	**Alias Latitude:**	*3801360*
Alias Zip:	*94565*	**Alias Longitude:**	*12153060*
Alias State:	*CA*		
Alias Description:	*NOT REPORTED*		
Alias Name:	*SHELL MARTINEZ COMPLEX-CHEMICAL EAST*		
Alias Street:	*NOT REPORTED*		
Alias City:	*NOT REPORTED*	**Alias Latitude:**	*0*
Alias Zip:	*NOT REPORTED*	**Alias Longitude:**	*0*
Alias State:	*NOT REPORTED*		
Alias Description:	*NOT REPORTED*		

EPA Region:	9
Congressional District:	7
Federal Facility:	NOT A FEDERAL FACILITY
Facility Ownership:	UNKNOWN
Site Incident Category:	unknown
Federal Facility Docket:	SITE IS NOT INCLUDED ON THE DOCKET
NPL Status:	NOT ON NPL
Incident Type:	Unknown
Proposed NPL Update #:	0
Final NPL Update #:	0
Financial Management System ID:	09
Latitude:	3801450
Longitude:	12156400
Lat/Long Source:	RESEARCHED BY THE REGION AND MANUALLY ENTERED
Lat/Long Accuracy:	Unknown
Dioxin Tier:	Unknown
USGS Hydro Unit:	18020109
RCRA Indicator:	Unknown
Unit Id:	0
Unit Name:	SITE EVALUATION/DISPOSITION

Type:	DISCOVERY	**Lead Agency:**	
Qualifier:	UNKNOWN	**Category:**	Unknown
Name:	DISCOVERY	**Actual Start Date:**	NOT REPORTED
Plan Status:	Unknown	**Actual Completion Date:**	UNKNOWN
Type:	PRELIMINARY ASSESSMENT	**Lead Agency:**	
Qualifier:	LOWER PRIORITY	**Category:**	Unknown
Name:	PRELIMINARY ASSESSMENT	**Actual Start Date:**	UNKNOWN
Plan Status:	Unknown	**Actual Completion Date:**	UNKNOWN
Type:	SCREENING SITE INSPECTION	**Lead Agency:**	
Qualifier:	LOWER PRIORITY	**Category:**	Unknown
Name:	SCREENING SITE INSPECTION	**Actual Start Date:**	NOT REPORTED
Plan Status:	Unknown	**Actual Completion Date:**	UNKNOWN

VISTA Address*:	**SHELL MARTINEZ COMPLEX CHEMICAL EAST** **2850 WILLOW PASS RD** **PITTSBURG, CA 94565**	VISTA ID#: Distance/Direction: Plotted as:	1263028 0.91 MI / SE Point	Map ID **7**
Regional CERCLIS / SRC# 2462		EPA ID:	CAD000094243	
Agency Address:	*SHELL MARTINEZ COMPLEX CHEMICAL EAST* *2850 WILLOW PASS RD* *PITTSBURG, CA 94553*			
Regional Utility Description:				
ACIDS				
Regional CERCLIS / SRC# 2462		EPA ID:	CAD000094243	
Agency Address:	*SHELL MARTINEZ COMPLEX CHEMICAL EAST* *2850 WILLOW PASS RD* *PITTSBURG, CA 94553*			
Regional Utility Description:				
BASES				

Regional CERCLIS / SRC# 2462 EPA ID: CAD000094243

Agency Address: *SHELL MARTINEZ COMPLEX CHEMICAL EAST*
2850 WILLOW PASS RD
PITTSBURG, CA 94553

Regional Utility Description:
HEAVY METALS

Regional CERCLIS / SRC# 2462 EPA ID: CAD000094243

Agency Address: *SHELL MARTINEZ COMPLEX CHEMICAL EAST*
2850 WILLOW PASS RD
PITTSBURG, CA 94553

Regional Utility Description:
INORGANICS

Regional CERCLIS / SRC# 2462 EPA ID: CAD000094243

Agency Address: *SHELL MARTINEZ COMPLEX CHEMICAL EAST*
2850 WILLOW PASS RD
PITTSBURG, CA 94553

Regional Utility Description:
ORGANICS

Regional CERCLIS / SRC# 2462 EPA ID: CAD000094243

Agency Address: *SHELL MARTINEZ COMPLEX CHEMICAL EAST*
2850 WILLOW PASS RD
PITTSBURG, CA 94553

Regional Utility Description:
PILES

Regional CERCLIS / SRC# 2462 EPA ID: CAD000094243

Agency Address: *SHELL MARTINEZ COMPLEX CHEMICAL EAST*
2850 WILLOW PASS RD
PITTSBURG, CA 94553

Regional Utility Description:
RCRA REGULATED: GENERATOR, TSD FACILITY (NON HANDLER) SEE NOTIFICATION PART A FILE

Regional CERCLIS / SRC# 2462 EPA ID: CAD000094243

Agency Address: *SHELL MARTINEZ COMPLEX CHEMICAL EAST*
2850 WILLOW PASS RD
PITTSBURG, CA 94553

Regional Utility Description:
HAZARD TARGET GROUND WATER: OBSERVED

Regional CERCLIS / SRC# 2462 EPA ID: CAD000094243

Agency Address: *SHELL MARTINEZ COMPLEX CHEMICAL EAST*
2850 WILLOW PASS RD
PITTSBURG, CA 94553

Regional Utility Description:
IMPOUNDMENT

Regional CERCLIS / SRC# 2462 EPA ID: CAD000094243

Agency Address: *SHELL MARTINEZ COMPLEX CHEMICAL EAST*
2850 WILLOW PASS RD
PITTSBURG, CA 94553

Regional Utility Description:
CHEMICAL MANUFACTURER

Regional CERCLIS / SRC# 2462 EPA ID: CAD000094243

Agency Address: *SHELL MARTINEZ COMPLEX CHEMICAL EAST*
2850 WILLOW PASS RD
PITTSBURG, CA 94553

Regional Utility Description:
PENDING: LOW SCORING SITE

Regional CERCLIS / SRC# 2462 EPA ID: CAD000094243

Agency Address: *SHELL MARTINEZ COMPLEX CHEMICAL EAST*
2850 WILLOW PASS RD
PITTSBURG, CA 94553

Regional Utility Description:
NOTIS 103(C) SITE

SITES IN THE SURROUNDING AREA (within 3/4 - 1 mile) CONT.

NFRAP / SRC# 3624		**EPA ID:**	CAD000094243
Agency Address:	SHELL MARTINEZ COMPLEX CHEMICAL EAST 2850 WILLOW PASS RD PITTSBURG, CA 94553		
Alias Name:	PG E/SHELL CHEM CO POND		
Alias Street:	2850 WILLOW PASS RD		
Alias City:	PITTSBURG	**Alias Latitude:**	3801360
Alias Zip:	94565	**Alias Longitude:**	12153060
Alias State:	CA		
Alias Description:	PG E/SHELL CHEM CO POND'S EPA ID NUMBER IS CAD980637128.		
Alias Name:	PG E SHELL CHEMICAL CO POND		
Alias Street:	NOT REPORTED		
Alias City:	NOT REPORTED	**Alias Latitude:**	0
Alias Zip:	NOT REPORTED	**Alias Longitude:**	0
Alias State:	NOT REPORTED		
Alias Description:	NOT REPORTED		
EPA Region:	9		
Congressional District:	7		
Federal Facility:	NOT A FEDERAL FACILITY		
Facility Ownership:	UNKNOWN		
Site Incident Category:	unknown		
Federal Facility Docket:	SITE IS NOT INCLUDED ON THE DOCKET		
NPL Status:	NOT ON NPL		
Incident Type:	Unknown		
Proposed NPL Update #:	0		
Final NPL Update #:	0		
Financial Management System ID:	NOT REPORTED		
Latitude:	3801450		
Longitude:	12156400		
Lat/Long Source:	RESEARCHED BY THE REGION AND MANUALLY ENTERED		
Lat/Long Accuracy:	Unknown		
Dioxin Tier:	Unknown		
USGS Hydro Unit:	18050001		
RCRA Indicator:	YES (RCRA FACILITY)		
Unit Id:	0		
Unit Name:	ENTIRE SITE		
Type:	DISCOVERY	**Lead Agency:**	
Qualifier:	UNKNOWN	**Category:**	Unknown
Name:	DISCOVERY	**Actual Start Date:**	NOT REPORTED
Plan Status:	Unknown	**Actual Completion Date:**	UNKNOWN
Type:	PRELIMINARY ASSESSMENT	**Lead Agency:**	
Qualifier:	NO FURTHER REMEDIAL ACTION PLANNED	**Category:**	Unknown
Name:	PRELIMINARY ASSESSMENT	**Actual Start Date:**	UNKNOWN
Plan Status:	Unknown	**Actual Completion Date:**	UNKNOWN

SITES IN THE SURROUNDING AREA (within 3/4 - 1 mile) CONT.

VISTA Address*:	PGE 4800 EVORA RD CONCORD, CA 94520	VISTA ID#:	327962	Map ID
		Distance/Direction:	0.95 MI / SW	8
		Plotted as:	Point	

CORTESE / SRC# 2298		EPA/Agency ID:	N/A
Agency Address:	SAME AS ABOVE		
List Name:	LEAKING TANK		
Site ID:	INV-ID07-000317		

Regional LUST - Regional Leaking Underground Storage Tank / SRC# 3486		Agency ID:	07-0236
Agency Address:	PG E LOS MEDANOS STATION 4800 EVORA RD CONCORD, CA 94520		
Tank Status:	NOT AVAILABLE		
Discovery Date:	FEBRUARY 9, 1989		
Media Affected:	SOIL/LAND/SAND		
Substance:	WASTE OIL		
Leak Cause:	STRUCTURAL FAILURE		
Leak Source:	UNDERGROUND TANK		
Remedial Action:	NO ACTION TAKEN		
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Quantity (Units)		

STATE LUST - State Leaking Underground Storage Tank / SRC# 3676		Agency ID:	07-0236
Agency Address:	PG E 4800 EVORA RD CONCORD, CA 94520		
Tank Status:	NOT AVAILABLE		
Media Affected:	SOIL/LAND/SAND		
Substance:	WASTE OIL		
Leak Cause:	UNAVAILABLE		
Leak Source:	NOT AVAILABLE		
Remedial Action:	NO ACTION TAKEN		
Remedial Status 1:	CASE CLOSED/CLEANUP COMPLETE		
Remedial Status 2:	NOT AVAILABLE		
Fields Not Reported:	Discovery Date, Quantity (Units)		

SITES IN THE SURROUNDING AREA (within 1 - 1 1/2 miles)

No Records Found

UNMAPPED SITES

VISTA Address*:	**GENERAL CHEMICAL** **NICHOLS** **PITTSBURG, CA 94565**	VISTA ID#:	166904
		EPA ID:	CAD009142290

CORRACTS / SRC# 3713

Agency Address:	*GENERAL CHEMICAL CORPORATION* *501 NICHOLS RD* *PITTSBURG, CA 94565*
Prioritization Status:	*HIGH*
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:	*YES*
RFI Report Received:	*NO*
RFI Approved:	*YES*
No Further Corrective Action at this Time:	*NO*
Stabilization Mesaures Evaluation:	*YES*
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:	*NO*

RCRA-TSD CORRACTS / SRC# 3713 — EPA ID: CAD009142290

Agency Address:	*GENERAL CHEMICAL CORPORATION* *501 NICHOLS RD* *PITTSBURG, CA 94565*
Off-Site Waste Received:	*NO*
Land Disposal:	*NO*
Incinerator:	*NO*
Storage/Treatment:	*YES*

VISTA Address*:	WDR-DOW CHEM COMPANY LAND DISP NORTH END LOVERIDGE RD PITTSBURG, CA 94565	VISTA ID#:	57000080
WMUDS / SRC# 3373		Agency ID:	2 071017002

Agency Address:	*SAME AS ABOVE*
Solid Waste Inventory System ID:	*NOT REPORTED*
Facility Type:	*SOLID WASTE SITES-CLASS I - A solid waste facility at which hazardous wastes may be treated or stored*
Facility In State Board Waste Discharger System:	*YES*
Chapter 15 Facility:	*YES*
Solid Waste Assessment Test Facility:	*YES*
Toxic Pits Cleanup Act Facility:	*NO*
RCRA Facility:	*NO*
Department of Defense Facility:	*NO*
Open To Public:	*NO*
Number Of Waste Management Units:	*1*
Rank:	*5*
Enforcements At Facility:	*NO*
Violations At Facility:	*NO*

VISTA Address*:	WDR-PITTSBURG LAND DISPOSAL NORTHEND OF NICHOLS ROAD PITTSBURG, CA 94565	VISTA ID#:	57000077
WMUDS / SRC# 3373		Agency ID:	2 071001002

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 whatevernature, 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:	*YES*
Toxic Pits Cleanup Act Facility:	*NO*
RCRA Facility:	*NO*
Department of Defense Facility:	*NO*
Open To Public:	*NO*
Number Of Waste Management Units:	*1*
Rank:	*6*
Enforcements At Facility:	*NO*
Violations At Facility:	*NO*

VISTA Address*:	-PGE/SHELL POND CARBON P NORTHEND OF N. BROADWAY PITTSBURG, CA 94565	VISTA ID#:	57003695
WMUDS / SRC# 3373		Agency ID:	2 071041N02

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 whatevernature, 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:	*NO*
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:	*NO*

VISTA Address*:	PGE GAS PLANT PITTSBURG APPROX 1/2 MI E HARBOR/8TH PITTSBURG, CA 94565	VISTA ID#:	327870
Regional CERCLIS / SRC# 2462		EPA ID:	CAD981415839
Agency Address:	*SAME AS ABOVE*		
Regional Utility Description:			
NEW CERCLIS SITE			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD981415839
Agency Address:	*SAME AS ABOVE*		
Regional Utility Description:			
PGE GAS PLANT SITE			
Regional CERCLIS / SRC# 2462		EPA ID:	CAD981415839
Agency Address:	*SAME AS ABOVE*		
Regional Utility Description:			
CONTRA COSTA STUDY			

NFRAP / SRC# 3624		EPA ID:	CAD981415839
Agency Address:	SAME AS ABOVE		
EPA Region:	9		
Congressional District:	7		
Federal Facility:	NOT A FEDERAL FACILITY		
Facility Ownership:	UNKNOWN		
Site Incident Category:	unknown		
Federal Facility Docket:	SITE IS NOT INCLUDED ON THE DOCKET		
NPL Status:	NOT ON NPL		
Incident Type:	Unknown		
Proposed NPL Update #:	0		
Final NPL Update #:	0		
Financial Management System ID:	09		
Latitude:	3801360		
Longitude:	12153060		
Lat/Long Source:	GENERATED BY THE GEOGRAPH DATABASE		
Lat/Long Accuracy:	Unknown		
Dioxin Tier:	Unknown		
USGS Hydro Unit:	18050001		
RCRA Indicator:	Unknown		
Unit Id:	0		
Unit Name:	ENTIRE SITE		
Type:	DISCOVERY	Lead Agency:	
Qualifier:	UNKNOWN	Category:	Unknown
Name:	DISCOVERY	Actual Start Date:	NOT REPORTED
Plan Status:	Unknown	Actual Completion Date:	UNKNOWN
Type:	PRELIMINARY ASSESSMENT	Lead Agency:	
Qualifier:	LOWER PRIORITY	Category:	Unknown
Name:	PRELIMINARY ASSESSMENT	Actual Start Date:	NOT REPORTED
Plan Status:	Unknown	Actual Completion Date:	UNKNOWN
Type:	SCREENING SITE INSPECTION	Lead Agency:	
Qualifier:	NO FURTHER REMEDIAL ACTION PLANNED	Category:	Unknown
Name:	SCREENING SITE INSPECTION	Actual Start Date:	NOT REPORTED
Plan Status:	Unknown	Actual Completion Date:	UNKNOWN
Type:	SCREENING SITE INSPECTION	Lead Agency:	
Qualifier:	NO FURTHER REMEDIAL ACTION PLANNED	Category:	Unknown
Name:	SCREENING SITE INSPECTION	Actual Start Date:	NOT REPORTED
Plan Status:	Unknown	Actual Completion Date:	UNKNOWN

VISTA Address*:	DOWELL SCHLUMBERGER INC* UNKNOWN PITTSBURG, CA 94565	VISTA ID#:	126659
NFRAP / SRC# 3624		EPA ID:	CAT080010580
Agency Address:	DOWELL SCHLUMBERGER LOVERIDGE RD PITTSBERG, CA 94565		
Alias Name:	DOWELL INC.		
Alias Street:	NOT REPORTED		

UNMAPPED SITES CONT.

Alias City:	NOT REPORTED	**Alias Latitude:**	0
Alias Zip:	NOT REPORTED	**Alias Longitude:**	0
Alias State:	NOT REPORTED		
Alias Description:	NOT REPORTED		
EPA Region:	9		
Congressional District:	7		
Federal Facility:	NOT A FEDERAL FACILITY		
Facility Ownership:	PRIVATE		
Site Incident Category:	unknown		
Federal Facility Docket:	SITE IS NOT INCLUDED ON THE DOCKET		
NPL Status:	NOT ON NPL		
Incident Type:	Unknown		
Proposed NPL Update #:	0		
Final NPL Update #:	0		
Financial Management System ID:	NOT REPORTED		
Latitude:	3801360		
Longitude:	12153060		
Lat/Long Source:	GENERATED BY THE GEOGRAPH DATABASE		
Lat/Long Accuracy:	Unknown		
Dioxin Tier:	Unknown		
USGS Hydro Unit:	18050001		
RCRA Indicator:	YES (RCRA FACILITY)		
Unit Id:	0		
Unit Name:	ENTIRE SITE		
Type:	DISCOVERY	**Lead Agency:**	
Qualifier:	UNKNOWN	**Category:**	Unknown
Name:	DISCOVERY	**Actual Start Date:**	NOT REPORTED
Plan Status:	Unknown	**Actual Completion Date:**	UNKNOWN
Type:	PRELIMINARY ASSESSMENT	**Lead Agency:**	
Qualifier:	DEFERRED TO RCRA (SUBTITLE C) OR NRC	**Category:**	Unknown
Name:	PRELIMINARY ASSESSMENT	**Actual Start Date:**	NOT REPORTED
Plan Status:	Unknown	**Actual Completion Date:**	UNKNOWN

CORRACTS / SRC# 3713		EPA ID:	CAT080010580
Agency Address:	DOWELL SCHLUMBERGER INC LOVERIDGE ROAD PITTSBURG, CA 94565		
Prioritization Status:	MEDIUM		
RCRA Facility Assessment Completed:	NO		
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:	NO		

RCRA-TSD CORRACTS / SRC# 3713		EPA ID:	CAT080010580
Agency Address:	DOWELL SCHLUMBERGER INC LOVERIDGE ROAD PITTSBURG, CA 94565		
Off-Site Waste Received:	NO		
Land Disposal:	NO		
Incinerator:	NO		
Storage/Treatment:	NO		

VISTA Address*:	STAUFFER CHEMICAL - PITTSBURG PITTSBURG, CA 94565	VISTA ID#:	6830724
STATE SWLF - Solid Waste Landfill / SRC# 3619		Agency ID:	07-CR-0016
Agency Address:	STAUFFER CHEMICAL - PITTSBURG PITTSBURG, CA		
Facility Type:	SOLID WASTE DISPOSAL FACILITY		
Facility Status:	OTHER		
Permit Status:	UNDER REVIEW		

VISTA Address*:	**ALLIED CHEMICAL COMPANY-PITTSBURG** **PITTSBURG, CA 94565**	VISTA ID#:	6830723
STATE SWLF - Solid Waste Landfill / SRC# 3619		Agency ID:	07-CR-0014
Agency Address:	*ALLIED CHEMICAL COMPANY-PITTSBURG* *PITTSBURG, CA*		
Facility Type:	*SOLID WASTE DISPOSAL FACILITY*		
Facility Status:	*OTHER*		
Permit Status:	*UNDER REVIEW*		

VISTA Address*:	**COWELL** **N END LAWSON CT, S END BLACK WALNUT** **CONCORD, CA**	VISTA ID#:	5813261
STATE SWLF - Solid Waste Landfill / SRC# 3619		Agency ID:	07-CR-0023
Agency Address:	*SAME AS ABOVE*		
Facility Type:	*SOLID WASTE DISPOSAL FACILITY*		
Facility Status:	*ARCHIVED SITE*		
Permit Status:	*UNDER REVIEW*		

SITE ASSESSMENT PLUS REPORT
(EXTENDED BY 1/2 MILE)

DESCRIPTION OF DATABASES SEARCHED

A) DATABASES SEARCHED TO 1 1/2 MILES

NPL
SRC#: 3622

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for NPL was April, 1997.

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#: 3172

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for Calsites Database: Annual Workplan Sites was July, 1996.

This database is provided by the Cal. Environmental Protection Agency, Dept. of Toxic Substances Control.

CORRACTS
SRC#: 3713

VISTA conducts a database search to identify all sites within 1.5 mile of your property.
The agency release date for RCRA Corrective Action Sites List was April, 1997.

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.

B) DATABASES SEARCHED TO 1 MILE

CERCLIS
SRC#: 3623

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for CERCLIS was April, 1997.

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.

Cal Cerclis
SRC#: 2462

VISTA conducts a database search to identify all sites within 1 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.

NFRAP
SRC#: 3624

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for CERCLIS-NFRAP was April, 1997.

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.

SCL
SRC#: 3171

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Calsites Database: All Sites except Annual Workplan Sites (incl. ASPIS) was July, 1996.

This database is provided by the Department of Toxic Substances Control.

The CalSites database includes both known and potential sites. Two- thirds of these sites have been classified, based on available information, as needing "No Further Action" (NFA) by the Department of Toxic Substances Control. The remaining sites are in various stages of review and remediation to determine if a problem exists at the site. Several hundred sites have been remediated and are considered certified. Some of these sites may be in long term operation and maintenance.

RCRA-TSD
SRC#: 3713

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for RCRIS was April, 1997.

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.

SWLF
SRC#: 3619

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Ca Solid Waste Information System (SWIS) was April, 1997.

This database is provided by the Integrated Waste Management Board.

The California Solid Waste Information System (SWIS) database consists of both open as well as closed and inactive solid waste disposal facilities and transfer stations pursuant to the Solid Waste Management and Resource Recovery Act of 1972, Government Code Section 2.66790(b). Generally, the California Integrated Waste Management Board learns of locations of disposal facilities through permit applications and from local enforcement agencies.

WMUDS
SRC#: 3373

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Waste Management Unit Database System (WMUDS) was November, 1996.

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).

The WMUDS system also accesses information from the following databases from the Waste Discharger System (WDS): Inspections, Violations, and Enforcements. The sites contained in these databases are subject to the California Code of Regulations - Title 23. Waters.

LUST
SRC#: 3169

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Region #2-North and South Bay SLIC Report was March, 1996.

This database is provided by the Regional Water Quality Control Board, Region #2.

LUST
SRC#: 3676

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Lust Information System (LUSTIS) was April, 1997.

This database is provided by the California Environmental Protection Agency.

LUST
SRC#: 3798

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Region #5-Central Valley SLIC\DOD\DOE List was April, 1997.

This database is provided by the Regional Water Quality Control Board, Region #5.

LUST RG2
SRC#: 3486

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Region #2-San Francisco Bay Fuel Leaks List was February, 1997.

This database is provided by the Regional Water Quality Control Board, Region #2.

LUST RG5
SRC#: 3791

VISTA conducts a database search to identify all sites within 1 mile of your property.
The agency release date for Region #5-Central Valley Undergound Tank Tracking System was May, 1997.

This database is provided by the Regional Water Quality Control Board, Region #5.

CORTESE
SRC#: 2298

VISTA conducts a database search to identify all sites within 1 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.

The California Governor's Office of Planning and Research annually publishes a listing of potential and confirmed hazardous waste sites throughout the State of California under Government Code Section 65962.5. This database (CORTESE) is based on input from the following: (1)CALSITES-Department of Toxic Substances Control, Abandoned Sites Program Information Systems; (2)SARA Title III Section III Toxic Chemicals Release Inventory for 1987, 1988, 1989, and 1990; (3)FINDS; (4)HWIS-Department of Toxic Substances Control, Hazardous Waste Information System. Vista has not included one time generator facilities from Cortese in our database.; (5)SWRCB-State Water Resources Control Board; (6)SWIS-Integrated Waste Management Control Board (solid waste facilities); (7)AGT25-Air Resources Board, dischargers of greater than 25 tons of criteria pollutants to the air; (8)A1025-Air Resources Board, dischargers of greater than 10 and less than 25 tons of criteria pollutants to the air; (9)LTANK-SWRCB Leaking Underground Storage Tanks; (10)UTANK-SWRCB Underground tanks reported to the SWEEPS systems; (11)IUR-Inventory Update Rule (Chemical Manufacturers); (12)WB-LF- Waste Board - Leaking Facility, site has known migration; (13)WDSE-Waste Discharge System - Enforcement Action; (13)DTSCD-Department of Toxic Substance Control Docket.

Deed Restrictions
SRC#: 1703

VISTA conducts a database search to identify all sites within 1 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".

California has a statutory and administrative procedure under which the California Department of Health Services (DHS) may designate real property as either a "Hazardous Waste Property" or a "Border Zone Property" pursuant to California Health Safety Code Sections 25220-25241. Hazardous Waste Property is land at which hazardous waste has been deposited, creating a significant existing or potential hazard to public health and safety. A Border Zone Property is one within 2,000 feet of a hazardous waste deposit. Property within either category is restricted in use, unless a written variance is obtained from DHS. A Hazardous Waste Property designation results in a prohibition of new uses, other than a modification or expansion of an industrial or manufacturing facility on land previously owned by the facility prior to January 1, 1981. A Border Zone Property designation results in prohibition of a variety of uses involving human habitation, hospitals, schools and day care center.

Toxic Pits
SRC#: 2229

VISTA conducts a database search to identify all sites within 1 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 1 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 1 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 3/4 MILE

RCRA-Viols/Enfs
SRC#: 3713

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for RCRIS was April, 1997.

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 3/4 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; Caution-Many states do not require registration of heating oil tanks, especially those used for residential purposes.

AST's
SRC#: 3370

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for Aboveground Storage Tank Database was November, 1996.

This database is provided by the State Water Resources Control Board.

TRIS
SRC#: 3716

VISTA conducts a database search to identify all sites within 3/4 mile of your property.
The agency release date for TRIS was December, 1996.

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 5/8 MILE

ERNS
SRC#: 3513

VISTA conducts a database search to identify all sites within .625 mile of your property.
The agency release date for ERNS was March, 1997.

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 March 1996 revealed information regarding reported spills of oil or hazardous substances in the stated area.

RCRA-LgGen
SRC#: 3713

VISTA conducts a database search to identify all sites within .625 mile of your property.
The agency release date for RCRIS was April, 1997.

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#: 3713

VISTA conducts a database search to identify all sites within .625 mile of your property.
The agency release date for RCRIS was April, 1997.

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

Appendix D
Hazardous Substance Inventory

INVENTORY

Note: 2 lines per entry on separate pages

Entry #	Maximum amount at any one time (c f/gals. etc. etc)	Maximum amount at any one time (convert to pounds)	Average daily Amount (in Lbs)	# Days on site	l s w	Chemical Name / Mixture (Do Not Include MSDSs)	Chemical common name	Mixture or Hazardous Waste Composition by % amount. If a waste, then include the estimated annual amount
001	4,840 cu ft	328	108	365	S	Acetylene	Acetylene	
002	1,452 cu ft	98	98	365	S	Acetylene	Acetylene	
003	968 cu ft	66	66	365	S	Acetylene	Acetylene	
004	968 cu ft	66	66	365	S	Acetylene	Acetylene	
005	55 gals	440	320	365	S	Acrylamide/acrylate polymer	Nalclear 7744 Anionic Polymer	Hydrotreated light distillate, 5%
006	800 gals	7,880	2,200	365	S	Acrylate Polymer	Nalco 8358D Silt Dispersant	Sodium Bisulfite 1-5%, Acrylate Polymer, Water
007	10 gal	100	60	365	S	Acrylic Urethane Enamel	Acrylic Urethane Enamel	NOTE: 1
008	500 gals	4,500	4,500	365	B	Aqueous Ammonia	Aqua Ammonia, ammonium hydroxide	Aqueous Ammonia 8-14%
009	6500 gals	53,000	53,000	365	B	Aqueous Ammonia	Aqua Ammonia, ammonium hydroxide	Aqueous Ammonia 8-14%
010	8,000 lbs	8,000	8,000	365	B	Carbon Dioxide	Carbon Dioxide	
011	8,000 lbs	8,000	8,000	365	B	Carbon Dioxide	Carbon Dioxide	
012	8,000 lbs	8,000	8,000	365	B	Carbon Dioxide	Carbon Dioxide	
013	1900 lbs	1,900	950	365	S	Copper Sulfate	Copper Sulfate	
014	2,226,000 gals	18,000,000	18,000,000	365	B	Cutter Stock	Cutter Stock	Diesel #2, Light cycle oil
015	110 gals	1,100	550	365	S	Degreaser D-Limonene Products	Citra-Zapp, CitraSuper	D-Limonene
016	3,000 lbs	3,000	1,500	365	S	Disodium Phophate	Disodium Phophate	
017	50 gal	500	300	365	S	Enamel Paint	Enamel Paint	NOTE:2
018	50 gal	500	300	365	S	Enamel Paint	Enamel Paint	NOTE:2
019	5000 gal	62,500	62,500	365	S	Ferric Sulfate	Ferralyte	50 % Ferric Sulfate
020	300 gal	3,000	1,500	365	S	Fibrated Asphalt Emulsion	Chil-Brate CP-25	Asphalt, Bentonite, Isopropyl Alcohol
021	1,899 lbs	1,899	1,899	365	S	Fire Resistant Hydraulic Fluid	DEH Fluid - Fyrquel	50% Triaryl Phosphate Esters, 50% trixylenyl phosp
022	522 lbs	522	522	365	S	Fire Resistant Hydraulic Fluid	DEH Fluid - Fyrquel	50% Triaryl Phosphate Esters, 50% trixylenyl phosp
023	3,520 lbs	3,520	3,520	365	S	Fire Resistant Hydraulic Fluid	DEH Fluid - Fyrquel	50% Triaryl Phosphate Esters, 50% trixylenyl phosp
024	100 gal	800	320	365	B	Fuel Oil	Fuel Oil Samples	Complex Hydrocarbon Mixture
025	500,000 gal	4,000,000	4,000,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
026	1,490,000 gal	11,920,000	11,920,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
027	220,000 gal	1,760,000	1,760,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
028	1,543,000 gal	12,344,000	12,340,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
029	220,000 gal	1,760,000	1,760,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
030	220,000 gal	1,760,000	1,760,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
031	6,790,000 gal	54,320,000	54,320,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
032	19,900,000 gal	159,200,000	115,000,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
033	19,900,000 gal	159,200,000	80,000,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
034	19,900,000 gal	159,200,000	87,500,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
035	19,900,000 gal	159,200,000	87,500,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture

INVENTORY

Note: 2 lines per entry on separate pages

Entry #	California Waste Category	Chemical Abstract Service # (CAS)	DOT #	Pure / Mixture (P/M)	Phys. State (S,L,G)	Physical / Health Characteristics					Storage Code	Press. Code	Temp Code	Location Code (on layout or diagram)		Location Description	NFPA
						F	P	R	A	C				Figure	Grid		
001		74-86-2	UN1001	P	G	X	X	X			L	2	4	4	D7	Main Warehouse	
002		74-86-2	UN1001	P	G	X	X	X			L	2	4	6		PPS	
003		74-86-2	UN1001	P	G	X	X	X			L	2	4	4	C7	Welding Shop 1-4 Units	
004		74-86-2	UN1001	P	G	X	X	X			L	2	4	3	D7	Welding Shop 7 Units	
005		64742-47-8		M	L	X			X		D	1	4	2	B5	Near Oil Sludge Tank	
006		7631-90-5		M	L				X		A	1	4	3	D5	U 6&7 Circ Wtr Pps	
007			UN1263	M	L	X			X	X	F	1	4	6	C3	Haz Mtls Storage Building	
008		001336-21-6	UN3082	M	L	X	X		X	X	A	1	4	3	D6	Day Tank U7 Chemical Charging Area	
009		001336-21-6	UN3082	M	L	X	X		X	X	A	1	4	3	D5	Bulk Tank near Unit 7 Polisher	
010		124-38-9	UN1013	P	G		X				L	2	4	4	C5	Between Units 2&3, 9' Elev	
011		124-38-9	UN1013	P	G		X				L	2	4	4	C4	Between Units 5&6, 9' Elev	
012		124-38-9	UN1013	P	G		X				L	2	4	3		Unit 7, 19' Elev	
013		7758-99-8		P	S				X	X	J	1	4	6	C3	Hazardous Material Storage Building	
014			NA1993	M	L	X	X		X	X	A	1	4	8	A4	Cutter Stock Tank, PPP	
015		6989-27-5		M	L	X					C	1	4	6	C3	Hazardous Material Storage Building	
016		7658-79-4	NA9147	P	S				X		J	1	4	4		NOTE: 9	
017			UN1263	M	L	X	X		X		F	1	4	6	C3	Haz Mtls Storage Building	
018			UN1263	M	L	X	X		X		F	1	4	6	C2	PPS I&C Building	
019		10028-22-5	UN1760	M	L			X	X		A	1	4	4	D6	Near Clarifier	
020				M	L				X	X	F	1	4	6	C2	PPS I&C Building	
021				M	L						C	1	4	3		Unit 7	
022				M	L						C	1	4	3	D6	Unit 7, Turbine House	
023				M	L						D	1	4	6	C3	Haz Mtls Storage Building	
024			NA1993	M	L	X			X		F	1	4			North Main Warehouse	
025			NA1993	M	L	X			X		A	1	4	5	E6	No. 1 Fuel Oil Tank	
026			NA1993	M	L	X			X		A	1	4	6	D6	No. 2 Fuel Oil Tank	
027			NA1993	M	L	X			X		A	1	4	6	D5	No. 3 Fuel Oil Tank	
028			NA1993	M	L	X			X		A	1	4	6	C6	No. 4 Fuel Oil Tank	
029			NA1993	M	L	X			X		A	1	4	6	B5	No. 5 Fuel Oil Tank	
030			NA1993	M	L	X			X		A	1	4	5	A5	No. 6 Fuel Oil Tank	
031			NA1993	M	L	X			X		A	1	4	6	C4	No. 7 Fuel Oil Tank	
032			NA1993	M	L	X			X		A	1	4	8	D7	No. 8 Fuel Oil Tank	
033			NA1993	M	L	X			X		A	1	4	8	C8	No. 9 Fuel Oil Tank	
034			NA1993	M	L	X			X		A	1	4	8	C7	No. 10 Fuel Oil Tank	
035			NA1993	M	L	X			X		A	1	4	8	C6	No. 11 Fuel Oil Tank	

Note: 2 lines entry on separate pages

Entry #	Maximum amount at any one time (c.f/gals. etc. etc.)	Maximum amount at any one time (convert to pounds)	Average daily Amount (in Lbs.)	# Days on site	L a w	Chemical Name / Mixture (Do Not Include MSDSs)	Chemical common name	Mixture or Hazardous Waste Composition by % amount. If a waste, then include the estimated annual amount
036	858000 gal	5,250,000	6,100,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
037	19,900,000 gal	159,200,000	80,000,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
038	1,530,000 gal	12,300,000	12,300,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
039	19,900,000 gal	159,200,000	29,000,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
040	16,400,000 gal	131,200,000	28,500,000	365	B	Fuel Oil, #6	Fuel Oil - Low Sulfur & Ash	Complex Hydrocarbon Mixture
041	1,000 gal	8,000	3,240	365	B	Gasoline, Unleaded	Unleaded Gas	Standard Blend
042	1,452 lbs	1,452	1,452	365	S	Helium Gas	Helium	
043	880 lbs	880	880	365	S	Hydrocarbon Based Oils	Hydraulic Oil	Refined Mineral Oils
044	1760 lbs	1,760	880	365	S	Hydrocarbon Mixture	Thinner	Paraffins; Including Napthalenes
045	76,940 cu ft	402	301	365	S	Hydrogen	Hydrogen	
046	7500 lbs	7,500	7,500	365	S	Ion Exchange Resin, anion	Styrene/divinylbenzene (OH forms)	Styrene/divinylbenzene 50%
047	7000 lbs	7,000	7,000	365	S	Ion Exchange Resin, cation	Sulfonated divinylbenzene/styrene(H)	Sulfonated divinylbenzene/styrene 50%
048	50 gal	500	200	365	S	Insulation Coating	Foster Seal - Water Base	Limestone, Emulsifield Asphalt
049	10 gal	85	60	365	S	Isopropyl Alcohol	Isopropyl Alcohol	70%
050	300 gal	3,000	1,500	365	S	Latex Paint	Latex Paint	Ethylene Glycol
051	8,000 gals	65,248	56,228	365	S	Magnesium Oxide	Fuel Oil Additive	Magnesium Oxide,Diesel Fuel,Dispersant
052	10,000 gals	126,000	126,000	365	S	Magnesium Oxide	Fuel Oil Additive	Magnesium Oxide, Diesel Fuel, Dispersant
053	100 lbs	100	46	365	S	Mercury	Metallic Mercury/Quicksilver	
054	1,760,440 lbs	1,760,440	1,760,440	365	S	Mineral Oil	Insulating Oil	Hydrocarbon Based Oils
055	600 gal	5,100	3400 lbs	365	B	Morpholine	Nalco1255 / 1256 (Nalco 92 UM138)	Carbohydrazide 30%, Morpholine 6%(9% 1256)
056	600 gal	5,100	3400 lbs	365	B	Morpholine	Nalco1255 / 1256 (Nalco 92 UM138)	Carbohydrazide 30%, Morpholine 6%(9% 1256)
057	800 gal	6,800	6800 lbs	365	B	Morpholine	Nalco1255 / 1256 (Nalco 92 UM138)	Carbohydrazide 30%, Morpholine 6%(9% 1256)
058	2900 lbs	2,900	2,900	365	S	Mortar	Clay	Sodium Silicate, Kyanite, calcined clay
059	2,800 cu ft	205	205	365	S	Nitrogen	Nitrogen	
060	4,840 cu ft	402	402	365	S	Oxygen	Oxygen	
061	1,694 cu ft	141	141	365	S	Oxygen	Oxygen	
062	968 cu ft	81	81	365	S	Oxygen	Oxygen	
063	968 cu ft	81	81	365	S	Oxygen	Oxygen	
064	110 gals	788	200	365	S	Paint Solvent	Chevron 51 L Solvent	Benzene,Toluene,Petroleum Naptha
065	3 @ 275 gals	7,392	7,392	365	B	Petroleum Distillate	Diesel Fuel	Standard Blend
066	2 @ 375 gals	3,520	3,520	365	B	Petroleum Distillate	Diesel Fuel	Standard Blend
067	500 gals	4,000	2,400	365	B	Petroleum Distillate	Diesel Fuel	Standard Blend
068	2@55gals	880	440	365	S	Petroleum Hydrocarbons	Oil - Shell Omala Oil (150)	NOTE: 3
069	4 @ 55 gals	1,760	880	365	S	Petroleum Hydrocarbons	Oil - Shell Omala	NOTE: 4
070	2@55gals	880	440	365	S	Petroleum Hydrocarbons	Oil - Spirax 85/15	NOTE: 5
071	2@55gals	880	440	365	S	Petroleum Hydrocarbons	Oil - Shell Tellus100	NOTE: 6

Entry #	California Waste Category	Chemical Abstract Service # (CAS)	DOT #	Pure / Mixture (P/M)	Phys. State (S,L,G)	Physical / Health Characteristics					Storage Code	Press. Code	Temp. Code	Location Code (on layout or diagram)		Location Description	NFPA
						F	P	R	A	C				Figure	Grid		
036			NA1993	M	L	X			X		A	1	4	8	D6	No. 12 Fuel Oil Tank	
037			NA1993	M	L	X			X		A	1	4	8	D6	No. 13 Fuel Oil Tank	
038			NA1993	M	L	X			X		A	1	4	8	D5	No. 14 Fuel Oil Tank	
039			NA1993	M	L	X			X		A	1	4		C4	No. 15 Fuel Oil Tank	
040			NA1993	M	L	X			X		A	1	4		B5	No. 16 Fuel Oil Tank	
041		8008-61-9	UN1203	P	L	X			X	X	A	1	4	6	C8	Vehicle fueling, Main Road	
042				P	G		X						4			Throughout Plant	
043			NA1270	M	L						D	1	4	6	D5	Control Building	
044			NA1993	M	L	X			X	X	D	1	4	5	C2	PPS I&C Building	
045		1333-74-0	UN1049	P	G		X				L	2	4	3	C7	Between Units 5&6, 8' Elev - Bulk Hydrogen Storage	
046				M	S				X		I	1	4	2	B3	Butler Bldg Storage	
047		39389-20-3			S				X		I	1	4	2	B3	Butler Bldg Storage	
048				M	L				X		F	1	4	5	C2	PPS I&C Building	
049		67-63-0	UN1219	P	L	X			X		D	1	4	5	C3	Haz Mtls Storage Building	
050			UN1263	M	L				X		F	1	4	5	C3	Haz Mtls Storage Building	
051		1309-48-4	NA1993	M	L	X			X	X	A	1	4	4	D2	Fuel Oil Add Tk, Units 5&6	
052		1309-48-4	NA1993	M	L	X			X	X	A	1	4	3	B6	Fuel Oil Add Tk , Unit 7	
053		7439-97-6	NA2809	M	L				X	X	N	1	4	5	C3	Haz Mtls Storage Building	
054				M	L					X	D	1	4	6	D4	Cont Bldg, A/G Tks, Op Equip, and transformers	
055		110-91-8	NA2054	M	L	X			X		A	1	4	3	D5	Near U7 Sodium Sulfite Tank	
056		110-91-8	NA2054	M	L	X			X		A	1	4	4	C3&C4	Adjacent to Units 5 & 6	
057		110-91-8	NA2054	M	L	X			X		A	1	4	5	C3	Hazmat Storage Building	
058		6834-92-0		M	S				X	X	N,J	1	4	2	B3	Butler Bldg Storage	
059		007-727-379	UN1066	P	G		X				L	2	4	6	D5	Control Room and Transformers	
060		7782-44-7	UN1072	P	G		X				L	2	4	4	D7	Main Ware house	
061		7782-44-7	UN1072	P	G		X				L	2	4	4	C7	Office	
062		7782-44-7	UN1072	P	G		X				L	2	4	4	C7	Weldshop, Units 1-4	
063		7782-44-7	UN1072	P	G		X				L	2	4	3	D7	Weld Shop, Unit 7	
064		108-88-3	UN1294	M	L	X			X	X	D	1	4	5	C2	Haz Mtls Storage Building	
065			NA1993	M	L	X	X		X	X	A	1	4	7		East End of Cooling Canal	
066			NA1993	M	L	X	X		X	X	A	1	4	4	C7	West Side of Unit 4	
067			NA1993	M	L	X	X		X	X	A	1	4	6	C8	Vehicle fueling, Main Road	
068			NA1270	M	L	X			X	X	D	1	4	5	C3	Haz Mtls Storage Building	
069			NA1270	M	L	X			X	X	D	1	4	6	C3	Haz Mtls Storage Building	
070			NA1270	M	L	X			X	X	D	1	4	6	C3	Haz Mtls Storage Building	
071			NA1270	M	L	X			X	X	D	1	4	6	C3	Haz Mtls Storage Building	

Note: 2 line entry on separate pages

Entry #	Maximum amount at any one time (c f/gals. etc. etc.)	Maximum amount at any one time (convert to pounds)	Average daily Amount (in Lbs.)	# Days on site	L a w	Chemical Name / Mixture (Do Not Include MSDSs)	Chemical common name	Mixture or Hazardous Waste Composition by % amount. If a waste, then include the estimated annual amount
072	3@55gals	1,320	880	365	S	Petroleum Hydrocarbons	Oil - Shell Tellus 68	NOTE: 7
073	2@55gals	880	440	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 150	NOTE: 6
074	3@55gals	1,320	880	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 220	NOTE: 6
075	6500gals	49,896	49,896	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
076	6500 gals	49,896	49,896	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
077	6500 gals	49,896	49,896	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
078	6500 gals	49,896	49,896	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
079	7400gals	63,274	63,274	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
080	7400gals	63,274	63,274	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
081	11,760 gals	90,197	90,197	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
082	14,900gals	114,377	60,000	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
083	7500gal	57,572	21,694	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
084	14,900gals	114,377	60,000	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
085	7500gal	57,572	8,678	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
086	7500gal	57,572	8,678	365	S	Petroleum Hydrocarbons	Oil - Shell Turbo 32	NOTE: 7
087	4@55gals	1,760	880	365	S	Petroleum Naphtha	Shell Solvent 140	Paraffins, Aromatics, Cg, Benzene
088	400 gal	3,560	1,780	365	S	Polyacrylic Acid	Nalco 7280-RO Antiscalant	20-40% Product (trade secret)
089	55 gals	440	320	365	S	Polyquaternary Amine	Nalcolyte 8103 Coagulant	
090	50 gal	500	200	365	S	Silicon Alkyd Paint	Silicone Alkyd Paint	Mineral Spirits, Ethyl Ethoxy, Toluene
091	400 gal	4,560	2,260	365	S	Sodium Bisulfite	Nalco 7408-Oxygen Scavenger	40-70% Sodium bisulfite
092	2,000 lbs	2,000	1,500	365	S	Sodium Carbonate	Soda Ash	
093	2,000 lbs	2,000	1,000	365	S	Sodium Hexametaphosphate	Sodium Hexametaphosphate	
094	3,000 lbs	3,000	1,200	365	B	Sodium Hydroxide Solid	Caustic Soda Flake	
095	2,000 lbs	2,000	1,000	365	B	Sodium Hydroxide Solid	Caustic Soda Flake	
096	50,646 lbs	50,646	31,654	365	B	Sodium Hydroxide Solution	Sodium Hydroxide Solution	50%
097	1400 gal	14,000	8,000	365	S	Sodium Hypochlorite	Liquid Bleach	Sodium Hypochlorite 12.5%, Sodium Chloride 0-10%, Sodium Hydroxide 1%, + Water
098	3000 gal	30,000	16,000	365	S	Sodium Hypochlorite	Liquid Bleach	Sodium Hypochlorite 12.5%, Sodium Chloride 0-10%, Sodium Hydroxide 1%, + Water
099	300 gal	3,000	1,500	365	S	Sodium Molybdate	Calgon - MCS Plus 2	Sod Molyb dihydrate 12%, Ethylene glycol 10% Sodium Nitrite 10%, Sod Tetraborate Pentahydrate 2%
100	480 gal	4,800	3,600	365	S	Sodium Molybdate	Calgon - MCS Plus 2	Sod Molyb dihydrate 12%, Ethylene glycol 10% Sodium Nitrite 10%, Sod Tetraborate Pentahydrate 2%
101	3,000 lbs	3,000	1,200	365	S	Sodium Sulfite Solid	Sodium Sulfite Solid	

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Entry #	California Waste Category	Chemical Abstract Service # (CAS)	DOT #	Pure / Mixture (P/M)	Phys. State (S,L,G)	Physical / Health Characteristics					Storage Code	Press. Code	Temp. Code	Location Code (on layout or diagram)		Location Description	NFPA
						F	P	R	A	C				Figure	Grid		
			NA1270	M	L	X			X	X	D	1	4	5	C3	Haz Mtls Storage Building	
072			NA1270	M	L	X			X	X	D	1	4	5	C3	Haz Mtls Storage Building	
073			NA1270	M	L	X			X	X	D	1	4	5	C3	Haz Mtls Storage Building	
074		64742-54-7	NA1270	M	L	X			X	X	C	1	4	4	C5	#1 Lube Oil Reservoir	
075		64742-54-7	NA1270	M	L	X			X	X	C	1	4	4	C6	#2 Lube Oil Reservoir	
076		64742-54-7	NA1270	M	L	X			X	X	C	1	4	4	C5	#3 Lube Oil Reservoir	
077		64742-54-7	NA1270	M	L	X			X	X	C	1	4	4	C6	#4 Lube Oil Reservoir	
078		64742-54-7	NA1270	M	L	X			X	X	C	1	4	4	C4	#5 Lube Oil Reservoir	
079		64742-54-7	NA1270	M	L	X			X	X	C	1	4	4	C3	#6 Lube Oil Reservoir	
080		64742-54-7	NA1270	M	L	X			X	X	C	1	4	3	C5	#7 Lube Oil Reservoir	
081		64742-54-7	NA1270	M	L	X			X	X	C	1	4	3	C5	Lube Oil Dirty Tank, Unit 7	
082		64742-54-7	NA1270	M	L	X			X	X	C	1	4	4	C	Centrifuge Oil Tank, U1-4	
083		64742-54-7	NA1270	M	L	X			X	X	C	1	4	3	C5	Clean Oil Tank, Unit 7	
084		64742-54-7	NA1270	M	L	X			X	X	C	1	4	4	C	Clean Oil Tank, Unit 1-4	
085		64742-54-7	NA1270	M	L	X			X	X	C	1	4	4	C	Dirty Oil Tank, Unit 1-4	
086			UN2831	M	L	X			X	X	D	1	4	6	C3	Haz Mtls Storage Building	
087				M	L			X	X	X	A	1	4	2	B5	Adjacent to RO Building	
088				M	L				X		D	1	4	2	B5	Near Oil Sludge Tank	
089			UN1263	M	L	X			X		F	1	4	6	C3	Haz Mtls Storage Building	
090		7631-90-5	UN2693	M	L	X	X	X	X	X	A	1	4	2	B5	Adjacent to RO Building	
091		497-19-8	NA9189	P	S			X	X		J	1	4	6	C3	Haz Mtls Storage Building	
092		10124-56-8		P	S				X		J	1	4	2,6	B4,C3	Haz Mtls Stg Bldg, RO Bldg	
093		1310-73-2	UN1823	P	S			X	X		D	1	4	4	B2,C5	NOTE: 9	
094		1310-73-2	UN1823	P	S			X	X		J	1	4	6	C3	Haz Mtls Storage Building	
095		1310-73-2	UN1824	P	L			X	X		A	1	4	2,3	B5,D5	Demin U1-6, Demin U7	
096		7681-52-9 7647-14-5 1310-73-2	UN1791	M	L	X			X		A	1	4	4	D6	Wtr Treatmt Clarifier U1-4	
097		7681-52-9 7647-14-5 1310-73-2	UN1791	M	L	X			X		A	1	4	3	D5	U 7 Circ Wtr Pps	
098		10102-40-6 107-21-1 7632-00-0	UN2508	M	L				X	X	E	1	4	4 3	C3,4,5,6 C6	Brg clg wtr tanks U1&2, 3&4, 5,6,7	
099		10102-40-6 107-21-1 7632-00-0	UN2508	M	L				X	X	E	1	4	5	C3	Haz Mtls Storage Building	
100		7757-83-8		P	S				X		J	1	4	4		NOTE: 9	
101																	

INVENTORY

Note: 2 lines per entry on separate pages

Entry #	Maximum amount at any one time (c.f/gals etc. etc.)	Maximum amount at any one time (convert to pounds)	Average daily Amount (in Lbs.)	# Days on site	L a w	Chemical Name / Mixture (Do Not Include MSDSs)	Chemical common name	Mixture or Hazardous Waste Composition by % amount. If a waste, then include the estimated annual amount
102	28,739 lbs	28,739	11,495	365	S	Sodium Sulfite Solution	Sodium Sulfite Solution	12%
103	165 gal	1,650	1,320	365	S	Solvent	Attack	D-limonene, Surfactants, alkylaryl sulfonate
104	360 lbs	360	360	365	B	Sulfuric Acid	Sulfuric acid, Battery electrolyte	29% H2SO4
105	516 lbs	516	516	365	B	Sulfuric Acid	Sulfuric acid, Battery electrolyte	29%
106	20,000 gals	217,648	122,618	365	B	Sulfuric Acid	Sulfuric Acid	93 - 98%
107	784 lbs	784	784	365	B	Sulfuric Acid	Sulfuric acid, Battery electrolyte	29% H2SO4
108	11,760 lbs	11,760	11,760	365	B	Sulfuric Acid	Sulfuric acid, Battery electrolyte	29% H2SO4
109	7,240 lbs	7,240	7,240	365	B	Sulfuric Acid	Sulfuric acid, Battery electrolyte	29% H2SO4
110	575 lbs	575	575	365	B	Sulfuric Acid	Sulfuric acid, Battery electrolyte	29% H2SO4
111	11,000 lbs	11,000	400	365	B	Waste Acids	Corrosive liquids	sulfuric, hydrochloric, chromic, 13,600 #
112	1,160,000 gal	9,628,000	4,150,000	365	S	Waste Air Preheater Pond	Metal Cleaning Waste	Aqueous metal cntaining waste, <1%, 13,340#
113	18,920 lbs	18,920	10,000	365	S	Waste Asbestos	Asbestos Containing Insulation	Asbestos 1-30%, 82,000 lbs (#)
114	664,500 gal	5,515,350	830,000	365	S	Waste Boiler Chem.Clean. Pond	Metal Cleaning Waste	Aqueous metal containing waste, <1%, 0#
115	480,000 gal	3,984,000	1,660,000	365	S	Waste Boiler Chem Rinse. Pond	Metal Cleaning Waste	Aqueous metal containing waste, <1%, 0#
116	12,000 lbs	12,000	3,000	365	S	Waste CA Regulated Only	Waste not regulated by Fed RCRA	Contaminated Rags,cans and Debris, 16,500 lbs
117	2500 gal	21,000	21,000	365	S	Waste cleaner,oil	Attack(D-limonene), oils	attack degreaser, oil, water, 20,840 #
118	120,000 gal	996,000	996,000	365	S	Waste Demineralizer Solutions	Neutralization waste	Corrosive waste (pH>2, pH<12.6)
119	10,000 gal	83,000	83,000	365	S	Waste Demineralizer Solutions	Neutralization waste	Corrosive waste (pH>2, pH<12.6)
120	10,000 lbs	10,000	4,000	365	S	Waste Flyash	Waste flyash, metals	flyash, non RCRA, 13,000 #
121	920 lbs	920	920	365	S	Waste Isopropanol	Waste Isopropanol	Isopropanol 70% Impurities, 920 #
122	50 gals	450	50	365	S	Waste Laboratory Chemicals	Corrosive liquid	NOTE: 10, 300 lbs
123	40,000 lbs	40,000	4,000	365	S	Waste Oil Contaminated Solids	Oil Contaminated Solids	Oil 2-20%, Soil, Rags, Absorbents, Debris,96k#
124	40,000 lbs	40,000	40,000	365	S	Waste Oils	Oils for recycling	Lube Oils, Fuel Oils,water, 320,000 lbs
125	1,000 lbs	1,000	400	365	S	Waste Paint and Water	Waste Latex paint in water	Latex Paint 3 - 10%, 1510 lbs
126	900 lbs	900	500	365	S	Waste Paint related and Contam.Mtl	Latex paint	3,600 lbs
127	7,000 lbs	7,000	500	365	S	Waste Solids, Sand	Metals, D004,D006 - D010	Metals Contaminated Solids, 7700 lbs
128	1,500 lbs	1,500	400	365	S	Waste Solvents	Waste Solvents	Toluene,Thinner,Petroleum Naptha,1500 lbs
129	450 lbs	450	450	365	S	Waste Wet Cell Batteries	Waste Batteries	Sulfuric Acid 29%, Lead Plates, 850 lbs
	78,501,000 gal	628,008,000	500,000,000			summary of Fuel Oil #6, items 25-40		
						due to transfer operations with tanks, maximums		
MAX TOTAL LBS		669,788,341				do not occur on all tanks simultaneously for a day		

Entry #	California Waste Category	Chemical Abstract Service # (CAS)	DOT #	Pure / Mixture (P/M)	Phys. State (S,L,G)	Physical / Health Characteristics					Storage Code	Press. Code	Temp. Code	Location Code (on layout or diagram)		Location Description	NFPA
						F	P	R	A	C				Figure	Grid		
102		7757-83-8		P	L				X		A	1	4	3	D5	Sodium Sulfite Storage Tank, Unit 7	
103		68647-72-3		M	L						A	1	4	5	C3	Haz Mtls Storage Building	
104		7664-93-9	UN2794	P	L	X		X	X	X	R	1	4	7		7-1& 7-2, Cooling Tower Load Ctr.	
105		7664-93-9	UN2794	P	L	X		X	X	X	R	1	4	7		Diesel Fire Pump House	
106		7664-93-9	UN1830	P	L	X		X	X	X	A	1	4	2,3	D5,D5	Demin U1-6, Demin U7	
107		7664-93-9	UN2794	P	L	X		X	X	X	R	1	4	6	D5	Control Building - Switchyard	
108		7664-93-9	UN2794	P	L	X		X	X	X	R	1	4	3	C6	U7 Battery Room, 9' Elev	
109		7664-93-9	UN2794	P	L	X		X	X	X	R	1	4	4	C6	Battery Rms, Between U2 & U3	
110		7664-93-9	UN2794	P	L	X		X	X	X	R	1	4	3		Unit 7, 19' Elev	
111	791			M	L			X	X	X	R	1	4	5	C3	Haz Waste Storage Building	
112	131,171,571			M	L					X	R	1	4	2	C6	Surface Impoundment	
113	151		UN9189	M	S					X	J	1	4	5	C2	Asbestos Waste Dumpsters	
114	131,171			M	L					X	R	1	4	2	C6	Surface Impoundment	
115	131,171			M	L					X	R	1	4	2	B6	Surface Impoundment	
116	181,512,513,611		UN9189	M	S				X		D,O	1	4	5	C3	Haz Waste Storage Building	
117	223			M	L						D,R	1	4	5	C3	Haz Waste Storage Building	
118	121,131			M	L					X	R	1	4	2	B6	Surface Impoundment	
119	121,131			M	L					X	A	1	4	3	D5	Conditionally Exempt Tank Unit #7	
120	571			M	S				X	X	D,R	1	4	5	C3	Haz Waste Storage Building	
121	343		UN1219	M	L				X		D	1	4	5	C3	Haz Waste Storage Building	
122	551		UN9188	M	L	X		X	X	X	D,E	1	4	5	C3	Haz Waste Storage Building	
123	223, 611		UN9189	M	S				X		D,O	1	4	5	C3	Haz Waste Storage Building	
124	221		NA1993	M	L				X		D,A	1	4	2,5	B5,C3	Waste Oil Tk	
125	135		UN9188	M	L				X		D	1	4	5	C3	Haz Waste Storage Building	
126	291		UN9188	M	L				X		D	1	4	5	C3	Haz Waste Storage Building	
127	181		UN9189	M	S				X	X	D,O	1	4	5	C3	Haz Waste Storage Building	
128	213, 214		UN1255	M	L	X			X	X	D	1	4	5	C3	Haz Waste Storage Building	
129	141		UN2794	M	L	X		X	X	X	K,D	1	4	5	C3	Haz Waste Storage Building	
	a:\appr1bs.xls																

NOTES TO BUSINESS PLAN INVENTORIES

NOTE 1: ACRYLIC URETHANE ENAMEL COMPOSITION
Resin solution, titanium dioxide, cellosolve acetate, xylol, MIBK, chromium oxide.

NOTE 2: ENAMEL PAINT COMPOSITION
Composition can be varied depending on the manufacturer but may include any of all of the following: acetone, xylene, toluene, mineral spirits, stabilized methylene chloride, VM&P naptha, propane, isobutane, isobutanol.

NOTE 3: OIL-OMALA 150 COMPOSITION
Solvent refined, hydrotreated, heavy paraffinic distillate, solvent refined hydrotreated residual oil.

NOTE 4: OIL-OMALA 680 COMPOSITION
Solvent refined, hydrotreated residual oil, solvent dewaxed residual oil.

NOTE 5: OIL-SPIREX 85/14 DEP COMPOSITION
Solvent refined, hydrotreated residual oil, solvent refined hydrotreated, dewaxed heavy paraffinic distillate, severely hydrotreated heavy naphthenic distillate.

NOTE 6: OIL-TELLUS 100, OIL-TURBO 150 AND TURBO 220 COMPOSITION
Solvent refined, hydrotreated heavy paraffinic distillate, solvent refined hydrotreated residual oil.

NOTE 7: OIL-TELLUS 68 AND TURBO 32 COMPOSITION
Solvent refined hydrotreated heavy parafinnic distillate.

NOTE 8: TRIPOXY PARTS A AND B COMPOSITION
Part A: Resin solution, titanium dioxide, cellosolve, butyl cellosolve, urea res/solution, xylol.
Part B: Resin solution, butanol, butyl cellosolve, toluol.

NOTE 9: DISODIUM PHOSPHATE AND SODIUM HYDROXIDE SOLID AND SODIUM SULFITE SOLID LOCATIONS.
1. NW of Unit 7 Power Building
2. E of Unit 1 - 6 Demineralizers
3. Hazardous Materials Storage Building
4. Between Units 2 and 3/35' Elevation
5. Between Units 5 and 6/35' Elevation

NOTE 10: LABORATORY WASTE CHEMICALS
Spent acid solutions, spent base solutions, molybdate solutions, sodium chromate solution, salts, spent solvents, aged or surplus organics, aged or surplus inorganics.

NOTE 11: MAXIMUM CAPACITY OF LARGEST CONTAINER
The maximum capacity of the largest container for each hazardous material listed in the Inventory is:

Compressed Gas Cylinders - 242 cu. ft.

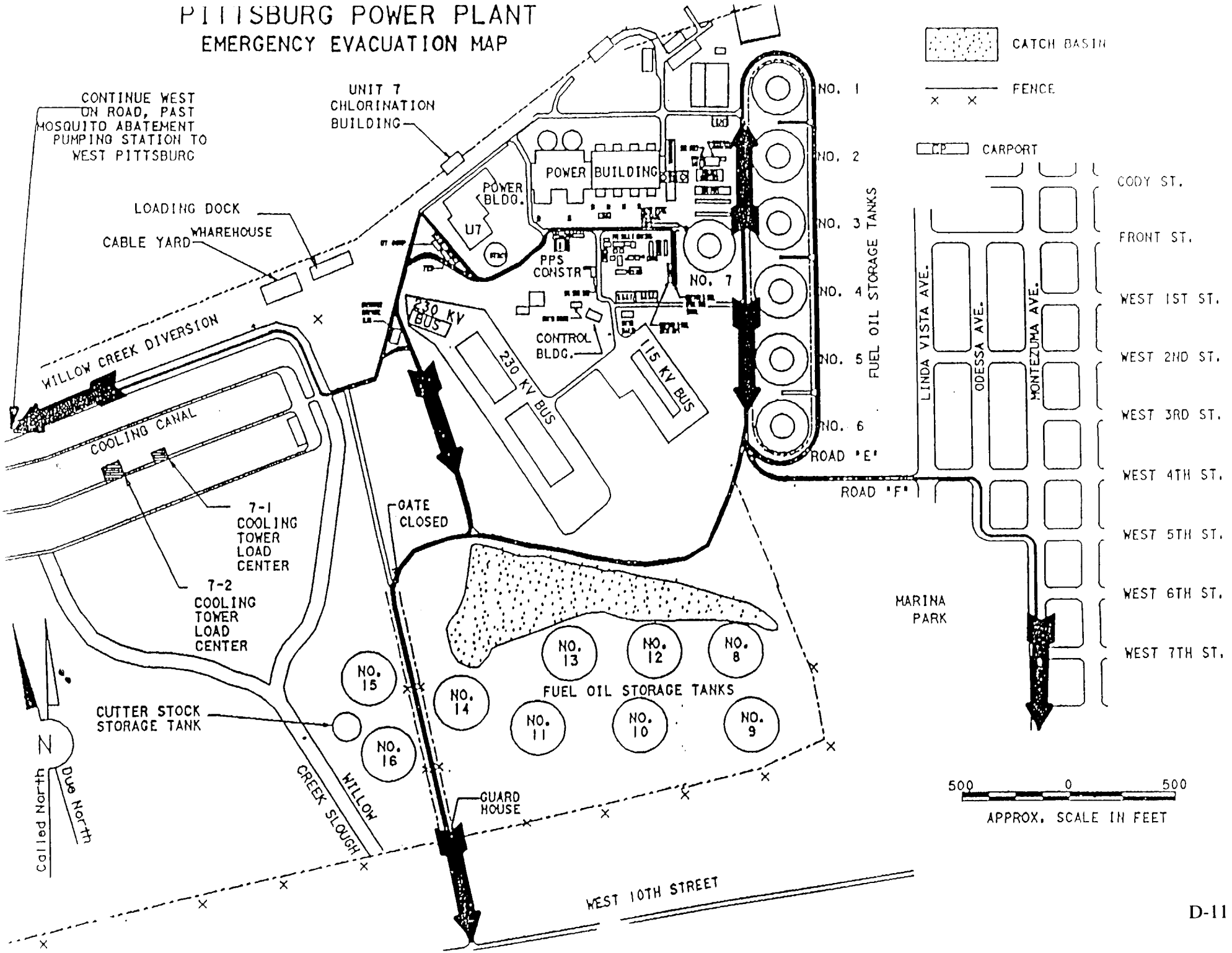
Drummed Materials (D) - 55 gals

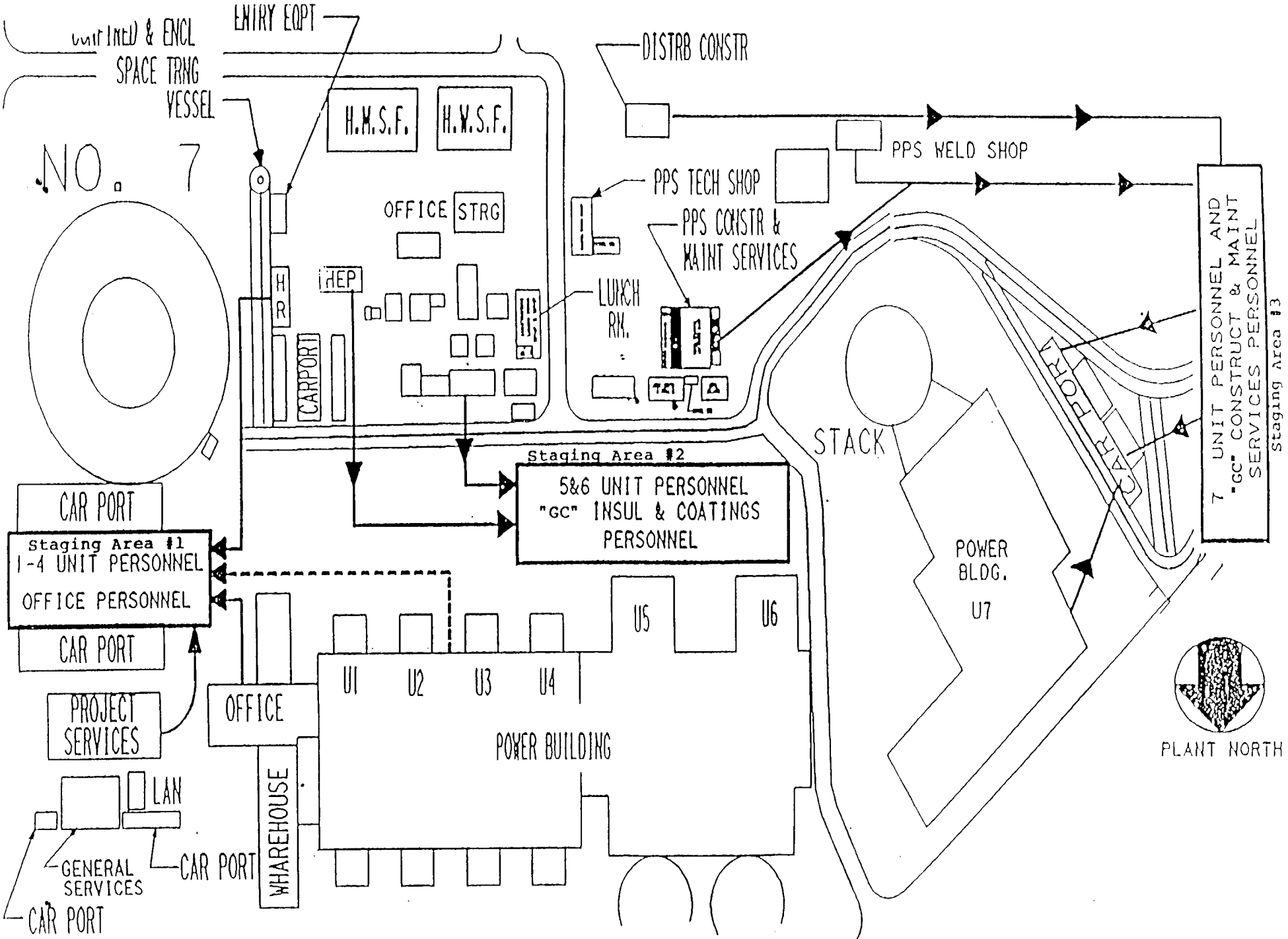
Tanks (A) - the largest capacity listed for the material in the Maximum column, unless otherwise noted, Nalco liquibins 200 & 400 gal

Fuel Oil Tanks 1-6 6,540,000 gals, FO Tank 7 6,790,000 gals,

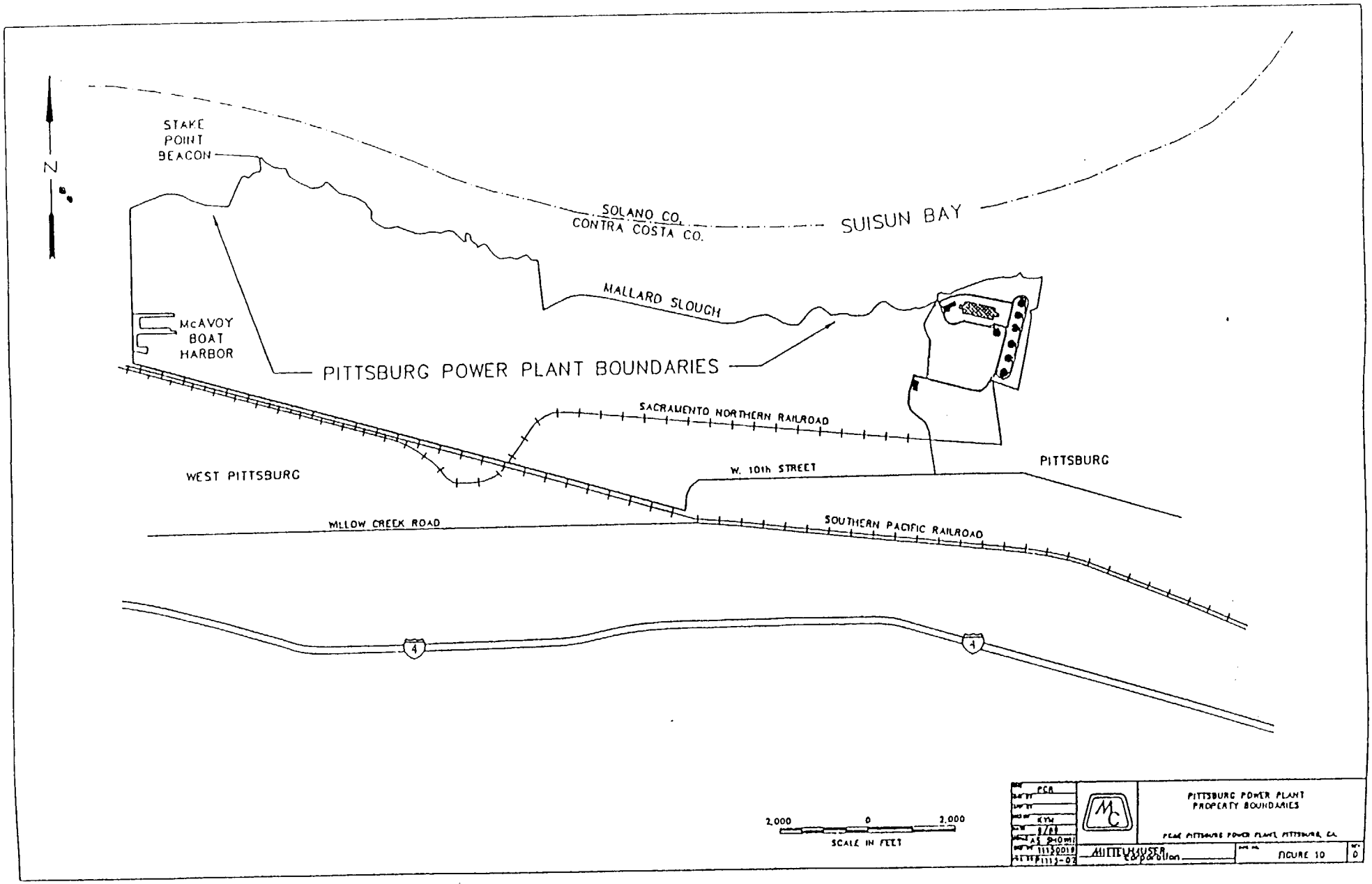
Fuel Oil Tanks 8-15 19,900,000 gals, FO Tank 16 16,400,000 gals

4.0 SITE LAYOUT AND FACILITY DIAGRAMS


PITTSBURG POWER PLANT
EMERGENCY EVACUATION MAP
CONTINUE WEST ON ROAD, PAST MOSQUITO ABATEMENT PUMPING STATION TO WEST PITTSBURG
UNIT 7 CHLORINATION BUILDING
POWER BUILDING
POWER BLDG.
U7
LOADING DOCK
WHAREHOUSE
CABLE YARD
PPS CONSTR
NO. 7
230 KV BUS
CONTROL BLDG.
230 KV BUS
115 KV BUS
WILLOW CREEK DIVERSION
COOLING CANAL
7-1 COOLING TOWER LOAD CENTER
7-2 COOLING TOWER LOAD CENTER
GATE CLOSED
NO. 1
NO. 2
NO. 3
NO. 4
NO. 5
NO. 6
FUEL OIL STORAGE TANKS
ROAD 'E'
ROAD 'F'
CATCH BASIN
FENCE
CP
CARPORT
CODY ST.
FRONT ST.
WEST 1ST ST.
WEST 2ND ST.
WEST 3RD ST.
WEST 4TH ST.
WEST 5TH ST.
WEST 6TH ST.
WEST 7TH ST.
LINDA VISTA AVE.
ODESSA AVE.
MONTEZUMA AVE.
MARINA PARK
NO. 13
NO. 12
NO. 8
NO. 15
NO. 14
NO. 11
NO. 10
NO. 9
NO. 16
FUEL OIL STORAGE TANKS
CUTTER STOCK STORAGE TANK
N
Called North
Due North
WILLOW CREEK SLOUGH
GUARD HOUSE
WEST 10TH STREET
500 0 500
APPROX. SCALE IN FEET



EMERGENCY EVACUATION STAGING AREA


N
STAKE POINT BEACON
SOLANO CO.
CONTRA COSTA CO.
SUISUN BAY
MALLARD SLOUGH
McAVOY BOAT HARBOR
PITTSBURG POWER PLANT BOUNDARIES
SACRAMENTO NORTHERN RAILROAD
WEST PITTSBURG
W. 10th STREET
PITTSBURG
WILLOW CREEK ROAD
SOUTHERN PACIFIC RAILROAD
4
4
2,000
0
2,000
SCALE IN FEET
PITTSBURG POWER PLANT
PROPERTY BOUNDARIES
MITSUBISHI Corporation
FIGURE 10