GERAGHTY & MILLER, INC.
Environment and Infrastructure

a heidemij company

September 9, 1997
CA0291.001.004

Mr. John Tinker
Attorney
Southern California Edison
2244 Walnut Grove Avenue
Rosemead, California 91770

Subject: Amendment Letter to Highgrove Generating Station Phase II Environmental Site Assessment

Dear Mr. Tinker:

Geraghty & Miller, Inc. (Geraghty & Miller) has prepared this letter to provide supplemental information and clarification of issues regarding specific site features at the Highgrove Generating Station. This letter serves as an addendum to the Southern California Edison (Edison) Highgrove Generating Station Phase II Environmental Site Assessment (ESA) (Geraghty & Miller 1997), dated June 6, 1997. The Phase I ESA (CH2M Hill 1997), dated May 1997, was prepared based on observations and reported conditions at the site visit performed on June 10, 1996. The Phase II ESA (Geraghty & Miller 1997) was prepared following review of the Phase I ESA and upon discovery of additional information regarding the Highgrove Generating Station.

In reference to known hazardous waste releases or disposal, the Phase I Report notes that Edison staff were not aware of any spills of petroleum or hazardous materials at the site (CH2M Hill 1997, page 26). In the Phase II report, Section 3.3.16, Acid Sludge Disposal Area, notes that residue from acid/caustic tanks had been disposed on site. Impacted soil from this disposal area was subsequently excavated and removed by Edison. As per the Phase II ESA, no further action is recommended at this feature.

Following final submittal of the Phase II ESA, Geraghty & Miller discovered that Edison was issued a tiered permit for container puncturing and crushing at the Highgrove Generating Station by the Department of Toxic Substances Control (DTSC). This DTSC permit authorizes puncturing and crushing of aerosol cans, containers, and drums of 110-gallon capacity or less. Because this permitted activity has potential for environmental impact, investigation of the container puncturing location is included with the Phase II ESA, as amended with this letter.

On August 21, 1997, Geraghty & Miller inspected the container puncturing location in the Hazardous Waste Storage Area. The area was indoors with a concrete floor and little evidence of staining. The closest sampling conducted during the Phase II investigation included a Hazardous Waste Storage Area boring located east of the Hazardous Waste Storage Area (Geraghty & Miller 1997, Figure 2 boring HW-1). Samples were collected at 1 and 5 feet below ground surface (bgs) and analyzed for volatile organic compounds (VOCs) by United States

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Environmental Protection Agency (USEPA) Method 8260, total petroleum hydrocarbons by modified USEPA Method 8015, and pH by USEPA Method 9045. Results of these analyses did not indicate environmental impact.

Based on the analytical results and visual inspection of the container crushing location, no further action is recommended at this area.

If you have any further questions, please contact Ms. Lisa Hall at (626) 332-8010.

Sincerely,
GERAGHTY & MILLER, INC.

for Lisa A. Hall, P.E.
Senior Engineer
Project Manager

Lorraine C. Council
Managing Vice President
Regional Manager

LAH:cg

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HIGHGROVE GENERATING STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT
June 6, 1997

Submitted to
Southern California Edison Company
P.O. Number: C4096905

Geraghty & Miller Project No. CA0291.001.004

Prepared by:

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Revision: Final

SIGNATURE PAGE

HIGHGROVE GENERATING STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 6, 1997

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EXECUTIVE SUMMARY

At the request of Southern California Edison (Edison), Geraghty & Miller, Inc. (Geraghty & Miller) performed a Phase II Environmental Site Assessment (ESA) of the Highgrove Generating Station located at 12700 Taylor Street in Grand Terrace, California (Figure 1, Site Location, and Figure 2, Site Layout and Sample Locations). The Highgrove property has been operated by Edison as an electric generating station since 1964. The Phase II ESA was performed to evaluate the environmental condition of the Highgrove Generating Station by investigating further evidence of "recognized environmental conditions" and "areas of potential concern" identified in the Phase I ESA Report (CH2M Hill 1997) and during performance of the Phase II investigation. The primary objective of the Phase II ESA was to determine whether any action is required to address hazardous substances or petroleum products at locations identified during performance of the Phase II ESA as recognized environmental conditions and areas of potential concern at the Highgrove Generating Station and adjacent Edison-owned properties. A secondary objective was to obtain initial information pertaining to the nature and extent of contaminants identified.

To address these objectives, the following major activities were conducted:

- A review of readily available existing documentation of past and present site usage and of relevant investigations, including review of both available Edison and regulatory agency files.
- Interviews with appropriate Edison staff to obtain additional information and the status of on-going investigations.
- Preparation and implementation of a sampling and analysis plan to investigate the potential for contamination in soil and groundwater (see Section 1.1, Purpose and Scope) and, if contamination was detected, to provide information regarding the nature and extent of contamination, where possible within the scope of the Phase II investigation. Concentrations of chemical constituents were compared to predetermined screening criteria to evaluate their significance.

The methods, results, conclusions, and recommendations of the Phase II ESA are presented in this report. At Edison's request, groundwater sampling and analysis were outside the scope of work for this Phase II investigation. The following is a brief summary of the results and conclusions of the Phase II ESA:

- A total of 26 site features, with the potential for historic or current releases of hazardous substances or petroleum products at the Highgrove Generating Station and adjacent Edison-owned properties, have been identified on the basis of a Phase I ESA (CH2M Hill 1997) and on the basis of site visits, interviews with Edison staff, and historic document review conducted by Geraghty & Miller.
- Three of the site features were not addressed in the Phase II scope of work because of on-going, concurrent investigations that are being conducted independently by Edison. As a result, no conclusions are drawn in this Phase II ESA for these four site features.

- Two of the site features are related to groundwater issues. Because the Phase II ESA scope was limited to review of available documents only, no recommendations are made in connection with groundwater issues for these two site features.
- Four of the site features were combined with other site features during the Phase II investigation.
- Five site features were identified as having arsenic concentrations in soil above the screening criteria. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.
- Four of the site features are recommended for no further action at this time; however, agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning.
- Eight site features are recommended for no further action based on results of the sampling conducted during the Phase II investigation.

Based on the data validation conducted for this Phase II ESA, the quality of analytical work performed was acceptable and was sufficient to meet the requirements of the Sampling and Analysis Plan (SAP) and the Quality Assurance Project Plan (QAPP). The overall project data objective, to collect data of technical soundness and legal defensibility, was achieved.

1.0 INTRODUCTION

Southern California Edison (Edison) owns and operates an electric generating station located at 12700 Taylor Street in Grand Terrace, California, (Figure 1, Site Location). At the request of Edison, CH2M Hill conducted a Phase I Environmental Site Assessment (ESA) of the Highgrove Generating Station (CH2M Hill 1997) to achieve the following objectives:

- Provide factual information that may be considered in an appraisal of the facility and adjacent property.
- Provide factual information that may be factored into an application for rate recovery in connection with the environmental conditions at the facility.
- Assist in providing full disclosure of environmental conditions to prospective buyers of the facility.

The Phase I ESA identified several "recognized environmental conditions" and areas of potential concern. Pursuant to the American Society for Testing and Materials (ASTM) Standards on Environmental Site Assessments for Commercial Real Estate, E 1527-94, a "recognized environmental condition" means 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.

Because evidence of several recognized environmental conditions and areas of potential concern were identified in the Phase I ESA, Edison requested that Geraghty & Miller, Inc. (Geraghty & Miller) perform a Phase II ESA at the Highgrove Generating Station. This report presents the findings of the Phase II ESA and is organized into the following general sections:

- INTRODUCTION—This section presents the purpose and scope of the Phase II ESA, a description of the facility, and a summary of the site features investigated.
- METHODOLOGY—This section presents a summary of previous environmental investigations, interviews conducted with Edison staff, and a summary of the basis of work and field activities performed at the Highgrove Generating Station.
- RESULTS AND DATA EVALUATION—This section presents a summary of the data and findings, including: a summary of the local topography, geology and hydrogeology, sample analytical results, and data validation documentation. This section also describes the criteria used to screen the analytical data and provides an assessment of environmental conditions.
- CONCLUSIONS AND RECOMMENDATIONS—This section summarizes the

findings and conclusions of the Phase II ESA and provides recommendations on a feature- or area-specific basis.

- LIMITATIONS—This section provides the limitations on the information and data collected for the Phase II ESA.
- REFERENCES—This section lists bibliographic information on references cited in the Phase II ESA.

1.1 Purpose and Scope

The purpose of the Phase II ESA performed at the Highgrove Generating Station was to evaluate the environmental condition of the facility by investigating further evidence of recognized environmental conditions and areas of potential concern identified in the Phase I ESA Report (CH2M Hill 1997) and during performance of the Phase II ESA. The primary objective of the Phase II ESA was to determine whether any action is required to address hazardous substances or petroleum products at locations identified as recognized environmental conditions and areas of potential concern at the Highgrove Generating Station and adjacent Edison-owned properties. A secondary objective was to obtain initial information pertaining to the nature and extent of contaminants identified.

To address these objectives, the following major activities were conducted:

- A review of readily available existing documentation of past and present site usage and relevant investigations, including review of available Edison and regulatory agency files;
- Interviews with appropriate Edison staff to obtain additional information and the status of on-going investigations; and
- Preparation and implementation of a Sampling and Analysis Plan to investigate the potential for contamination in soil and, if contamination was detected, to provide information regarding the nature and extent of contamination, where possible within the scope of the Phase II investigation. The following sampling and analysis program was implemented at the Highgrove Generating Station:
  - Forty-nine soil borings were advanced using a hand auger or a hollow stem auger drill rig;
  - Fifty-nine soil samples were collected from these soil borings and analyzed for constituents that would be expected to be associated with generating station activities at each location being investigated; and
  - Concentrations of chemical constituents were compared to predetermined screening criteria to evaluate their significance.
- Groundwater investigation was limited to reviews of available documentation and Santa Ana Watershed Project Authority (SAWPA) files and interviews with Edison and Riverside Highland Water Company (RHWC) personnel, because of on-going concurrent investigations that are being conducted independently by Edison.

1.2 Site Location and Description

Edison currently owns and operates an electric generating station in the Highgrove area of Grand Terrace, California. The location of the facility is shown in Figure 1. The generating station facilities and site layout are shown in Figure 2.

The Highgrove Generating Station is located at 12700 Taylor Street in Grand Terrace, California. The station is approximately 20 acres in size occupying the western portion of several Edison-owned parcels shown in Figure 3. The southernmost parcel is known as Cage Park. The Edison-owned parcels north and east of the Highgrove Generating Station are currently leased for agricultural use. The station is located approximately 1 mile east of Interstate (I)-215, and 4 miles south of I-10.

Land use in the area is mixed agricultural, light industrial, and residential. The nearest residences are southeast of the site and are located approximately one block east of the site on Main Street. Vacant land, owned by Edison, is located north of the site. South of the Highgrove Generating Station is an RHWC building, Cage Park, a warehouse, and Main Street, south of which is the Cobb Company, an aluminum door, molding, and window manufacturer. West of the site is a main line of the Atchison Topeka & Santa Fe (AT&SF) railroad and the Riverside Canal, beyond which is an aluminum recycler and a construction contractor's storage yard. The AT&SF is currently named the Burlington Northern & Santa Fe (BN&SF) railroad due to a recent merger, however Geraghty & Miller uses the AT&SF name for consistency with site maps and United States Geological Survey (USGS) quadrangle maps. East of the Highgrove Generating Station is a Southern Pacific railroad spur, beyond which is the Taylor Lumber Company. A former plating company, a documented hazardous waste site, is located east of the site, at the corner of Taylor and Main Streets (see Section 2.3.2). Agricultural land is due east and northeast of the facility, beyond which is a small shopping mall further to the northeast.

The Highgrove Generating Station consists of four natural gas or fuel-oil fired electric generating units. Units 1 and 2 are rated at 33 megawatts (MW) each; units 3 and 4 are 44 MW each. The station was built in 1952 by California Electric. Edison subsequently obtained the station as part of a merger in 1964. Currently, the station operates on an as-needed basis, and uses natural gas as its primary fuel source.

The predominant structures located on the property include large cooling towers, aboveground steel tanks storing petroleum products; process units that include boilers, tanks, and various mechanical equipment and vessels; Retention Basins; and buildings used for offices and control and maintenance operations.

The term Powerblock refers to the part of the generating station where energy is converted from a fuel (fuel oil, distillate, or natural gas) to electricity. Contained within the Powerblocks are various structures (such as battery rooms, lube oil rooms, elevators, various sumps, and control rooms) and equipment (such as boilers, pre-heaters, blowers, and turbines).

For purposes of this assessment, various engineered installations within the generating station facility and some separable areas of potential environmental concern within or adjacent to the property owned by Edison (as listed in Table 1) are referred to as "features," and are evaluated individually in this report.

2.0 METHODOLOGY

This section presents a summary of relevant work previously performed at the facility, interviews conducted with Edison staff, and a summary of the basis of work and field activities performed at the Highgrove Generating Station.

2.1 Summary of Previous Environmental Site Investigations

Based on review of the Phase I ESA for the Highgrove Generating Station (CH2M Hill 1997) and other site documents made available to Geraghty & Miller by Edison and a site walk conducted by Geraghty & Miller, evidence of several recognized environmental conditions, as well as areas of potential concern, was noted at the site and at properties adjoining the site. Table 1 presents a summary of the site features investigated, and how these features were addressed through implementation of the Phase II work scope. Table 2 summarizes available information from previous site investigations, including areas investigated, media sampled, analyses conducted, analytical results, and reference documents containing the data. The Phase II work scope is not elaborated upon in this section.

A summary of each previous investigation is included in Section 3.3, Field Activities, Sample Results, and Assessment of Site Conditions, under the name of the location or site feature evaluated in the particular previous investigation. The following subsections of Section 3.3 include a brief description of pertinent previous investigation and note significant results.

- Section 3.3.4 Underground Storage Tanks;
- Section 3.3.5 Aboveground Storage Tanks;
- Section 3.3.6 Tank Containment Structures;
- Section 3.3.7 Transformers;
- Section 3.3.9 Plant Wastewater Discharge/Surface Water Discharge;
- Section 3.3.20 Demineralizer Sump;
- Section 3.3.21 Agricultural Area (East Parcel); and
- Section 3.3.23 Agricultural Area (North Parcel).

2.2 Interviews Conducted

On September 30, 1996, representatives of Geraghty & Miller participated in a teleconference with a representative of Edison to inquire about details associated with the Highgrove, San Bernardino, and Etiwanda Generating Stations (Edison 1996a).

The conversation that ensued covered topics related to Edison's on-going investigations associated with the Retention Basins, and miscellaneous related site information. The issues discussed and questions asked included:

- Geraghty & Miller requested information regarding the scope of Edison's on-going Retention Basin investigation and the status of these investigations at the Highgrove Generating Station (see Figure 2 for sample locations).

- Edison responded that Edison is under order by the Department of Toxic Substances Control (DTSC) to investigate the possibility that past discharges to the Retention Basins could have involved wastewater with pH values less than 2. Edison has negotiated a Leak Detection Program with DTSC in lieu of a groundwater monitoring program, as outlined in the Leak Detection Investigation Work Plan (Edison 1996b). Work associated with this program began in December 1995 and includes a soil vapor survey and soil sampling and analysis program conducted at the East and West Retention Basins at the Highgrove Generating Station. Because investigation of the Retention Basins is on-going, assessment of such areas was not included in the Phase II ESA.
- Edison reported that the compound trichloroethene (TCE) was detected in soil vapor in the west Retention Basin area, whereas no volatile organic compounds (VOCs) were detected at the East Retention Basin. The only significant soil finding reported by Edison was low pH in soils between the Acid/Caustic Tanks and the Demineralizer Sump.

- Geraghty & Miller inquired about general site conditions at the Highgrove Generating Station.
  - The Edison representative replied that caliche has been encountered at shallow depths across the site, and such material may create complications for a hand augering program.

A second, informal site interview was conducted at the Highgrove Generating Station on October 23, 1996 between Geraghty & Miller and Edison at the Highgrove Generating Station. The issues discussed and questions asked included (Edison 1996c):

- Geraghty & Miller requested information regarding the backfilled soil borings located in the roadway adjacent to the Aboveground Storage Tanks (see Section 3.3.5).
  - The Edison representative had no knowledge of any information associated with these borings.
- Geraghty & Miller inquired about the designations of the four on-site water supply wells, and one off-site water supply well identified in boring logs supplied to Geraghty & Miller by Edison.
  - The Edison representative replied that the off-site well was listed in Edison records as well 2S/4W-05M01S, and is referred to as the Pico Street Well. He added that between 75 to 100 gallons of oil had at one time leaked into the Pico Street Well as a result of a leaking bearing oil supply line. Edison documents provided the numbering system for on-site wells, designated as wells #1 through #4 (Figure 2).
- Geraghty & Miller inquired about the drainage system at the site, details surrounding manhole #6 drainage, and details associated with the 14-inch aboveground water pipeline along the western site margin (Figure 2).
  - The Edison representative replied that the western site margin pipeline was formerly used to convey well water to the site before on-site wells

were constructed and used, and has since been abandoned. The cooling tower discharge pond effluent is reportedly directed to the Santa Ana River, while manhole #6 and the north property culvert drain into either the Riverside Canal along the west property line, or to the Santa Ana River.

- Geraghty & Miller inquired whether any transformer, capacitor, or circuit breaker has ever blown up at the property.
  - The Edison representative was not aware of any equipment failures or releases of this nature.
- Geraghty & Miller inquired about the timeframe in which the facilities now present at the site were constructed, and details associated with these facilities.
  - Mr. The Edison representative California Electric built the generating station in 1952, which had since been transferred to Edison through a merger. A farmhouse used to exist at the current front office location. Reportedly, a wastewater sump was located due west of the office in the gravel filled area surrounding well #1 (Figure 2). Additionally, Edison pointed out what he believed to be the approximate location of the Septic System (in the area east of the East Retention Basin), and indicated the Septic Tank was likely constructed of concrete.
  - Subsequent to the interview, Geraghty & Miller obtained two site construction diagrams which indicated the locations of a Septic System and associated Seepage Pits at the Highgrove Generating Station. The first construction diagram labeled Piping Plan Plant and Sewer Drains, by Fluor Corp. (Drawing #5238-L4-5501, Rev. 3), placed the Septic System and associated Seepage Pits between the East and West Retention Ponds. The second diagram labeled Sewage Disposal for Control House and Office Building, by Fluor Corp. (Drawing #5146-L4-379, Rev. 3), indicated a tie-in from the Septic Tank to two Seepage Pits extending to at least 50 feet below ground surface (bgs). A limited excavation in the reported area of the Seepage Pits confirmed the locations provided on the construction drawings.

An informal telephone interview was conducted on February 14, 1997, between Mr. David Springer of Geraghty & Miller and a representative from the RHWC. The issues discussed and questions asked included (RWHC 1997):

- Geraghty & Miller requested information regarding the presence of groundwater production wells in the vicinity of the Highgrove site.
  - The RWHC representative replied that the RHWC operates a well located on the northwest corner of the intersection of Main Street and Taylor Street, due south and adjacent to the Highgrove site. This well is identified by State number 2S/4W-06R01S, and is designated by RHWC as Well RN#7. Well RN#7 is screened from 80 to 380 feet bgs, and pumps from the aquifer which also underlies the Highgrove site. The depth to groundwater in May 1996 from Well RN#7 was reportedly 98 feet bgs (848.92 feet above mean sea level [amsl]). During pumping, the water

level reportedly drops to between 108 to 111 feet bgs. Well RN#7 typically pumps continuously for 10 months out of each year during the agricultural season, with a reported annual groundwater production of 16 acre-feet.

- The RWHC representative further added that two City of Riverside groundwater production wells are located approximately 100 to 200 feet north of the northern Edison property line along Van Buren Avenue. These wells are identified as Van Buren Wells #01 and #02. The depth to groundwater in May 1996 in these wells (during pumping) was approximately 167.3 and 140.8 feet bgs, respectively (792.7 and 819.2 feet amsl, respectively). Groundwater flow in the vicinity of the Highgrove site is southwesterly, generally subparallel to the Santa Ana River.

- Geraghty & Miller requested information regarding the presence of groundwater impacts in any groundwater production wells in the vicinity of the Highgrove site.
  - The RWHC representative replied that the RHWC Well RN#7 currently meets Department of Health Services (DHS) domestic water quality standards. He also mentioned that a groundwater production well formerly operated by the University of Riverside for agricultural use has been taken out of use due to metals impacts. This well is reportedly located approximately 600 feet south of the Highgrove site, approximately downgradient from the K&N Plating hazardous waste site, which has reportedly caused metals impacts to groundwater.

Additional information was obtained during various site visits. An Edison representative indicated that coal tar was historically burned in boiler #4 within the Powerblock. However, the Edison representative said that boiler #4 had been cleaned out following the period when coal tar was burned.

The Edison representative also indicated that Well #1 has been contaminated from an off-site source (Edison 1997a). Intermittent reports of foul odors emanating from the bathroom and kitchen facilities at the Highgrove Generating Station, which are supplied by water from Well #1, were reported starting in 1989. A sampling event conducted by Edison on January 2, 1990 detected turbid and discolored water in Well #1; and a later sampling event on March 22, 1991 indicated elevated manganese, iron, bacteria, and lube oil in Well #1. In January of 1992, the pump was removed from Well #1 at which time oil was reportedly floating on the groundwater. Inspection of Well #1 by Geraghty & Miller on October 23, 1996 indicated a foul waste odor emanating from the casing. Geraghty & Miller was unable to obtain a water level measurement from this well due to an obstruction in the access tubing at depth.

Edison personnel indicated that additionally, an historic release of lube oil from the existing well pump has been reported at the Pico Street Well, where approximately 75 to 100 gallons of lubrication oil from the bearing oil supply line had been released into this well (Edison 1996d). Communications with an employee of the Western Municipal Water District (WMWD) indicate the Pico Street well contained oily water during a monitoring event in November 1996 (WMWD 1997). The Pico Street well is reportedly used for agricultural purposes.

On May 19, 1997, Geraghty & Miller personnel met with Edison staff at the San Bernardino Generating Station to review and discuss Edison files (Edison 1997b). Documents produced by Edison for the Highgrove site and made available to Geraghty & Miller include:

- Various analytical reports from storm water monitoring activities conducted by Edison in 1996 and 1997 for National Pollutant Discharge Elimination System (NPDES) permit compliance (discussed in Sections 3.3.2 and 3.3.9);
- Analytical reports from sludge samples collected from Cooling Towers #1 through #4 sampled on June 3, 1996 (discussed in Section 3.3.8);
- A Notice of Violation (NOV) from the CRWQCB dated February 28, 1997 for the Highgrove Generating Station (discussed in Section 3.3.9);
- Well water analytical data from Highgrove site Wells #1 through #4 sampled on May 21, 1996 (discussed in Section 3.3.13);
- Various laboratory reports of sidewall confirmation soil sample results associated with the Acid Sludge Disposal Area excavations (discussed in Section 3.3.16); and
- A copy of a letter report dated December 16, 1996, addressed to the San Bernardino Fire Department Hazardous Materials Division (Edison, 1996d), presenting soil pH data and soil disposal manifests associated with closure of the Acid Sludge Disposal Area (discussed in Section 3.3.16).

Specific issues discussed were as follows:

- Geraghty & Miller inquired about an event in which wastewater emanating from an off-site property was observed to be running onto the Highgrove Generation Station site.
  - Edison described an event in which Mr. Tom Mbeke of the CRWQCB, during a site inspection on April 23, 1997, observed a discharge of wastewater from a 1-inch diameter polyvinyl chloride (PVC) pipe associated with the Cobb Company, located south of the station, onto the southern margin of the Cage Park concrete channel system. No samples of the discharge were collected at that time.
- Geraghty & Miller requested information associated with the current status of sludge within the basins of the Cooling Towers.
  - Edison indicated that sludge within the four Cooling Tower basins at the station was sampled and analyzed for metals on June 3, 1996 and has since been removed and disposed of off-site. Edison provided copies of laboratory analytical reports associated with two composited sludge samples.
- Geraghty & Miller inquired about data associated with monitoring of on-site storm water flow at the Highgrove Site.
  - Edison replied that sampling of surface water runoff during storm events was conducted at the Highgrove Generating Station by Edison to evaluate metals concentrations in storm water running onto the site from

adjacent potential source areas. Edison provided copies of laboratory analytical reports of storm water analyses conducted on samples collected from several locations on- and off-site on multiple occasions (see Appendix A for analytical reports and a sampling location map).

- Geraghty & Miller inquired about details associated with the Acid Sludge Disposal Area.
  - Edison staff indicated that the contents of several drums which contained residues after removal of the acid/caustic tanks at the site were previously disposed of at the Acid Sludge Disposal Area. Edison produced photographs which illustrated a white powdery residue, reported to have low pH, associated with impacted soils. Files containing laboratory analytical reports were provided to Geraghty & Miller for review.

2.3 Regulatory Agency File Review

Geraghty & Miller reviewed files at four regulatory agencies in January and February 1997. The purpose of the file review was to evaluate environmental conditions in soil and groundwater at the site and surrounding areas and to investigate possible sources of environmental impact to Edison's property from both Edison's operations and activities on neighboring properties. Files were requested for the Highgrove Generating Station, properties listed in the Phase I ESA (CH2M Hill 1997) database search, and properties observed during the site walk as potentially impacting the Edison property. Additionally, because County of San Bernardino Department of Environmental Health Services (SB DEHS) files are organized by site location and name, some files for properties located near the Highgrove Generating Station, but not specifically requested, were also reviewed.

2.3.1 Highgrove Generating Station

To confirm and clarify previously provided information and to evaluate events of environmental significance at the Highgrove Generating Station, the agencies listed in the following sections were contacted. Based on the information reviewed at these agencies, no additional areas of potential concern have been identified at the Highgrove Generating Station.

2.3.1.1 California Regional Water Quality Control Board

Geraghty & Miller reviewed Highgrove Generating Station files at the California Regional Water Quality Control Board (CRWQCB) office in Riverside on January 8 and 9, 1997. The Highgrove Generating Station file at the CRWQCB contained several sets of analytical data from groundwater samples of on-site wells. Most significant are the detections of TCE and tetrachloroethene (PCE) in Well #1. Results are discussed and presented in Section 3.3.13 and Table 2, respectively. No other information relevant to this evaluation was reviewed.

2.3.1.2 Department of Toxic Substances Control

There were no Highgrove Generating Station files available for review at the DTSC.

2.3.1.3 County of San Bernardino Department of Environmental Health Services

Geraghty & Miller reviewed Highgrove Generating Station files at the SB DEHS office in San Bernardino on February 10, 1997. This office maintains files for both the SB DEHS and the County Fire Department. Although the SB DEHS maintained files on this property, the available information was not relevant to this evaluation.

2.3.1.4 California Department of Forestry

Geraghty & Miller contacted the Grand Terrace Station of the California Department of Forestry office, which is contracted to respond to fires and emergencies at Highgrove Generating Station in regards to Highgrove Generating Station files on February 20, 1997. No information relevant to this evaluation was available.

2.3.2 File Review of Properties Near the Highgrove Generating Station

Files for the following off-site properties were reviewed: RHWC at 21700 Main Street; K/J Plating and K&N Plating, both at 21750 Main Street; Taylor Lumber Company at 21800 Main Street; American Modular Systems at 21516 Main Street; and Hood Communications at 21496 Main Street. Operations at these facilities included: metal plating; groundwater pumping, chlorination, and distribution; lumber services and storage; and assembly of vaults for subgrade tank installation. Files from the CRWQCB and the SB DEHS contained pertinent information regarding off-site properties and potential impacts to the Highgrove Generating Station by either surface water flow or groundwater flow. The DTSC did not maintain files on neighboring properties.

Records of surrounding properties indicated potential sources of environmental impact to Edison property by either surface water flow or groundwater flow. Most notably, soil and groundwater impacts are documented at the property east of the Highgrove Generating Station where plating activities were conducted under various names (K/J Enterprises, Riverside Plating, K&N Engineering, and K&N Plating, herein called "the former plating facility"). Files at the CRWQCB indicated that plating process waste material laden with heavy metals leaked from a surface impoundment and a subsurface clarifier, causing soil and groundwater impacts (Ecology & Environment 1990).

One letter on file at the SB DEHS reports that, at the former plating facility, hydrofluoric, sulfuric, chromic, and nitric acids were dumped behind the facility prior to 1974 (DHS 1987). A figure included in the SB DEHS file indicated surface grading patterns draining the northern portion of the K&N Engineering facility into a ditch that discharges into Cage Park, adjacent to the Highgrove Generating Station. No agency documents were available to document closure of this property.

Also included among the properties on file at the SB DEHS is the RHWC, which pumps and chlorinates groundwater for distribution to domestic and agricultural users. While no record of environmental impact was documented, the proximity of an operating water supply well to the Edison property is significant because it establishes an exposure route for groundwater impacts and it also influences the local groundwater gradient.

The off-site property files document historical releases to both subsurface and surface soil. No documentation is available which directly links off-site soil impacts to impacts at the Edison property. However, off-site releases represent a potential threat to the environmental condition of the Highgrove Generating Station. Based on the information reviewed at the listed regulatory agencies, adjacent properties are not interpreted to represent a significant potential source of historical environmental impact to Edison property.

2.4 Summary of Site Walk Findings at Adjacent Properties

At the request of Edison, four areas (shown on Figure 3) located on Edison-owned parcels adjoining the Highgrove Generating Station were assessed during a site walk conducted by Geraghty & Miller on October 24, 1996. The first area is the Cage Park Area which comprises the southern portion of the Highgrove Generating Station property. The Cage Park Area includes Cage Park, a storage warehouse, a park-accessible restroom facility, an abandoned septic system, two square vaults encased within a concrete pad, and a concrete-lined surface water drainage system which discharges to the Cooling Tower Discharge Pond. The second area is Parcel 56, the Agricultural Area (East Parcel), referred to as Sower's Farm. This Edison-owned 8.99-acre parcel has been and is currently leased for agricultural purposes. The third area, comprised of Parcels 39, 40, 41, and the western half of Parcel 42, is the Agricultural Area (Northeast Parcel). This Edison-owned area has been and is currently leased for agricultural purposes. The fourth Edison-owned area, the Agricultural Area (North Parcel), comprises 6.76 acres and is currently vacant. Referring to Figure 3, other Edison-owned areas include the eastern half of Parcel 42, which was historically used for agricultural purposes and is currently used as a baseball field which Edison leases to the City of Grand Terrace, and the northwestern margin of Parcel 43 which consists of a series of easements and rights-of-way granted by Edison to other parties.

2.4.1 Cage Park Area

During the site walk in the Cage Park Area, the storage warehouse was accessed and observed to be constructed wholly on a concrete pad. No floor drains or sinks were observed within the warehouse. No visible stains or obvious depressions were noted on the concrete floors. The warehouse housed numerous wooden crates containing stator bars for turbine generators and various equipment and supplies for supporting on-going use of the Highgrove Generating Station.

A plot plan for a Septic System and Seepage Pit was made available to Geraghty & Miller during the site walk and is attached as Figure 4. An attempt was made to locate the Septic System and Seepage Pit noted on the figure. Due to the absence of any discernible surface expressions of such features this attempt was unsuccessful. Revisions to the plot plan (Figure 4) dated 1972, indicate that the Septic System and Seepage Pit were abandoned in place, with a new sanitary sewer tie-in installed.

Two vaults were accessed and observed to be encased in a concrete slab approximately 12 feet wide and 24 feet long. Each vault was approximately 6 feet square, and approximately 4 feet deep, lined with refractory bricks, with the base consisting of gravel. The total depth of the vaults is unknown. Edison reported that the vaults were historically used as barbecue pits, which corresponds to the use of refractory bricks in the vault lining construction (Edison 1996e).

Based on the Phase II site walk conducted by Geraghty & Miller and the information provided to Geraghty & Miller by Edison, the storage warehouse, park-accessible restroom facility, septic system, and concrete-encased vaults are not suspected to be areas of potential concern. Therefore, these features were not addressed in the Phase II site assessment.

2.4.2 Agricultural Area (East Parcel)

The Agricultural Area comprising the East Parcel is locally referred to as Sower's Farm. The East Parcel has been leased for agricultural purposes since at least the time of plant construction in 1952. Noteworthy features observed at this property (based on a site walk) include a fenced-off agricultural storage area which contains stored agricultural equipment and irrigation piping, several aboveground dispensing tanks containing unknown liquids, 55-gallon capacity dispensing drums, and a locked pesticide storage shed.

The possibility of pesticide accumulation in topsoil in areas of active application, and the potential release of pesticides and fuel hydrocarbons from Aboveground Storage Tanks, storage drums, and the pesticide storage shed in the East Parcel constitute areas of potential concern. As such, Phase II sampling was conducted in the East Parcel (see Section 3.3.21).

2.4.3 Agricultural Area (Northeast Parcel)

The Agricultural Area (Northeast Parcel) has been leased for agricultural purposes since the time of plant construction in 1952. An off-site water well, identified on Figure 3 as Well #2S/4W-05M01S, exists at the southern margin of the eastern half of Lot 42, south of the baseball field. At the western margin of Lot 40, parallel to the Southern Pacific Railroad line, is a trash pile consisting predominantly of discarded agricultural-related debris which appears to have accumulated for some time. The trash pile presents a potential for surface soil impacts from discarded empty pesticide and fertilizer containers and from used motor oil containers. As such, Phase II sampling was conducted in the Northeast Parcel (see Section 3.3.22).

2.4.4 Agricultural Area (North Parcel)

The Agricultural Area (North Parcel) lot was observed to be relatively flat lying with native grass occupying approximately 90 percent of the lot. No remarkable features were observed at this vacant lot. Therefore, no Phase II sampling was conducted in the North Parcel.

2.5 Basis of Work and Field Activities

The Phase II ESA investigation was performed in accordance with the Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP), Phase II Environmental Site Assessments, SCE Generating Stations, dated October 18, 1996, prepared by Hydro-Search, Inc., CH2M Hill, and Geraghty & Miller (Hydro-Search, CH2M Hill, Geraghty & Miller 1996) and the SAP Addendum, dated January 13, 1997, prepared by Geraghty & Miller (Geraghty & Miller 1997). Modifications and deviations from the SAP and the rationale for the deviations are summarized below.

- Table E3 of the SAP indicated proposed sampling depths at the Cooling Tower locations (CT-1 through CT-5) as 0.5 foot and 3 to 5 feet bgs. Actual sampling

depths were nominally 0.5 foot bgs into native soils, and 1 foot below the depth of the cooling tower basin invert, which was calculated to be about 7 feet bgs. This sample depth was chosen because the basin invert represented the most likely release point should the basins have failed to adequately contain the cooling water. Additionally, polychlorinated biphenyls (PCBs) were analyzed only for sample CT-1, since the CT-1 location was adjacent to a transformer tower.

- An additional boring designated as FD-2 was specified in the area of the lube oil sumps for Units 1 and 2 to permit characterization of soils adjacent to these features which have been identified in the Phase I ESA as evidence of recognized environmental conditions. This boring had been previously identified on Table E3 of the SAP as "Non-specific ID" to permit some flexibility in the work scope.

- Table E3 of the SAP indicated proposed sampling depths at the Cooling Tower Discharge Pond locations (CTDP-1 through CTDP-3) at 0.5 foot and 5 feet bgs. The actual sampling depth for CTDP-3 was 3 feet into the pond base and only one sample was collected as opposed to two. The rationale for this field change was to account for the recent increase in the pond siltation rate, and therefore to target pond soils that would represent the former pond base approximately 5 to 10 years ago.

- Sampling location SA-1, located adjacent to the sulfuric acid tank, east of Cooling Towers #2 and #3 was added to the work scope, and sampled at 0.5 foot and 5 feet bgs. The inclusion of this location was due to the observed evidence of a historic release of fluids onto the asphaltic pavement beneath the tank, which resulted in disintegration of the asphalt, and to characterize potential soil pH impacts associated with suspected releases.

- Table E3 of the SAP indicated proposed sampling depths at the perimeter of the switchyard (B/EB-1 and SRFP-1 through SRFP-4) of 0.5 foot and 5 feet bgs. Actual sampling depths were nominally 0.5 foot and 3 feet bgs. The rationale for this change was to address a typographic error in Table E3 that misrepresented the targeted sampling depth of 3 feet bgs.

- The proposed sampling location identified as B1-1 on Figure E2 of the SAP was not sampled. Its appearance on Figure E2 was inadvertent and was misrepresented as a proposed sampling location.

- The originally proposed location for sample CHI-1, adjacent to the Unit 1 and 2 auxiliary transformers (see Figure E3), was relocated to the Unit 3 and 4 auxiliary transformers due to access considerations during the time of concrete coring activities. The sampling depths were modified from 0.5 foot and 5 feet to 0.5 foot and 3 feet bgs, based on the presence of an intact concrete slab surrounding the entire transformer, which would be expected to limit soil impacts to shallower depths.

- An additional sample designated as NG-1 was specified in the area of the negative ground device for Unit 1, beneath the overhead crane, to permit characterization of soils below an area of oil accumulation on surface concrete. This sample had been previously identified on Table E3 of the SAP as "Non-specific ID" to permit some flexibility in the work scope.

- The originally proposed location and proposed sampling depths of RP-1 were modified. The rationale for these changes are as follows: the new location was moved approximately 15 feet west of the original location, to target the location of the pond discharge pipe elbow; and the depth was increased to permit sampling in the area of the pipe invert (at about 6 to 7 feet bgs) and below the pipe invert.

- An additional sample designated as FOP-1 was specified in the area of the underground fuel oil pipeline, located between the tank farm and Day Tank #1. The rationale for this location was to allow sampling of soils along this pipeline, and adjacent to the reported former wastewater sump area west of the front office. This sample had been previously identified on Table E3 of the SAP as "TBD" to permit some flexibility in the work scope.

- Locations for samples RD-1 and RD-2, in the Research and Development Area, and samples SS-1 and SS-2, near the suspected location of the abandoned Septic System, were not previously shown on Figure E2 of the SAP, and are now shown on Figure 2.

- An additional sample designated as DS-1 was specified in the Drum Storage Area, adjacent to the Research and Development Area (see Figure 2). The rationale for this inclusion was to permit characterization of suspected releases into shallow soils from the Drum Storage Area.

- An additional sample designated as AG-1 was specified in the off-site Agricultural Area (East Parcel), within the fenced agricultural storage yard. The rationale for this sample was to permit characterization of suspected impacts to soils resulting from potential releases of pesticides or fuel hydrocarbons stored in this area.

- Sampling was not conducted adjacent to the Aboveground Storage Tanks based on the following rationale:

  - The Los Angeles Region of the CRWQCB has determined soil screening criteria (Los Angeles CRWQCB 1996). These criteria were agreed upon for use by representatives of Edison, Geraghty & Miller, CH2M Hill, and Hydro-Search during this Phase II site investigation. For the Highgrove Generating Station site, soil total petroleum hydrocarbon concentrations less than 100 milligrams per kilogram (mg/kg) for diesel, and less than 1,000 mg/kg for #2 fuel oil, assuming an 80-100 foot depth to groundwater under the site, are not considered a hazard to human health and the environment.

  - A review of previously obtained analytical results of the soil samples collected adjacent to the aboveground #2 fuel oil and diesel oil tanks within the bermed tank farm area (see Table 2) indicates the observed concentrations are well below these values.

  - Therefore, based on the soil screening criteria, the Aboveground Storage Tanks are not considered a recognized environmental condition and were not addressed within this Phase II work scope.

Modifications and deviations from the SAP Addendum and the rationale for the deviations are summarized below:

- As a result of additional site inspection, Boring AGNE-2 was not advanced. This boring was intended to assess potential impacts from a former utility pole storage area; however, the storage location could not be confirmed. No samples were collected or analyzed.
- As a result of additional site inspection, Boring CTDP-4 was advanced near the Cooling Water Discharge Pond, as shown on Figure 2, to assess potential impacts from surface drainage that may originate from the properties east of Cage Park. A sample was collected at 0.5 feet bgs and was analyzed for California Assessment Manual (CAM) metals and pH by Environmental Protection Agency (EPA) Methods 6010 and 9045, respectively.
- As a result of additional site inspection, limited backhoe excavation confirmed the locations of two Seepage Pits which received discharge from a Septic Tank, and extended from 3 feet bgs to approximately 50 feet bgs, according to site drawings. Boring SS-2 was advanced next to one of the Seepage Pits and soil samples were collected at 10, 20, 30, 40, 50, and 55 feet bgs. The sample from 55 feet bgs was analyzed for total petroleum hydrocarbons fuel fingerprint (TPH) by EPA Method 8015 modified by the California DHS (Method 8015M) and for VOCs by EPA Method 8260, respectively; the other samples were collected for lithologic description and were held by the laboratory. Boring SS-1 was advanced next to the second Seepage Pit and soil samples were collected at 55 and 60 feet bgs. Both samples were analyzed for TPH by Method 8015M and for VOCs by EPA Method 8260.

3.0 RESULTS AND DATA EVALUATION

This section presents a description of the local topography, geology, and hydrogeologic setting, a brief summary of the field activities performed at the site, sample analytical results, a discussion of the results, and data validation documentation. The data obtained as a result of this Phase II ESA are compared to the screening criteria presented in Section 3.2 and an evaluation is made as to whether or not further action is recommended at each feature investigated.

Phase II ESA field activities were not conducted to assess groundwater at the Highgrove Generating Station because an on-going, concurrent investigation is being conducted independently by Edison.

3.1 Site Topography, Geology, and Hydrogeology

The Highgrove Generating Station is located in an area known as Riverside Mesa, situated in an alluvial valley between the La Loma Hills on the northwest and the Box Springs Mountains on the southeast, both of which consist of Mesozoic granitic rocks (Rogers 1967). The valley is in the vicinity of, and may have once been part of, the Santa Ana River floodplain. The river is presently about 1 mile northwest of the site. Other surface water courses in the vicinity include Spring Brook, approximately 1 mile south, the Gage Canal, approximately 1/2 mile east, the Riverside Canal, which passes the northwest side of the site, and a canal or surface drainage which runs west from the site to Santa Ana River.

The surface deposits at the site have been mapped as Pleistocene nonmarine deposits. These are alluvial fan deposits (fanglomerate) which have been dissected by the modern drainage courses to form remnant terraces. The deposits include indurated older decomposed clay-rich alluvium. Water well drillers logs indicate that these materials extend to about 420 feet below the site and rest on granitic rocks (Edison 1996b).

The regional hydrogeologic framework in this area combined with the drillers' logs indicates the following likely conditions below the site. The aquifer underlying the site is semiconfined, with groundwater occurring at an average depth of approximately 100 feet bgs. The drillers' logs indicate an aquitard located from approximately 15 - 30 to 100 - 110 feet bgs, capped by a 12-foot minimum thickness of hard, yellow to brown clay. Below 110 feet, the strata appear to consist mainly of sand, gravel, and cobbles to a depth of approximately 340 feet. This sandy gravel interval comprises the predominant aquifer for the basin and rests on a 60-foot thick clay layer before encountering bedrock at about 420 feet bgs. Historically, depths to groundwater have ranged from 80 to 120 feet bgs. The upper 30-foot section of deposits is a likely zone for perched groundwater and is composed of clay with silt and sand interbeds with varying density and degree of cementation.

Five groundwater production wells currently exist on the Edison property. Four of the five wells, designated as Well #1 through Well #4, are located on the Highgrove Generating Station portion of the property (see Figure 2). Wells #1 and #2 were reportedly the sole source of domestic water for the station. Well #1 has since been disconnected from use and is no longer currently operating. Well #2 is reportedly used as a backup for domestic water when needed, to fill the 30,000-gallon service water tank, and operates intermittently at 250

gallons per minute (gpm). Wells #3 and #4, each reportedly capable of pumping at 1,800 gpm, supply the circulating water for the Cooling Towers. Available driller's logs from Wells #3 and #4 (Edison 1996b) indicate the wells have a total depth of approximately 420 feet, a 20-inch diameter steel casing, and no gravel pack or sanitary seal. Casing perforation was performed during construction in 1950 and 1951 using a hydraulic knife, with perforations completed in the depth interval of 130 to 342 feet below grade. The fifth well, known as the Pico Street Well, is located on Edison property east of the Highgrove Generating Station, off Pico Street.

3.2 Analytical Data Screening Criteria

A set of screening criteria was established for consistent evaluation of the analytical test results. Comparing sample results to the screening criteria provides an indication of environmental conditions that may or may not require additional action (e.g., site assessment, risk analysis, remediation).

Soil sample analytical results were compared to the screening criteria presented below and summarized in Table 3.

- TPH and benzene, toluene, ethylbenzene, and total xylenes (BTEX) were compared to Soil Screening Levels published by the Los Angeles Region of the CRWQCB in their May 1996 Interim Site Assessment & Cleanup Guidebook (Los Angeles CRWQCB 1996). Although these levels have not been promulgated, and would not necessarily apply to this site if they were, because it is not in the jurisdiction of the Los Angeles Region of the CRWQCB, they have been agreed upon to be used for this evaluation because they provide conservative screening criteria for evaluation of total petroleum hydrocarbons and BTEX analytical results.
- The Toxic Substance Control Act (TSCA) cleanup threshold for total PCBs of 50 parts per million (ppm) was used to evaluate detected PCB concentrations in soil.
- Other detected soil concentrations (metals and VOCs) were compared EPA Region IX generic Preliminary Remediation Goals (PRGs) for soil under industrial land use conditions. In general, these PRGs are conservative health-based standards (i.e., incremental cancer risk less than 10^{-6}, and a noncancer hazard index less than one). In addition, these thresholds are also typically protective of groundwater resources. A site-specific risk assessment might demonstrate that less stringent PRGs would be appropriate. It should be noted that natural soils contain metals, so quantifiable detected values are normal and expected.
- As a secondary screening step for CAM Metals, soil sample analytical results were compared to the California hazardous waste criteria (Total Threshold Limit Concentration [TTLC]) as listed in California Code of Regulations (CCR), Title 22.

Sample results for the Highgrove Generating Station were compared to these screening levels. The screening criteria used for this Phase II ESA are <u>not</u> cleanup criteria. They are

strictly used for comparative purposes and to provide an indication of whether or not additional action should be considered by Edison and/or a possible future land owner.

3.3 Field Activities, Sample Results, and Assessment of Site Conditions

Focused soil investigations were performed at a number of specific features of the Highgrove Generating Station site. A description of these investigations and the resulting data are presented for each general area or site feature investigated. Analytical results for all quality assurance/quality control samples are summarized in Subsection 3.3.27 below, which includes a data validation assessment.

Boring logs for all borings drilled or hand augered at each of the specific features listed below are provided in Appendix B. Sample location control data for all borings drilled are included in Appendix C. Laboratory analytical data are included in Appendix D. Chain of custody forms and data validation reports are provided in Appendix E.

Site field activities were performed at the Highgrove Generating Station in accordance with the SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996), the SAP Addendum (Geraghty & Miller 1997), and the deviations described in Section 2.5. Specific targeted areas, identified as being typical to Highgrove and other generating stations, were investigated, as well as site-specific areas, identified as a result of document review and site walks. All analytical results obtained from the investigations were compared to the screening criteria which was described in Section 3.2. Table 4A lists the analytical results that exceed this screening criteria. Table 4B includes all analytical results from the field investigation.

Initially, Geraghty & Miller conducted geophysical surveys of several areas where the features of subsurface structures or potential utility lines were not well established. Soil sampling was then conducted at the following locations (Figure 2): Underground Storage Tanks; Aboveground Storage Tanks; Transformers; Cooling Towers; Cooling Tower Discharge Pond; Pipelines; Septic Tank and Seepage Pits; Hardinge Filter-Water Processor Area; Switchyard; Research and Development Area; Agricultural Area (East Parcel); Agricultural Area (Northeast Parcel); Powerblock (including areas of surface spills); and Drum Storage Area. The field activities for the Highgrove Generating Station were performed on October 23 and 24, and November 1, 1996, and February 3, 1997.

Forty-nine soil borings were advanced using a hand auger or a hollow stem auger drill rig. All borings advanced using a drill rig were hand augered to a depth of 5 feet bgs to minimize the likelihood of encountering unknown buried structures. Several of the boring locations had surface coverings of asphalt or concrete. Prior to augering at these locations, the surface was prepared by using a hand-held or walk-behind powered saw for asphalt or a rotary corer for concrete. Table 4B includes a list of all soil borings advanced, their boring ID, the depth at which samples were collected, the analytes for which they were tested, and the analytical results.

Soil samples collected from hand auger borings were transferred from the hand auger bucket and placed into jars or laboratory prepared sleeves. All samples that were to be analyzed using EPA Method 8260 for VOCs were collected in brass sleeves with the ends sealed with Teflon sheets secured in place by snug-fitting endcaps to prevent loss of VOCs.

Soil samples collected from borings drilled using a drill rig were collected in a California Modified Split Spoon Sampler holding three clean laboratory-prepared sleeves.

Samples from many locations at the site were analyzed for TPH by Method 8015M. As part of the laboratory reporting process, the chromatogram generated by the analytical procedure is examined and compared to typical chromatograms for known types of hydrocarbons, such as diesel fuel and motor oil, among others. The most similar typical chromatogram is selected and used by the laboratory for quantification of the TPH concentration of the sample, as the associated specific hydrocarbon standard. These numerical concentrations are reported in the following discussion; however, this does not necessarily indicate that the hydrocarbon type, as quantified, is actually what was in the sample, merely that the chromatogram of the sample most closely resembled that typical chromatogram.

After completion of drilling and sampling, all borings were backfilled with Enviroplug Medium brand bentonite chips, hydrated with deionized or potable water, and then completed to previous surface conditions with either compacted clean native soil, cold patch asphalt, or concrete.

3.3.1 Hazardous Waste Site (Off-Site)

Regulatory agency records of properties surrounding the Highgrove Generating Station indicate potential sources of environmental impact to the generating station from the former plating facility via surface water or groundwater flow. Specifically, CRWQCB files indicate metals impacts to soil (elevated chromium) and groundwater (elevated cadmium, chromium, and zinc) from plating process waste which had leaked from a subsurface impoundment and clarifier at the former plating facility, located east of and adjacent to the station.

3.3.2 Waste Discharges (From Off-Site)

Surface water runoff from areas with documented impacts at the former plating facility, and from runoff at the adjacent lumber yard (east and upslope of the Highgrove Generating Station) represents potential sources of impacts to station wastewater discharges and to surface soils. Additionally, as described in Section 2.2, discharges of wastewaters onto the station from other off-site sources represent potential sources of impacts. Review of analytical results of storm water runoff monitoring activities conducted by Edison indicate elevated copper concentrations (above NPDES permit discharge requirements) detected in storm water runoff (runon to the generating station) sampled at selected locations along the western margin of Taylor Street, downslope from the lumber yard and the former plating facility (see also Appendix A). Storm water draining onto the Highgrove Generating Station directly from the adjacent, upslope lumber yard and former plating facility contains copper concentrations exceeding the average and maximum NPDES discharge permit limits of 50 micrograms per liter (µg/L) and 101 µg/L, respectively, for the generating station.

3.3.3 Retention Basins

No Phase II sampling was conducted in conjunction with the East and West Retention Basins because of an on-going, concurrent investigation being conducted independently by Edison, which addresses these features.

3.3.4 Underground Storage Tanks

Edison records document the retrofitting of two, 100-gallon lube oil tanks (designated as Tanks 154 and 155) with leak detection monitoring capabilities in November 1986 (Leak Alert Service Company 1986). Two liquid probes and six combination probes were reportedly installed in conjunction with alarm panels to monitor the lube oil sumps at the Highgrove Generating Station. No soil analytical information regarding this work is available.

During the Phase II ESA, two soil borings (FD-1 and FD-2) were advanced at the Underground Storage Tanks (USTs) (Figure 2). Boring FD-1 was located on the southwestern corner of lube oil reservoir Unit 3, and FD-2 was located between lube oil reservoir Units 1 and 2. Boring FD-1 was advanced to 5 feet bgs and was sampled at 4.5 feet bgs. The sample was analyzed by Method 8015M for TPH. Auger refusal was encountered in FD-1 at 5 feet bgs. Auger refusal was also encountered at two attempted locations for Boring FD-2, and no samples were collected.

Analytical results of the soil sample collected from 4.5 feet bgs in the area of the Units #3 and #4 lube oil reservoir (FD-1) indicated no detected TPH concentrations. Based on this result, no TPH impacts are evident at the Units #3 and #4 lube oil reservoir at the approximate base of the concrete sump.

3.3.5 Aboveground Storage Tanks

Aboveground Storage Tanks are used at the site for storage of fuel, lubricants, acid/caustic solutions, and water treatment. Aboveground Storage Tanks 1, 2, and 3, located at the northern end of the site have been investigated as described in the Baseline Tank Study Report (Edison 1996f). The investigation of Tanks 1, 2, and 3 encompassed the completion of shallow (1.5 to 3 feet deep) trenches positioned radially away from each tank in four different directions (see Figure 2). Analytical results of soils collected from these trenches and analyzed for total recoverable petroleum hydrocarbons (TRPH) using EPA Method 418.1 are summarized in Table 2. Several unidentified, backfilled soil borings were observed at locations along the berm separating the west and east Aboveground Storage Tank impoundment areas. No data or information has been obtained to date related to the purpose or findings associated with these borings.

Eight soil borings (FOT-1, FOT-2, FFO-1, FO-1, FO-2, LOS-1, A/C-1 and SA-1) were advanced at various Aboveground Storage Tank locations (Figure 2). A ninth boring, RD-2, was advanced near Aboveground Storage Tanks in the Research and Development Area and is discussed in Section 3.3.19, Research and Development Area.

Boring FOT-1, located on the southern edge of the area of the previous soil excavation at the 39,000-gallon fuel oil tank and pump house, was advanced to a depth of 10.5 feet bgs; Boring FOT-2, located to the north of that excavation, was advanced to 10.5 feet bgs; Boring FFO-1, located at the former fuel oil/truck off-loading area, was advanced to 5.5 feet bgs; Boring FO-1, located between the #2 fuel oil day tank and the #2 light oil tank, was advanced to 5 feet bgs; Boring FO-2, located between the fuel oil day tank and the oil/water separator centrifuge sump, was advanced to 3 feet bgs; Boring LOS-1, located at the lube oil storage tank between boilers #2 and #3, was advanced to 4 feet bgs; Boring A/C-1, located between the Demineralizer Sump and the acid/caustic tank was advanced to 6 feet bgs, and

Boring SA-1, located at the southwest corner of the sulfuric acid tank, was advanced to 5 feet bgs.

Borings FOT-1 and FOT-2 were sampled at 5 and 10 feet bgs; Borings FFO-1 and SA-1 were sampled at 0.5 foot and 5 feet bgs; Boring A/C-1 was sampled at 5.5 feet bgs; Boring FO-1 was sampled at 1 foot and 5 feet bgs; Boring FO-2 was sampled at 0.5 foot bgs; and Boring LOS-1 was sampled at 0.5 foot and 4 feet bgs.

Boring FO-1 was moved 1 foot east due to auger refusal, and Boring FOT-2 was moved twice due to auger refusal. The final boring was named FOT-2C and was moved approximately 10 feet northeast of the original boring location. Boring LOS-1 was moved approximately 5 feet southwest of the original boring location after a concrete slab was encountered at 4.5 feet bgs. The 0.5-foot sample was collected from the first LOS-1 boring location and the 5-foot sample was collected from the second LOS-1 boring location.

The 0.5-foot sample from borings FFO-1 and FO-2 and the 5-foot sample from Borings FOT-1, FOT-2 FFO-1, FO-1, and LOS-1 were analyzed by Method 8015M for TPH, and the 0.5- and 5-foot samples from Boring SA-1 and the 5.5-foot sample from A/C-1 were analyzed by EPA Method 9045 for pH.

Analytical results from soil samples collected from the northern and southern margins of the former 39,000-gallon fuel oil tank and pump house excavation, designated as FOT-1 and FOT-2C at 5 feet bgs, indicated no detected TPH. Based on these results, the samples collected from 10 feet at FOT-1 and FOT-2C were not analyzed. The former excavation of this area appears to have addressed the lateral and vertical spread of fuel oil which had historically leaked from the 39,000-gallon fuel oil tank and pump house. These two borings comprise the investigation referenced in Section 3.3.6, Tank Containment Structures.

Analytical results from the soil sample collected from FFO-1, located in the vicinity of the former fuel truck off-loading area, indicated no detected TPH at 0.5 foot and 5 feet bgs. Based on these results, soils in the area of FFO-1 do not appear to have been affected by historic off-loading of fuel oil in the truck off-loading area.

Analytical results from soil boring LOS-1, located adjacent to the lube oil storage tank between boilers #2 and #3, indicated no detected TPH at 1 foot bgs. At 5 feet bgs, TPH as diesel ($TPH_{C12-C25}$) was detected at a concentration below the screening criteria for diesel. Boring LOS-1 also evaluated impact by Drains and Sumps, as referenced in Section 3.3.11, Drains and Sumps.

Analytical results from soil samples designated as FO-1 and FO-2, positioned near the fuel oil day tanks #2 and #1, respectively, indicated no detected TPH. Sampling at Boring FO-1 was conducted at 1 and 5 feet bgs, and sampling at Boring FO-2 was conducted at 0.5 feet bgs (because of auger refusal at 3 feet bgs), which is above the base of the lube oil centrifuge sump as referenced in Section 3.3.11, Drains and Sumps. Results of FO-1 show no concentrations above the screening criteria at the fuel oil day tank #2. Results of FO-2 show non-detectable TPH concentrations. Based on these data, the retrofitting of the lube oil centrifuge sump in the past (see Table 2), and the lack of visible evidence of impact during borehole advancement, there is no indication of a petroleum release near Boring FO-2.

Analytical results from soil samples collected from near the sulfuric acid storage tank (SA-1) at 0.5 foot and 5 feet bgs indicated pH values of 7.21 and 8.13, respectively. Although some surface asphalt degradation was noted beneath the dispensing area of the sulfuric acid tank,

no impacts were detected in the underlying soils. Analytical results from a soil sample collected at 5.5 feet bgs located between the acid/caustic tanks and the Demineralizer Sump (A/C-1) indicates a pH value of 8.73. The sampling depth corresponds to the approximate pond depth.

3.3.6 Tank Containment Structures

A 39,000-gallon capacity fuel oil transfer tank, designated as Tank 158, was removed along with a portion of the tank containment structure, with limited excavation of soils along the east wall of the tank in March 1988 (Edison 1988). Soil collected from excavation wall locations was composited and analyzed for TRPH using EPA Method 418.1. Analytical results indicated TRPH concentrations below the screening criteria used during the Phase II ESAs and are presented in Table 2.

The Phase II investigation of Tank Containment Structures included two borings by the pumphouse near the tank area where surface staining was observed. The two borings, FOT-1 and FOT-2, and the results of sample analyses are presented in Section 3.3.5, Aboveground Storage Tanks.

3.3.7 Transformers

Previous analyses of transformer equipment by Edison indicates that oil containing PCBs has been used in the past at the site (Analytical Associates 1980).

The Phase II investigation of Transformers included a total of seven borings where impacts from transformer oil may have occurred. One boring, CT-1, was advanced at the Cooling Tower switching substation; analytical results are presented in Section 3.3.8, Cooling Towers. Five borings, SRFP-1 through SRFP-4 and B/EB-1, were advanced around the perimeter of the switchyard; and analytical results are all presented in Section 3.3.18, Switchyard Perimeter. One boring, CHI-1, was advanced near control house #2 in the Powerblock; analytical results are presented in Section 3.3.24, Powerblock.

3.3.8 Cooling Towers

Previous independent Edison investigation included collecting sludge samples from the Cooling Tower basins. As noted in Section 2.2., two composited sludge samples were collected from Cooling Towers #1 and #2 (designated as Circ 1&2), and from #3 and #4 (designated as Circ 3&4) by Edison on June 3, 1996 and underwent analysis for metals (see laboratory reports in Appendix A). Elevated arsenic concentrations of 45 mg/kg, and 16 mg/kg, were detected from Circ 1&2, and Circ 3&4, respectively, each of which exceed the screening criteria of this Phase II investigation of 2.4 mg/kg. Since this sampling event, Edison has reportedly removed the remaining sludge from within the four Cooling Tower basins at the site and disposed of the sludge at an off-site disposal facility (Edison 1997b).

During the Phase II investigation, five soil borings (CT-1 through CT-5) were advanced at the Cooling Towers (Figure 2). Boring CT-1 was located at the Cooling Tower switching substation; Boring CT-2 was located on the southeastern side of Cooling Tower #4; Boring CT-3 was located near the midpoint between Cooling Towers #3 and #4; Boring CT-4 was located along the west margin between Cooling Towers #1 and #2; and Boring CT-5 was located on the northeastern side of Cooling Tower #1. The originally proposed location of

Boring CT-3 was moved to a new location because of hole caving during borehole advancement.

Two samples were collected from each boring at approximately 1 foot and 6 to 7 feet bgs except Boring CT-2, in which a sample was also collected at 3 feet bgs. All soil samples collected at the Cooling Towers were analyzed by EPA Methods 6010 for CAM Metals and 9045 for pH. Additionally, the soil samples collected from Boring CT-1, located adjacent to the Cooling Tower switching substation, were analyzed by EPA Method 8080 for PCBs.

Arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, or zinc were each detected in at least one Cooling Tower sample. With the exception of arsenic, none of the soil samples collected at the Cooling Towers exceeded the screening criteria for metals. Arsenic concentrations above the screening criterion of 2.4 mg/kg were detected at each boring location, in a total of seven samples, at concentrations ranging from 2.9 to 3.6 mg/kg (See Table 4A).

No PCBs were detected at Boring CT-1, located adjacent to the Cooling Tower transformer.

Soil samples collected from 1 foot and 7 feet bgs at location CT-4 had pH values of 3.94 and 3.92, respectively. Under California Code of Regulations (CCR) Title 22, these pH values are classified as non-hazardous waste since the values are above the hazardous waste criteria of pH less than 2.5 (CCR 1995).

3.3.9 Plant Wastewater Discharge/Surface Water Discharge

As noted in Section 2.2., review of NPDES monitoring records on file at the San Bernardino Generating Station for the Highgrove Site indicated an NOV issued to Edison, dated February 28, 1997, regarding the violation of waste discharge requirements to the Santa Ana River at the Highgrove Generating Station. The NOV listed three effluent violations: lead and copper violations for the August 1996 reporting period and a copper violation for the September 1996 reporting period. Edison is reportedly currently assessing the situation with the NOV and is communicating with regulatory agencies to remedy the problem.

During the Phase II ESA, four soil borings (CTDP-1 through CTDP-4) were advanced at the Cooling Tower Discharge Pond to investigate Plant Wastewater Discharge/Surface Water Discharge, and Waste Discharges from adjacent properties. Boring CTDP-1 was located on the west side of the pond at the effluent discharge; Boring CTDP-2 was located on the eastern margin at the influent discharge; Boring CTDP-3 was located on the southeastern margin where the surface water runoff canal discharges into the pond; and Boring CTDP-4 was located approximately 27 feet southwest of CTDP-3 (Figure 2). CTDP-1 and CTDP-2 were sampled at 0.5 foot and 5 feet bgs, CTDP-3 was sampled at 3 feet bgs, and CTDP-4 was sampled at 0.5 foot bgs. All samples were analyzed by EPA Methods 6010 for CAM Metals and 9045 for pH.

Analytical results from these four sampling locations indicated that arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, or zinc were each detected in at least one Cooling Tower Discharge Pond sample, all at concentrations below the screening criteria. The pH of the samples ranged from 7.35 to 8.24.

3.3.10 Pipelines

Three soil borings (OM-1, FOP-1, and RP-1) were advanced to maximum depths of 15 feet bgs adjacent to sections of pipeline (Figure 2). Boring OM-1 was located near the southwest corner of the outfall to manhole #6. Boring FOP-1 was located east of the underground fuel oil pipeline extending from the tank farm area to the Unit 1 and 2 fuel oil day tank, in the gravel-filled area near Well #1. Boring RP-1 was located at the inside elbow of the West Retention Basin outflow pipeline (Figure 2).

FOP-1 was sampled at 5 and 10 feet bgs, OM-1 was sampled at 9 feet bgs, and RP-1 was sampled at 8 and 13.5 feet bgs. All samples collected were analyzed by Method 8015M for TPH and EPA Method 6010 for CAM Metals. The sample from Boring OM-1 was also analyzed by EPA Method 9045 for pH, and the RP-1 samples were analyzed by EPA Method 8260 for VOCs.

Analytical results from soil sampled from an 8-foot depth at location RP-1 indicated no detected TPH, no detected VOCs, and a pH of 7.9. Arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, or zinc were each detected at concentrations below screening criteria. Following receipt of these data, the sample collected from a 13.5-foot depth was not analyzed.

The sample collected from location FOP-1, indicated no detected TPH. Arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc were detected at concentrations below the screening criteria.

Analytical results from soil sampled at manhole #6 (OM-1) at 9 feet bgs indicate a detection of TPH as motor oil ($TPH_{C20-C40}$) below the screening criteria; a pH of 7.89; and detectable concentrations of arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, vanadium, and zinc. All metals concentrations were below screening criteria with the single exception of arsenic which was detected at a concentration of 7.6 mg/kg, exceeding the screening criterion of 2.4 mg/kg. The vertical and horizontal extent of this arsenic concentration has not been determined.

3.3.11 Drains and Sumps

The Phase II investigation of Drains and Sumps included a total of seven borings that evaluated potential impacts from below various drains and sumps on site. Two borings, FO-2 and LOS-1, were located in the Aboveground Storage Tank area; analytical results are presented in Section 3.3.5, Aboveground Storage Tanks. Four borings, RD-1, RD-3, RD-4, and RD-5, were located in the Research and Development Area; analytical results are presented in Section 3.3.19, Research and Development Area. One boring, CMI-1, was located in the Powerblock; analytical results are presented in Section 3.3.24, Powerblock. Additionally, a former wastewater sump was reported to have previously existed at the generating station, although this feature was not sampled because its existence and location were not confirmed.

3.3.12 Oil/Water Separator

The Oil/Water Separator is located adjacent to the East Retention Basin (Figure 2). No Phase II sampling was conducted by the Oil/Water Separator because of an on-going,

concurrent investigation being conducted independently by Edison which addresses this feature.

3.3.13 Water Supply Wells

Edison operates four production water wells at the Highgrove Generating Station designated as Wells #1 through #4 , and owns a fifth well located offsite along Pico Street (the Pico Street Well). Limited documentation exists regarding water quality of the four groundwater production wells. Available documentation consists of analytical laboratory reports issued to Edison variously dated from 1986 to 1996; and an Edison memorandum (with laboratory reports) dated January 13, 1992, regarding Well #1 biofouling. Analytical testing conducted during this timeframe included volatile organics, inorganics, general minerals, selected pesticides and herbicides, and microbacterial standard plate counts. Noted laboratory detections included: PCE and TCE at concentrations below the California Primary Maximum Contaminant Levels (MCLs) from Well #1; iron exceeding the Secondary MCL of 0.3 milligrams per liter (mg/L) in Wells #1 and #3; manganese exceeding the Secondary MCL of 0.05 mg/L in Well #1; a pH level of 8.9 in Well #1 which exceeds the Secondary MCL of 8.5 (likely due to a one-time addition of bleach to Well #1 by Edison to address the bacterial problems identified in the well (Edison 1997b); bacteria counts exceeding the Microbacterial Primary Standard of 4 counts per 100 milliliters from Well #1; turbidity exceeding the Physical Primary Standard of 1 nephalometric turbidity units (NTU) in Well #1; and reported floating hydrocarbon product (reported as pump bearing lubrication oil) in Well #1 and the Pico Street Well. None of the available data indicated impacts above MCLs to Well #2, which is reportedly used for on-site, domestic water use.

Historical groundwater levels reported beneath the Highgrove Generating Station site over the last decade have varied from approximately 80 to 110 feet bgs, depending on the magnitude and duration of groundwater pumping beneath the site. The current static groundwater level at the southern Highgrove Generating Station site margin is reported as approximately 100 feet bgs by an RWHC representative (RWHC 1997).

Local groundwater information was obtained from SAWPA, which maintains hydrologic data for the watershed of the Santa Ana River. The geographic information system (ARC Info) database for the watershed includes the area of the Highgrove Generating Station. A list of groundwater wells in the SAWPA database within 1 mile of the generating station has been printed out for this study. Also listed in the database are available measured depths to groundwater. A total of 41 wells are listed in the vicinity of the Highgrove Generating Station. Depth to water measurements made in May 1996 are listed for five of these wells. The range of depth to water is 94.8 to 167.3 feet. This range may include both actively pumped and inactive wells.

A comparison of the SAWPA information with other information obtained from the Highgrove Generating Station site indicates that the SAWPA information is not complete. In some cases, more complete depth to water data are available from other sources (i.e., WMWD); however, the SAWPA data are representative of groundwater production wells for domestic and agricultural use, which is the general use of wells in the vicinity.

3.3.14 Septic Tank and Seepage Pits

Two soil borings (SS-1 and SS-2) were advanced at a suspected location of the former Septic Tank as indicated by Edison (Edison 1996c). The two soil borings were advanced to 20 feet bgs, one at the northern end and one at the southern end of the suspected Septic Tank location, in the area east of the East Retention Pond (Figure 2). Samples were collected at 5, 15, and 20 feet bgs; where the 15-foot depth samples were analyzed by EPA Method 8260 for VOCs, Method 9045 for pH, and by Method 8015M for TPH.

Subsequent to this initial investigation, a review of files and construction drawings on site indicated that the Septic Tank is actually located approximately 80 feet west of the suspected location; positioned between the East and West Retention Ponds, and that the Septic Tank formerly discharged waste to two Seepage Pits. These pits are shown to be constructed of cement blocks placed in a cylindrical pattern from a minimum of 2 feet bgs to approximately 50 feet bgs (Fluor Construction Drawings, 1952). After the location of each pit was confirmed by limited backhoe excavation, two borings were advanced, one adjacent to each seepage pit. Boring SP-2 was advanced to 55 feet bgs with samples collected at 10, 20, 30, 40, 50, and 55 feet bgs for lithologic control. Boring SP-1 was advanced to 60 feet bgs with samples collected at 55 and 60 feet bgs. The 60-foot sample and the two 55-foot samples were analyzed by EPA Methods 8260 for VOCs and by Method 8015M for TPH. Samples SP-1-55 and SP-1-60 were also analyzed by EPA Methods 9045 for pH and 6010 for CAM Metals.

Analytical results from soils sampled at the originally reported area of the abandoned Septic Tank (Borings SS-1 and SS-2) and near the confirmed Seepage Pits (Borings SP-1 and SP-2) indicated no detected TPH or VOCs. The pH of all soil samples ranged from 6.32 to 8.15. Arsenic, barium, beryllium, chromium, cobalt, copper, lead, molybdenum, mercury, nickel, selenium, vanadium, and zinc were detected in samples from Boring SP-1. All metals, with the exception of arsenic were below screening criteria. Arsenic was detected at 2.9 mg/kg, which exceeds the screening criterion of 2.4 mg/kg.

3.3.15 Spills

The Phase II investigation of Spills included two borings in the Powerblock where surface staining was observed. The two borings, CM-1 and NG-1, and the results of sample analyses are presented in Section 3.3.24, Powerblock.

3.3.16 Acid Sludge Disposal Area

The Acid Sludge Disposal Area is located northwest of the West Retention Basin at the western fence line (see Figure 2). As previously discussed in Section 2.2, disposal of residues from the acid/caustic tank removal activities resulted in a limited extent of impacts to soils at the Highgrove Generating Station. A sequence of successive excavations were conducted by Edison with confirmation soil sampling and analyses completed during each event. Initial sample analyses indicated metals, volatile organics, semi-volatile organics, PCBs, and pesticides at concentrations below screening criteria. Low soil pH (<1.00 to 4.3) and cadmium in shallow soil exceeding the Soluble Threshold Limit Concentration (STLC) value characterized some of the waste as hazardous. Removed soils were disposed of at an off-site disposal facility. Samples collected during subsequent excavations indicated decreasing metals concentrations well below screening criteria and pH values moving

towards neutrality. During the final excavation, since metals were no longer detected at elevated concentrations, pH analyses were conducted, which indicated generally neutral (comparable to background soil pH) soil conditions in all sampling locations (Edison 1996e). Results and sample locations are included in Appendix A.

3.3.17 Hardinge Filter Water Processor Area

Boring CT/WS-1 was advanced to 5 feet bgs on the east side of the Hardinge Filter-Water Processor Area (Figure 2), formerly identified as the cooling tower sludge processing area. CT/WS-1 was sampled at 0.5 foot and 5 feet bgs. Due to auger refusal, the boring had to be moved northwest of the original boring. The 5-foot soil sample was collected in the second boring, designated as CT/WSB-1. Both samples were analyzed by EPA Methods 6010 for CAM Metals and 9045 for pH.

Analytical results from soil sampled at the Hardinge Filter Water Processor Area at 0.5 foot and 5 feet bgs indicated pH values of 8.27 and 8.16, respectively. Arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, or zinc were each detected at concentrations below the screening criteria, with the exception of arsenic, which was detected at 0.5 foot bgs at a concentration of 2.5 mg/kg which exceeds the screening criteria of 2.4 mg/kg.

3.3.18 Switchyard Perimeter

Five soil borings (B/EB-1 and SRFP-1 through SRFP-4) were advanced around the perimeter of the Switchyard (Figure 2). Samples were collected adjacent to expected sources (SRFP-1 and SRFP-2) and at areas of expected Switchyard surface water runoff (B/EB-1 and SRFP-3), which constitute the most likely expected areas of impact. Borings SRFP-1 and SRFP-2 were located at the eastern outer fenceline of the Switchyard; Borings SRFP-3 and B/EB-1 were located at the northern outer fenceline; and Boring SRFP-4 was located on the western inner fenceline of the switchyard. All borings evaluated impacts by transformer oil, as referenced in Section 3.3.7, Transformers, and were advanced to approximately 3 feet bgs, with the exception of SRFP-3 which was advanced to 6 feet bgs. All borings were sampled at 0.5 foot and 3 feet bgs, while SRFP-3 was also sampled at 5 feet bgs. All samples were analyzed by EPA Method 8080 for PCBs and Method 8015M for TPH.

Analytical results from all soil samples collected along and just within the Switchyard Perimeter, at nominally 1 foot and 3 feet bgs (SRFP-3 at 5 feet bgs), indicated no detectable PCBs or TPH.

3.3.19 Research and Development Area

Two soil borings (RD-1 and RD-2) were advanced to 8 feet and 1 foot bgs, respectively, at the Research and Development Area. RD-1 was sampled at 4.5 and 7.5 feet bgs and was located east of the sumps at the wood gasification plant. RD-2 was sampled at 0.5 foot bgs and was located west of the supply oil and light oil tank storage area at the effluent drainage outfall from the tank impoundment, which would represent the most likely area of impacts. The soil samples from Boring RD-1 were analyzed by EPA Methods 8260 for VOCs and 9045 for pH and by Method 8015M for TPH. RD-2 was analyzed by Method 8015M for TPH.

Analytical results from RD-2 at 1 foot bgs indicated no detected TPH.

Analytical results from RD-1 at 4.5 feet bgs (coincident with the base of the sump), indicated no detected TPH or VOCs and a pH value of 8.32.

Analytical results of the sample collected at 7.5 feet bgs (RD-1-7.5), indicated a pH of 7.91, and concentrations of naphthalene and TPH as crude oil ($TPH_{C10-C40}$) at levels below the screening criteria. However, there was no reason to expect that processes in this area ever used crude oil, so the laboratory chromatogram of the sample was reviewed. As a result of the review, late eluting peaks were identified in the chromatogram. The TPH extract from this sample was subsequently reanalyzed by EPA Method 8270 for semi-volatile organic compounds (SVOCs) which is a method that uses a mass spectrometer. This analysis resulted in numerous tentatively identified compounds (TICs) on the chromatogram. These results were denoted as semiquantitative, because although the analysis was performed on a sample extraction collected within the specified holding time, the holding time to collect additional extractant had been exceeded and therefore no laboratory quality assurance/quality control (QA/QC) samples were collected or analyzed. The following 21 polynuclear aromatic hydrocarbon (PAH) compounds were detected from sample RD-1-7.5: naphthalene, acenapthene, dibenzofuran, fluorene, anthracene, phenanthrene, carbazole, fluoranthene, pyrene, benz(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)-fluoranthene, ideno[1,2,3-cd]anthracene, dibenz[a,h]anthracene, benzo[g,h,i]perylene, 1-methylanthracene, 2-methylanthracene, 4h-cyclopenta[def]phenanthrene, 2-phenyl-napthalene, 11h-benzo[b]fluorene, and tetracosane. Three of these PAHs exceeded the screening criteria for PAH soil concentrations at an industrial site: benz(a)anthracene, detected at a concentration of 4.1 mg/kg, exceeds the screening criteria of 2.6 mg/kg; benzo(b)fluoranthene, detected at 3.1 mg/kg, exceeds the screening concentration of 2.6 mg/kg; and dibenz(a,h)anthracene, detected at a concentration of 1.0 mg/kg, exceeds the screening criteria of 0.26 mg/kg.

To confirm the presence of TICs and to better assess potential impacts in the Research and Development Area, three additional borings were advanced near boring RD-1. Boring RD-3 was placed within 2 feet of RD-1 and Borings RD-4 and RD-5 were placed approximately 20 feet to the south and east, respectively. Samples were collected at 8 and 12 feet bgs and analyzed for TPH and PAHs by Method 8015M and EPA Method 8270, respectively, at each boring.

Analytical results indicated no TPH or PAHs detected in any of the subsequent samples collected from Borings RD-3, RD-4, and RD-5. Thus, the presence of these compounds was not confirmed.

Historical activities conducted at the wood gasification plant in the Research and Development Area reportedly encompassed the temporary storage and processing of bins of chipped, used Edison power poles for the purpose of generating petroleum gas (Edison 1997a). Edison personnel indicated that temporary storage location of the power poles was reportedly in the southwestern corner of the Northeast Agricultural Area, approximately 100 yards east and north of the intersection of Taylor and Pico Streets (Edison 1997a). Power poles used at this facility were likely pre-treated using wood preservatives which may include either creosote, or, more recently, pentachlorophenol. Because the storage location could not be confirmed, no samples were collected and analyzed for the sole purpose of investigating areas of power pole storage.

The evaluation of the sumps by Borings RD-1, RD-3, RD-4, and RD-5 is also referenced in Section 3.3.11, Drains and Sumps.

3.3.20 Demineralizer Sump

An investigation at the makeup Demineralizer Sump, located west of Unit 1 in the yard area, is currently being conducted independently by Edison (Edison 1995). Therefore, no Phase II sampling was conducted in conjunction with the Demineralizer Sump.

3.3.21 Agricultural Area (East Parcel)

The Edison-owned Agricultural Area (East Parcel; known as Sower's Farm) was investigated by Edison staff in June and July of 1995. Analytical data from two adjacent locations within the Agricultural storage area of the East Parcel are summarized in Table 2 and indicate no detection of PCBs or pesticides in soils at 1 foot and 3 feet bgs from the sampled locations.

During the Phase II ESA, one soil boring (AS-1) was advanced to 4.5 feet bgs in the East Parcel and was sampled at 1 foot and 3 feet bgs. AS-1 was located off-site, across Taylor Street at the northeastern corner of the agricultural field east of the site (see Figure 3 for location of field). The boring was located directly to the north of the Aboveground Storage Tank adjacent to the pesticide storage shed within the East Parcel. Both samples collected were analyzed by EPA Method 8080 for PCBs, EPA Method 8140 for pesticides, and Method 8015M for TPH.

Analytical results from soil sampled at 1 foot and 3 feet bgs at location AS-1 indicated no detected PCBs, pesticides, or TPH in either sample.

3.3.22 Agricultural Area (Northeast Parcel)

During the Phase II ESA, three borings were advanced to 5 feet bgs beneath an agricultural waste pile located on Edison property northeast of the Highgrove Generating Station (Northeast Parcel). Each boring was sampled at 0.5 foot and 5 feet bgs and the laboratory was requested to composite all three 0.5 foot bgs samples and all three 5-foot bgs samples. The two composite samples were then analyzed by EPA Method 8080 for PCBs, EPA Method 8140 for pesticides, and Method 8015M for TPH.

Analytical results indicated no TPH or targeted pesticides detected in the 5-foot bgs sample. In the 0.5-foot bgs sample, TPH as crude oil ($TPH_{C10-C40}$) and 4-4-DDE were detected at concentrations below the screening criteria.

3.3.23 Agricultural Area (North Parcel)

Soil samples were collected by Edison in 1993 at three locations within the Agricultural Area (North Parcel) and analyzed for metals and pH. Soil analytical data are summarized in Table 2 and included in Appendix A. Information regarding the precise locations of the three samples is not available. Analytical data summarized in Table 2 from northern lot soils sampled by Edison staff in June of 1993 indicate no areas of potential concern based on pH levels. However, a detection of arsenic at a concentration of 2.7 mg/kg in sample HG93-062801 is slightly above the screening criteria of 2.4 mg/kg used during the Phase II ESA.

3.3.24 Powerblock

Three soil borings (CHI-1, CM-1, and NG-1) were advanced at the Powerblock (Figure 2). CHI-1, located off the northeast corner of control house #2 adjacent to the unit #3 auxiliary transformer, was advanced to 3 feet bgs, and was sampled at 1 and 3 feet bgs. The two samples collected from Boring CHI-1 were analyzed by EPA Methods 8080 for PCBs and Method 8015M for TPH. CM-1 was located at the east wall within the chemical mixing and injection area for units #1 and #2 and was advanced to 3.5 feet bgs. One sample was collected at CM-1 at 3 feet bgs and was analyzed by EPA Method 9045 for pH and Method 8015M for TPH. NG-1 was located beneath the overhead crane adjacent to the negative ground unit east of turbo generator #1. NG-1 was advanced to 0.75 feet bgs and then auger refusal was encountered. One sample was collected at NG-1 at 0.75 feet bgs and was analyzed by Method 8015M for TPH.

Analytical results from Borings CHI-1, NG-1, and CM-1-3, indicate no TPH constituents above screening criteria. The pH of soil sample CM-1-3 was 8.51.

In addition to the Powerblock evaluation, Borings CM-1 and NG-1 also evaluated stains that may have resulted from surface spills, as referenced in Section 3.3.15, Spills. Boring CM-1 was also used to evaluate a floor drain, as referenced in Section 3.3.11, Drains and Sumps.

3.3.25 Drum Storage Area

One soil boring (DS-1) was advanced to 0.5 foot bgs on the southwestern edge of the Drum Storage Area (Figure 2). DS-1 was sampled at 0.5 foot bgs and the sample was analyzed by Method 8015M for TPH and by EPA Method 9045 for pH.

Analytical results from soil sampled at 0.5 foot bgs, indicated a pH value of 8.15. TPH as crude/waste oil ($TPH_{C10-C40}$) was detected at a concentration below the screening criteria.

3.3.26 Hazardous Waste Storage Area

One soil boring (HW-1) was advanced to 7.5 feet bgs on the east side of the Hazardous Waste Storage Area (chlorine house) (Figure 2). Two samples were collected at 1 foot and 5 feet bgs for analysis by EPA Methods 8260 for VOCs and 9045 for pH and by Method 8015M for TPH.

Analytical results from soils sampled from the Hazardous Waste Storage Area indicated no detected TPH or VOCs, and pH values of 7.95 and 8.81, respectively.

3.3.27 Quality Assurance/Quality Control Sample Analytical Results

Analytical data provided by BC Laboratories (BC Labs) were evaluated by Geraghty & Miller chemistry staff to monitor the data for quality parameters and usability. The data validation evaluates the QA/QC measures taken by the laboratory to meet the project data quality objectives (DQOs). DQOs are discussed below in terms of accuracy, precision, completeness, and representativeness in this section. A summary of the validation results with respect to project DQOs is presented following the discussion of DQOs.

It should be noted that BC Labs has reported practical quantitation limits (PQLs) on all analytical reports. These PQLs represent the detection limits identified in the SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996).

3.3.27.1 Accuracy

The accuracy DQO for analyses performed during the Phase II ESA at the Highgrove Generation Station investigation was evaluated based on the results of holding times, blanks, laboratory control samples, instrument calibrations, matrix spikes, and surrogate recoveries.

- **Holding Times** - Sample holding time compliance is related to accuracy because some analyte concentrations may change between the time of sample collection and sample analysis. Some analytes can degrade or transform if analyses are not completed within specified holding times.

- **Blanks** - Blanks are analyzed to determine potential bias in the results of laboratory analyses. Bias can be the result of contamination imparted to samples in the field due to ambient conditions or due to inadequate equipment decontamination resulting in carryover contamination between samples. Equipment blanks were collected to evaluate such possible contamination. For VOCs, trip blanks are transported from and to the laboratory with the VOC sample containers to evaluate external sources of contamination. Laboratory method blanks and preparation blanks are analyzed to determine the presence of laboratory contamination or instrument bias that could affect analytical results.

- **Laboratory Control Samples and Instrument Calibration** - Laboratory control samples (LCSs) are analyzed as a measure of accuracy for sample batches. Instrument calibrations are checked as a measure of accuracy for the method, as well.

- **Matrix Spike Analyses** - Matrix spike (MS) and matrix spike duplicate (MSD) analyses are performed for both organic and inorganic analyses as an indication of accuracy for a specific matrix. BC Labs provides project sample-specific MS/MSD results for all sample batches, regardless of batch size. The MS/MSD results were considered to be representative for all samples submitted in the batch. For organic analyses, MS and MSD recoveries are used in conjunction with other QC data when data are qualified. Additionally, if a metal concentration exceeds the spiking concentration by 4 times, MS and MSD spike recoveries do not apply. The relative percent difference (RPD) comparison between MS and MSD recoveries is also evaluated and is discussed in the following section describing precision.

- **Surrogate Recoveries** - Surrogate spike compounds are added to each sample analyzed for organic compounds (VOCs, TPH, and PCBs). Surrogate recoveries are evaluated as a measure of system performance. Assessment of surrogate recoveries provides a measure of accuracy in terms of bias that may be imparted to sample results due to poor analytical system performance (i.e., leaking purge and trap for VOCs, or incomplete extraction for PCBs and TPH fractions). Surrogate recoveries can also provide an indication of potential matrix interference.

3.3.27.2 Precision

The precision DQO for the Phase II ESA at the Highgrove Generating Station was evaluated based on the comparison of results of MS and MSD analyses and laboratory duplicate analyses.

- **MS/MSD Analyses** - One measure of precision is to evaluate the RPD comparison between project sample-specific MS and MSD recoveries.
- **Laboratory Duplicate Analyses** - Sample-specific laboratory duplicate analyses were performed for inorganic parameters as an additional measure of precision. BC Labs evaluated the precision between laboratory duplicate results as part of their internal method QC. If laboratory duplicate precision did not meet BC Labs' control limits, the batch was re-extracted and re-analyzed for the analyte in question. If precision requirements were still not met, the data from the second set of analyses were reported and were subject to qualification.

3.3.27.3 Completeness

Completeness is calculated as the ratio of data considered to be usable (quantitative and/or estimated) to the entire population of data collected at a site. A total of 59 soil samples were collected during the Phase II ESA at the Highgrove Generating Station investigation and most data were deemed usable. The project completeness DQO was satisfied for all target analytes.

3.3.27.4 Representativeness

Representativeness is a DQO that is satisfied through preparation of an appropriate QAPP and adherence to the plan. One of the primary QA/QC goals of the SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996) was to ensure that samples obtained would be representative of the source and that sufficient sample would be collected so that all required analyses could be performed. Representativeness, like accuracy, is associated with proper sample handling and adherence to required holding times between sample collection and analysis. Representativeness is not a quantitative DQO, with control limits and specific validation criteria. Instead, representativeness can be evaluated based on the ability to implement project analytical requirements successfully. For the Phase II ESA at the Highgrove Generating Station, sufficient sample volume(s) were submitted to BC Labs and generally analyzed within holding times, such that the results could be used to evaluate environmental conditions of the site. The SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996) was successfully implemented and the representativeness DQO is considered to be satisfied.

3.3.27.5 Data Validation and Project Objectives

Analytical results and supporting QC data were reviewed to provide a comprehensive evaluation of the data. All qualified, or "flagged," sample results are indicated in Tables 4A and 4B in the column identified as "Flag" and discussed briefly below. Data validation checklists are included in Appendix E.

Four equipment blanks and four trip blanks were submitted to and analyzed by BC Labs along with a total of 59 soil samples. For 33 soil samples, no results were qualified. At least one analyte or test method was qualified for the other 26 soil samples.

TPH was qualified in two samples because surrogate recoveries were outside the acceptable range. The TPH as crude/waste oil ($TPH_{C10-C40}$) result for one sample was qualified because the surrogate result was high. In one sample, OM1-9, results for all 14 TPH fractions reported were qualified due to low surrogate recovery. One fuel fraction (TPH_{C20-40}) was detected at 21 mg/kg and the other 13 were not detected. Soil screening levels for TPH are 500 mg/kg for 4 to 12 carbon chain-length hydrocarbons (TPH_{C4-C12}), 1,000 mg/kg for $TPH_{C13-C22}$, and 10,000 mg/kg for $TPH_{C23-C32}$. The qualified TPH concentrations ranged from below the PQL to 350 mg/kg ($TPH_{C20-C40}$) [soil screening level of 10,000 mg/kg]). Although these data are qualified as estimated, the actual concentrations are considered to be below the screening level due to the relative insignificance of the reported result in comparison to the screening level, even in consideration of the data qualification.

Selenium results for 12 samples were qualified as estimated due to a low laboratory control sample recovery of 77 percent (laboratory control limits are 80 to 120 percent). Selenium was not detected above the PQL of 1 mg/kg in any of these samples. The screening level for selenium is 8,500 mg/kg. Because the screening level is so much greater than the PQL, above which selenium was not detected, and because selenium was not an anticipated constituent of concern in the subject samples, the interpretation of the data evaluation is that the results are below the screening level.

The results of the pH analysis were qualified as estimated in 14 samples because the analysis was performed after what is considered an appropriate holding time by Geraghty & Miller chemists and in accordance with Method 9045 criteria. Detected pH values for these samples ranged from 6.32 to 8.70. As noted in the data validation report, pH should be analyzed as early as possible after sampling because chemical reactions and temperature fluctuations occurring after sampling may influence the pH. Reported pH results for these 14 samples do not indicate corrosive or hazardous conditions and soil pH is generally stable when held in the laboratory; therefore, the qualified pH results are assumed to be within acceptable limits.

Of the Method 8080 analyses performed, 4,4-DDE and methoxychlor were qualified as estimated ("UJ" or "J" flags) in Samples AGNE-1-0.5 and AGNE-1-5 because continuing calibration of laboratory instrumentation was outside the acceptable range. Of these analytes, the only reported detection was 4,4-DDE (at 0.035 mg/kg in AGNE-1-0.5); the PQL for the nondetected analytes is 0.0002 mg/kg. Screening criteria for 4,4-DDE and methoxychlor are 5.6 and 34,000 mg/kg, respectively. Although these data are qualified as estimated, the actual concentrations are considered to be below the screening criteria due to the relative insignificance of the reported result in comparison to the screening criteria, even in consideration of the data qualification.

Of the Method 8260 analyses performed, 2,2-dichloropropane was qualified ("UJ") in three samples because continuing calibration of laboratory instrumentation was outside the acceptable range. A screening criteria has not been established for 2,2-dichloropropane, which was not detected in either sample (SP-1-55, SP-1-60, and SP-2-55). These results are qualified, but usable, and the lack of any other detected VOCs in these samples allows the assessment that VOC concentrations do not exceed screening criteria in these samples.

Of the Method 8270B analyses performed, the following data were qualified: benzoic acid, 2-methyl-4,6-dinitrophenol, endrin aldehyde, and endrin were qualified as estimated ("UJ" flag) in Samples RD-3-8, RD-3-12, RD-4-8, RD-4-12, RD-5-8, and RD-5-12; 2,4-dinitrophenol was qualified as estimated ("UJ" flag) in Samples RD-5-8 and RD-5-12; 2,4-dinitrophenol

was rejected ("R" flag) in Samples RD-3-8, RD-3-12, RD-4-8, and RD-4-12; and endosulfan I and heptachlor epoxide were rejected ("R" flag) in Samples RD-5-8 and RD-5-12. None of these analytes were detected. The narrative description of Method 8270B acknowledges that many of the 89 compounds on the 8270B analyte list can only be estimated because not all respond well to the test method. Furthermore, several compounds are not "target analytes" of the method, in that the compounds are more accurately measured by another test method, such as 8080, for PCBs/pesticides. Endrin aldehyde, endrin, endosulfan I, and heptachlor epoxide are four such compounds that were qualified. These were not target analytes of this investigation and had Geraghty & Miller sought confirmation or quantitation of these compounds, Method 8080 PCBs/Pesticides would have been requested. Borings RD-3, RD-4, and RD-5 were sampled and analyzed to confirm the presence of the tentatively identified PAHs reported in Boring RD-1. As such, the remaining three qualified compounds, benzoic acid, 2-methyl-4,6-dinitrophenol, and 2,4-dinitrophenol, were not targeted analytes and their data qualification does not interfere with the data quality objectives.

Each of the blanks submitted to the laboratory were analyzed and the results were evaluated. Four equipment rinsate blanks were submitted in support of the investigation, representing approximately 6.8 percent of the total number of samples. This percentage exceeds the target frequency of 5 percent stated in the SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996), and is considered sufficient to evaluate possible field contamination. The frequency of laboratory method blank analyses satisfied method requirements for each type of analysis performed. No analytes were detected in either of the trip blanks, implying that contamination did not occur during transport of VOC samples. Chloroform and methylene chloride were detected in one of the three equipment blanks; however, these analytes were not detected above the PQL in the associated soil samples, indicating that the reported sample results were unaffected by blank contamination.

After the initial sample submittal, an additional analysis was performed on sample RD-1-7.5. Results of the analysis indicated that 21 PAHs were detected as TICs. This analysis was performed on a sample extraction that was collected within the specified holding time; however, the holding time to collect additional extractant had been exceeded when the analysis was requested; therefore, no laboratory QA/QC samples were collected or analyzed. Without QA/QC data to validate, the results of this TIC Report must be considered semi-quantitative.

3.3.27.6 Validation Summary

All data packages received from BC Labs were validated by Geraghty & Miller chemistry staff and were found to be acceptable, with the exceptions noted in the previous section and detailed in the individual validation checklists. The analytical results generated during the Phase II ESA were used to evaluate the environmental conditions at the Highgrove Generating Station. The quality of analytical work performed was acceptable and sufficient to meet the requirements of the SAP/QAPP (Hydro-Search, CH2M Hill, Geraghty & Miller 1996). The overall project DQO, to collect data of technical soundness and legal defensibility, was achieved.

4.0 CONCLUSIONS AND RECOMMENDATIONS

A total of 26 site features, with the potential for historic or current releases of hazardous substances or petroleum products at the Highgrove Generating Station and adjacent Edison-owned properties, have been identified on the basis of a Phase I ESA (CH2M Hill 1997) and on the basis of site visits, interviews with Edison staff, and historic document review conducted by Geraghty & Miller. The following sections discuss the conclusions and recommendations for each site feature investigated.

Several soil samples in the vicinity of the Cooling Towers, Pipelines, Septic Tank and Seepage Pits, Hardinge Filter Water Processor Area, and Agricultural Area (North Parcel) had arsenic concentrations in excess of the screening criterion. Because the wood used to construct the Cooling Towers was treated with a compound containing arsenic, the cooling towers represent a potential mechanism for airborne or subsurface arsenic disbursement. However, the screening criteria used for arsenic is a relatively low concentration that assumes conservatively protective human exposure conditions and is well below hazardous waste criteria which are developed for groundwater protection. Additionally, a report on element concentrations in soils of the conterminous United States, prepared by the USGS, indicates that the mean arsenic background concentration in soil samples collected in the western United States is 7 mg/kg (USGS 1984). The range of arsenic background concentrations in soil in the western United States is quoted in the report as <0.1 to 97 mg/kg (USGS 1984).

At Edison's request, groundwater sampling and analysis were outside the scope of work for this Phase II investigation. Any reference to groundwater wells, domestic supply wells, or other groundwater conditions is provided for background purposes only. Geraghty & Miller has not reached any independent conclusions and has made no recommendations in connection with groundwater issues.

4.1 Conclusions and Recommendations by Site Features

4.1.1 Hazardous Waste Site (Off-Site)

Regulatory agency records document the presence of metals-impacted soils and groundwater at the former plating facility, east of and adjacent to the Highgrove Generating Station. Complete delineation of the extent of soil and groundwater impact at the former plating facility was not available in the agency records. Analytical results did not document a link between releases (other than Waste Discharges, Section 4.1.2) at the former plating facility and impacts to soil at the Highgrove Generating Station. Groundwater sampling was not conducted in the Phase II ESA work scope and Geraghty & Miller has found no evidence that releases from the former plating facility have impacted groundwater beneath the generating station.

Because groundwater sampling and analysis were outside the scope of work for this Phase II investigation, no conclusions or recommendations are made in connection with groundwater issues.

4.1.2 Waste Discharges (From Off-Site)

Review of regulatory agency and Edison file records indicates the potential for releases at the former plating facility and lumber yard (east of, adjacent to, and upslope from the Highgrove Generating Station) to have impacted soils at the generating station via surface water runoff into the concrete drainage channels which collect surface water runoff and subsequently discharge this runoff into the Cooling Tower Discharge Pond, which is the basin for on-site and off-site surface water drainage at the southern margin of the Highgrove Generating Station. Additionally, a discharge of wastewater from the Cobb Company has been documented to occur at the station. During the Phase II ESA, soil sampling was conducted at four locations within the Cooling Tower Discharge Pond. Analytical results did not document a link between releases at the former plating facility and impacts to soil at the generating station. Based on these data, no further action is recommended at the Cooling Tower Discharge Pond. Potential soil impacts along the concrete drainage channels were not investigated during the Phase II ESA. As a result, agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning.

4.1.3 Retention Basins

The East and West Retention Basins were not addressed in the Phase II scope of work because on-going, concurrent investigations that address these features are being conducted independently by Edison. As a result, no conclusions are drawn for the Retention Basins.

4.1.4 Underground Storage Tanks

No TPH concentrations were detected at the UST sampled. Therefore, no further action is recommended at the Units #1 and #2 lube oil reservoir at this time. Agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning.

4.1.5 Aboveground Storage Tanks

The investigation around the Aboveground Storage Tanks was limited by the Phase II scope of work. However, no concentrations of TPH in soil samples that were collected at the Aboveground Storage Tanks exceeded the screening criteria. No further action is recommended at the Aboveground Fuel Tanks at this time. Agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of station decommissioning.

4.1.6 Tank Containment Structures

Previous sampling conducted by Edison detected TRPH concentrations possibly exceeding the screening criteria (depending on fuel fraction) in shallow soil. The Phase II sampling did not detect TPH at a depth of 5 feet bgs.

Based on these results, no further action is recommended at the Tank Containment Structures at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of station decommissioning.

4.1.7 Transformers

Phase II sampling included seven borings near locations of transformers and PCB-containing switches. See the Switchyard Perimeter, Powerblock, and Cooling Tower Sections for conclusions and recommendations.

4.1.8 Cooling Towers

As discussed in Section 3.3.8, sludge samples collected from Cooling Towers #1 through #4 on June 3, 1996 indicated arsenic concentrations above screening criteria. Edison has subsequently removed and disposed of the Cooling Tower sludge (Edison 1997b). Soil samples in the vicinity of the Cooling Towers exhibited arsenic concentrations in excess of the screening criteria. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

4.1.9 Plant Wastewater Discharge/Surface Water Discharge

As discussed in Section 3.3.9, an NOV was issued by the CRWQCB to Edison for NPDES permit exceedances of copper and lead in wastewater discharges to the Santa Ana River. Edison is reportedly currently assessing the situation with regulatory agencies. Storm water runoff sampled by Edison from locations downslope from the former plating facility and the lumber yard have been shown to contain copper concentrations, that exceed the station's average and maximum NPDES permit limitations. The Phase II soil sampling detected CAM Metals at concentrations below the screening criteria. Based on these results, there exists no documented impact to soils from surface water runoff from the former plating facility, and therefore, no further action is recommended at the Cooling Tower Discharge Pond.

4.1.10 Pipelines

Soil samples in the vicinity of the Pipelines exhibited arsenic concentrations in excess of the screening criteria. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

4.1.11 Drains and Sumps

Not all Drains and Sumps were addressed in the Phase II scope of work because on-going, concurrent investigations that address these features are being conducted independently by Edison. Phase II sampling conducted adjacent to Drains and Sumps is included in the Aboveground Storage Tanks and Research and Development Area Sections.

4.1.12 Oil/Water Separator

The Oil/Water Separator was not addressed in the Phase II scope of work because an on-going, concurrent investigations that address this feature are being conducted independently by Edison. As a result, no conclusions are drawn for the Oil/Water Separator.

4.1.13 Water Supply Wells

Evaluation of available, historic monitoring records indicates that the following parameters have been detected at concentrations above Primary or Secondary MCLs in water samples from the listed Edison-owned groundwater production wells: turbidity (Well #1), bacteria counts (Well #1), iron (Wells #1 and #3), manganese (Well #1), and pH (Well #1). Additionally, free-phase hydrocarbon (pump lubrication oil) has been reported to exist in Well #1 and the Pico Street Well. Based on these available data, past impacts to Edison-owned, Water Supply Wells are documented.

The data reviewed indicate that Wells #1 and #3 are impacted; however, because groundwater sampling and analysis were outside the scope of work for this Phase II investigation, no recommendations are made in connection with groundwater issues at the Highgrove Generating Station.

4.1.14 Septic Tank and Seepage Pits

Based on results of the Phase II investigation of the Septic Tank and Seepage Pit System located east of the East Retention Pond, arsenic was detected at a concentration exceeding the screening criteria in a sample collected from a 60-foot depth adjacent to a seepage pit. TPH and organics were not detected. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

Direct human exposure to soils at a 60-foot depth is not likely, and this fact may be included in regulatory discussions to negotiate toward a no further action agreement.

4.1.15 Spills

The Phase II sampling did not detect TPH or PCBs in soil samples collected in the Powerblock at areas of suspected Spills. See Powerblock Section for conclusions and recommendations.

4.1.16 Acid Sludge Disposal Area

Available data from Edison associated with the soil excavations conducted at the Acid Sludge Disposal Area indicate that the soil impacts were limited in extent and Edison appeared to have completely removed the impacted soils through overexcavation and off-site disposal. Based on this information, no further action is recommended at the Acid Sludge Disposal Area.

4.1.17 Hardinge Filter Water Processor Area

A soil sample adjacent to the Hardinge Filter Water Processor was identified as having an arsenic concentration above the screening criteria. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

4.1.18 Switchyard Perimeter

The Phase II sampling did not detect TPH or PCBs around the perimeter of the Switchyard. As a result, no further action is recommended around the Switchyard Perimeter.

4.1.19 Research and Development Area

Based on investigative results in the vicinity of the Research and Development Area sumps, including the resampling of boring location RD-1 at a similar depth (7.5 to 8.0 feet bgs) and the sampling of two additional borings (which did not confirm the presence of TPH or PAHs in soils beneath the wood gasification sump), the previous semiquantitative results of detected TPH and PAHs in soils from boring RD-1 are considered anomalous, and no further action is recommended.

4.1.20 Demineralizer Sump

The Demineralizer Sump was not addressed in the Phase II scope of work because on-going, concurrent investigations that address this feature are being conducted independently by Edison.

4.1.21 Agricultural Area (East Parcel)

Previous sampling did not detect PCBs or pesticides in this area. Phase II sampling did not detect PCBs, pesticides, or TPH in this area. Based on these data, no further action is recommended in the East Parcel.

4.1.22 Agricultural Area (Northeast Parcel)

The Phase II sampling detected TPH and 4,4-DDE concentrations below screening criteria in soil samples collected beneath of the agricultural refuse pile. Based on these data, no further action is recommended in the Northeast Parcel.

4.1.23 Agricultural Area (North Parcel)

Previous soil sampling detected the presence of CAM Metals below screening criteria, with the exception of arsenic, which exceeded the screening criteria. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

4.1.24 Powerblock

The Phase II investigation of the Powerblock was limited due to restricted access. No further action is recommended at the Powerblock at this time. Agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of station decommissioning.

4.1.25 Drum Storage Area

The Phase II sampling detected TPH at concentrations in shallow soil lower than the screening criteria. Based on this data, no further action is recommended at the Drum Storage Area.

4.1.26 Hazardous Waste Storage Area

The Phase II sampling did not detect TPH or VOCs in soil at the Hazardous Waste Storage Area. Based on this data, no further action is recommended at the Hazardous Waste Storage Area.

4.2 Summary of Conclusions and Recommendations

Three of the 26 site features were not addressed in the Phase II scope of work because of on-going, concurrent investigations that are being conducted independently by Edison which address these features. As a result, no conclusions are drawn on the following site features:

- Retention Basins;
- Oil/Water Separator; and
- Demineralizer Sump.

Two of the site features are related to groundwater issues. Because the Phase II scope was limited to review of available documents only, no conclusions or recommendations are made in connection with groundwater issues for these two site features. These two features are:

- Hazardous Waste Site (Off-Site); and
- Water Supply Wells

Four of the site features were combined with other site features during the Phase II investigation. These include:

- Tank Containment Structures (included in Aboveground Storage Tanks);
- Transformers (included in Switchyard Perimeter, Powerblock, and Cooling Towers);
- Drains and Sumps (included in Underground Storage Tanks and Research and Development Area); and
- Spills (included in Powerblock).

Five site features were identified as having arsenic concentrations in soil above the screening criteria. It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use. These site features are:

- Cooling Towers;
- Pipelines;
- Septic Tank and Seepage Pits;
- Hardinge Filter Water Processor Area; and
- Agricultural Area (North Parcel).

At four of the site features, no further action is recommended at this time; however, agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning. These site features are:

- Waste Discharges (From Off-Site);
- Underground Storage Tanks;
- Aboveground Storage Tanks; and
- Powerblock.

Based on the Phase II investigation, the remaining eight site features were identified as requiring no further action:

- Plant Wastewater Discharge/Surface Water Discharge;
- Acid Sludge Disposal Area;
- Switchyard Perimeter;
- Research and Development Area;
- Agricultural Storage (East Parcel);
- Agricultural Area (Northeast Parcel);
- Drum Storage Area; and
- Hazardous Waste Storage Area.

Based on the data validation conducted for this Phase II ESA, the quality of analytical work performed was acceptable and was sufficient to meet the requirements of the Sampling and Analysis Plan (SAP) and the Quality Assurance Project Plan (QAPP). The overall project data objective, to collect data of technical soundness and legal defensibility, was achieved.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of Edison for the specific purpose of evaluating the potential environmental liability associated with the Highgrove Generating Station. No warranty, expressed or implied, is made. Geraghty & Miller makes no representation regarding whether this investigation constitutes "all appropriate inquiry into the previous ownership and uses of this property consistent with good commercial or customary practice" as defined in Section 101 (35)(B) of CERLA. There are no beneficiaries of this report other than Edison, and no third party is entitled to rely upon this report without the written authorization of Geraghty & Miller, and a written agreement limiting Geraghty & Miller's liability.

Geraghty & Miller is not responsible for any claims, damages, or liabilities associated with the interpretation of these findings or reuse of the analysis, associated site data, or recommendations by third parties without the express written authorization of Geraghty & Miller. Limitations of this assessment may not be altered or waived without written consent of Geraghty & Miller.

It was beyond Geraghty & Miller's scope of work to conduct any field activities associated with groundwater. It was also beyond Geraghty & Miller's authorized scope of work to review: (1) materials containing asbestos, (2) the presence or radon, (3) the presence or lead-based paint, (4) lead in drinking water, (5) identification or delineation of jurisdictional wetlands, (6) issues associated with worker health and safety, (7) issues pertaining to compliance with environmental regulations, or (8) liabilities associated with the offsite management of solid or hazardous wastes. It was also beyond the scope of work to conduct interviews with local government officials. the exclusion of the above items is not a representation of the relevance of these nonscope considerations to the subject property.

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. These services were performed consistent with our agreement with our client.

This is a technical report and is not a legal representation or interpretation of environmental laws, rules, regulations, or policies of local, state, or federal governmental agencies. We also do not warrant the accuracy of information supplied by others nor the use of segregated portions of this report.

Any opinions or recommendations presented herein apply to site conditions existing when services were performed. Geraghty & Miller is unable to report on or accurately predict events that may change the site conditions after the described services are performed, whether occurring naturally or caused by external forces.

No investigation is thorough enough to exclude the presence of hazardous substances at a given site. If hazardous substances or hazardous conditions have not been identified during the assessment, such a finding should not therefore be construed as a guarantee of the absence of such substances or conditions, but rather as the result of the services performed within the scope and limitations of the work performed.

SIGNATURE PAGE

HIGHGROVE GENERATING STATION
PHASE II ENVIRONMENTAL SITE ASSESSMENT

June 6, 1997

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TABLES

Table 1

Summary of Investigated Site Features
Highgrove Generating Station

Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
Current and Past Use of Adjoining Properties				
1. Hazardous Waste Site (Off-Site)	K&N Plating site and suspected subsurface contamination	A records review was conducted.	Adjacent properties, particularly the plating facility to the east, may potentially impact site surface or subsurface.	No further action for soil at the Highgrove Generating Station. No conclusions or recommendations are made regarding groundwater.
2. Waste Discharges (From Off-Site)	Cobb Company and lumber yard to southeast and suspected resulting surface contamination on Edison site.	A records review was conducted.	Reported surface discharges from the plating facility to the east may have impacted surface run-on to the facility.	No further action at the Cooling Tower Discharge Pond; however, along the concrete drainage channels agency negotiation, additional sampling, and/or remediation may be necessary or appropriate as part of decommissioning.
Current and Past Use of Highgrove Generating Station Property				
3. Retention Basins	Potential leaks and resulting subsurface contamination.	On-going Leak Detection Investigation being conducted independently by Edison.	Not applicable.	Not applicable.
4. Underground Storage Tanks	Suspected leaks and resulting subsurface contamination from suburface metal lube oil tanks.	Previous Edison Investigation included Leak Alert Letter (1986) for Lube oil tanks. Phase II sampling included 2 borings near Underground Storage Tanks.	Phase II sampling did not detect TPH at this feature.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.

Table 1

Summary of Investigated Site Features
Highgrove Generating Station

Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
5. Aboveground Storage Tanks	Existing or suspected subsurface contamination at Aboveground Storage Tanks and centrifuge sumps.	Previous Edison sampling included 14 borings near Aboveground Storage Tanks (ASTs). Phase II sampling included 8 borings near ASTs. See Research and Development Area Section for additional Phase II investigation (1 boring).	Previous sampling detected TRPH at concentrations below SC. Phase II sampling detected TPH at concentrations lower than SC.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
6. Tank Containment Structures	Pump house near the tank area, observed stains and suspected resulting subsurface contamination.	Previous Edison sampling included soil excavation and sampling (2 borings) at pump house (1988). Phase II sampling included 2 borings at pump house, which are also included in the Aboveground Storage Tank Section.	Previous sampling detected TRPH concentrations possibly exceeding SC (depending on fuel fraction) in shallow soil. See Aboveground Storage Tank Section for Phase II investigation results.	See Aboveground Storage Tank Section for recommendations.
7. Transformers	Potential leaks and Spills from transformers, resulting in subsurface contamination.	Phase II sampling included 7 borings near location of transformers and PCB-containing switches. See Switchyard Perimeter, Powerblock, and Cooling Tower Sections.	See Switchyard Perimeter, Powerblock, and Cooling Tower Sections for Phase II investigation results.	See Switchyard Perimeter, Powerblock, and Cooling Tower Sections for recommendations.
8. Cooling Towers	Potential metals in soil and groundwater surrounding and beneath tower basins.	Phase II sampling included 5 borings near Cooling Towers.	Phase II sampling detected CAM metals. Only arsenic concentrations exceeded SC, at a maximum depth of 8 ft. No PCBs were detected.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.
9 Plant Wastewater Discharge/Surface Water Discharge	Copper above NPDES limits from pond, compliance liability.	Phase II sampling included 3 borings near the Cooling Tower Discharge Pond.	Phase II sampling detected CAM metals at concentrations lower than SC at this feature.	No further action.

Table 1

Summary of Investigated Site Features
Highgrove Generating Station

Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
10. Pipelines	Subsurface pipes never tested, potential leaks and resulting subsurface contamination.	Phase II sampling included 3 borings along the subsurface Pipelines.	Phase II sampling detected CAM metals. Only arsenic concentrations exceeded SC. TPH detected at concentrations lower than SC. VOCs were not	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.
11. Drains and Sumps	Oil stains and oil in trench drains in Powerblock and sumps and suspected resulting subsurface contamination.	On-going Leak Detection Investigation being conducted independently by Edison. Phase II investigation included 7 borings near Drains and Sumps. See AST and Research and Development Area Sections.	Not applicable with respect to on-going investigation being conducted independently by Edison. See AST and Research and Development Area Sections for Phase II investigation results.	Not applicable with respect to on-going investigation being conducted independently by Edison. See AST and Research and Development Area Sections for recommendations.
12. Oil/Water Separator	Subsurface concrete vault with no observed lining or leak detection, suspected leaks and resulting subsurface contamination.	On-going Leak Detection investigation being conducted independently by Edison.	Not applicable.	Not applicable.
13. Water Supply Wells	Reported release of oil to Wells #1 and #5; foul odors and bacteria reported in Well #1.	Previous Edison sampling included biological and chemical analyses of groundwater from Wells #1 through #5.	Previous sampling detected TCE and PCE (below MCLs), iron and manganese (above secondary MCLs), bacteria, and free product in on-site well #1, and free product in off-site well #5.	No recommendations are made regarding groundwater.

Table 1

Summary of Investigated Site Features
Highgrove Generating Station

Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
14. Septic Tank and Seepage Pits	Potential disposal of hazardous materials and resulting subsurface contamination.	Phase II sampling included 3 borings at reported Septic Tank and Seepage Pit locations.	Phase II sampling did not detect VOCs or TPH at this feature. Arsenic concentrations exceeded SC in one sample at 55 feet bgs.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.
15. Spills	Oil stains in Powerblock at various locations and suspected resulting subsurface contamination.	Phase II sampling included 2 borings at stained surfaces in the Powerblock. These samples are included in the Powerblock Section.	See Powerblock Section for Phase II investigation results.	See Powerblock Section for recommendations.
Additional Areas:				
16. Acid Sludge Disposal Area	Concern of depressed pH in soils.	Independent Edison investigation and remediation detected and removed soil with high metals concentrations and low pH levels.	Previous sampling detected metals and pH values outside of screening criteria. Subsequent excavation removed all impacted soil, as demonstrated by confirmation sampling. Phase II investigation did not collect soil samples.	No further action.
17. Hardinge Filter Water Processor Area	Suspect use of acids and suspected release of metals.	Phase II sampling included 1 boring at the Hardinge Filter-Water Processor Area.	Phase II sampling detected CAM metals. Arsenic concentrations exceeded SC in one sample at a depth of 0.5 ft.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

Table 1

Summary of Investigated Site Features
Highgrove Generating Station

Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
18. Switchyard Perimeter	Potential for soil contamination.	Phase II sampling included 5 borings along the Switchyard Perimeter.	Phase II sampling did not detect PCBs or TPH around the perimeter of the Switchyard.	No further action.
19. Research and Development Area	Suspected use of hazardous chemicals, potential releases to subsurface.	Phase II sampling included 5 borings at the Research and Development Area.	Napthalene and TPH were detected at concentrations lower than SC.	No further action.
20. Demineralizer Sump	Potential pH impacts to subsurface soils.	On-going Sump Integrity Program being conducted independently by Edison.	Not applicable.	Not applicable.
21. Agricultural Area (East Parcel)	Storage and possible release of fuels, fertilizers, and pesticides to subsurface.	Previous Edison sampling included 2 borings in Agricultural Area (East Parcel). Phase II sampling included one boring in this area.	Previous sampling did not detect PCBs or pesticides in this area. Phase II sampling did not detect PCBs, pesticides, or TPH in this area.	No further action.
22. Agricultural Area (Northeast Parcel)	Reported storage of chemically treated, used Edison poles, potential leaching to soils; waste pile of trash and empty fertilizer/pesticide containers, potential release to soils.	Phase II sampling included 3 borings in the Agricultural Area (Northeast Parcel).	Phase II sampling detected pesticides and TPH at concentrations lower than SC.	No further action.
23. Agricultural Area (North Parcel)	Documented elevated soil arsenic concentration above SC.	Previous Edison sampling included 3 borings in the Agricultural Area (North Parcel).	Previous sampling detected CAM metals. Arsenic exceeded SC.	It is recommended that Edison conduct an environmental risk screening evaluation for demonstrating the safety of the site for industrial use and/or request a letter from the appropriate agency which confirms that no risk management or remediation is needed for continued industrial use.

Table 1

Summary of Investigated Site Features
Highgrove Generating Station

Site Feature	Issue	Phase II Investigation	Phase II Investigation Results	Recommendations
24. Powerblock	Potential for soil contamination.	Phase II sampling included 3 borings in and around the Powerblock Area.	Phase II sampling did not detect PCBs or TPH. Investigation limited due to restricted access.	No further action at this time. Agency negotiation, additional sampling and/or remediation may be necessary or appropriate as part of decommissioning.
25. Drum Storage Area	Potential discharges and resulting subsurface contamination.	Phase II sampling included one boring at the Drum Storage Area.	Phase II sampling detected TPH at concentrations lower than SC at this feature.	No further action.
26. Hazardous Waste Storage Area	Potential discharges and resulting subsurface contamination.	Phase II sampling included one boring at the Hazardous Waste Storage Area.	Phase II sampling did not detect VOCs or TPH at this feature.	No further action.

AST	Aboveground storage tanks
CAM	California Assessment Manual
ft	Feet
MCLs	Maximum Contaminant Levels
NPDES	National Pollutant Discharge Elimination System
PCBs	Polychlorinated biphenyls
PCE	Tetrachloroethene
SC	Screening Criteria
TCE	Trichloroethene
TPH	Total petroleum hydrocarbons
TRPH	Total recoverable petroleum hydrocarbons (EPA 418.1)
VOCs	Volatile organic compounds

Table 2

Summary of Previous Site Investigative Data
Highgrove Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Retention Basin				
No information available in documentation supplied by Edison.				No documents available.
Underground Storage Tanks				
Lube oil Tanks(#154,155)	NA	NA	NA	Leak Alert Letter, 1986.
Aboveground Storage Tanks				
T-1/Trench 1	Soil	TPH (418.1)	ND @ 0.5 foot bgs ND @ 1.0 foot bgs ND @ 3.0 feet bgs	Edison 1996f.
T-1/Trench 2	Soil	TPH (418.1)	ND @ 0.5 foot bgs 30 ppm @ 1.0 foot bgs ND @ 3.0 feet bgs	Edison 1996f.
T-1/Trench 3	Soil	TPH (418.1)	ND @ 0.5 foot bgs ND @ 1.0 foot bgs ND @ 3.0 feet bgs	Edison 1996f.
T-1/Trench 4	Soil	TPH (418.1)	ND @ 0.5 foot bgs ND @ 1.0 foot bgs ND @ 3.0 feet bgs	Edison 1996f.
T-2/Trench 1	Soil	TPH (418.1)	ND @ 0.5 foot bgs ND @ 1.0 foot bgs ND @ 3.0 feet bgs	Edison 1996f.

Table 2

Summary of Previous Site Investigative Data
Highgrove Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
T-2/Trench 2	Soil	TPH (418.1)	ND @ 0.5 foot bgs ND @ 1.0 foot bgs	Edison 1996f.
T-2/Trench 3	Soil	TPH (418.1)	30 ppm @ 0.5 foot bgs ND @ 1.0 foot bgs ND @ 3.0 feet bgs	Edison 1996f.
T-2/Trench 4	Soil	TPH (418.1)	ND @ 0.5 foot bgs 30 ppm @ 1.0 foot bgs ND @ 3.0 feet bgs	Edison 1996f.
T-3/Trench 1	Soil	TPH (418.1)	ND @ 0.5 foot bgs ND @ 1.0 foot bgs	Edison 1996f.
T-3/Trench 2	Soil	TPH (418.1)	20 ppm @ 0.5 foot bgs ND @ 1.0 feet bgs	Edison 1996f.
T-3/Trench 3	Soil	TPH (418.1)	ND @ 0.5 foot bgs 20 ppm @ 1.0 foot bgs 20 ppm @ 3.0 feet bgs	Edison 1996f.
T-3/Trench 4	Soil	TPH (418.1)	110 ppm @ 0.5 foot bgs ND @ 1.0 foot bgs 20 ppm @ 3.0 feet bgs	Edison 1996f.
Day Tank #1	NA	NA	NA	Edison 1996f.
Day Tank #2	NA	NA	NA	Edison 1996f.
HGS-A (39K tank)	Soil	TPH (418.1)	6 ppm	Edison 1996f.
HGS-B (39K tank)	Soil	TPH (418.1)	550/520 ppm	Edison 1996f.

Table 2

Summary of Previous Site Investigative Data
Highgrove Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Tank Containment Structures				
No information available in documentation supplied by Edison.				No documents available.
Transformers				
#1 Aux. Trans	Transformer/Oil	PCBs	580 ppm	Analytical Associates, 1980; Highgrove G.S. PCB Equipment List, October 1996.
#2 Aux. Trans	Transformer/Oil	PCBs	180 ppm	
#1 Main Trans	Transformer/Oil	PCBs	3 ppm	
#2 Main Trans	Transformer/Oil	PCBs	7 ppm	
#3 Main Trans	Transformer/Oil	PCBs	1 ppm	
#4 Main Trans	Transformer/Oil	PCBs	1 ppm	
#1 Station Service	Transformer/Oil	PCBs	300 ppm	
#2 Station Service	Transformer/Oil	PCBs	290 ppm	
#3 Station Service	Transformer/Oil	PCBs	2 ppm	
#4 Station Service	Transformer/Oil	PCBs	4 ppm	
#1 Reserve Trans	Transformer/Oil	PCBs	10 ppm	
Cooling Towers				
CIRC 1 & 2	Cooling Tower Sludge	Arsenic	45 mg/kg	Lab reports from June 3, 1996.
CIR 3& $	Cooling Tower Sludge	Arsenic	16 mg/kg	
Plant Wastewater Discharge/Surface Water Discharge				
No information available in documentation supplied by Edison.				No documents available.
Pipelines				
No information available in documentation supplied by Edison.				No documents available.

Table 2

Summary of Previous Site Investigative Data
Highgrove Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Drains and Sumps				
Oil/Water Separator Boiler Water Retention Floor Drain Retention	Soil Soil/Soil gas Soil/Soil gas	TPH, pH TPH, pH TPH, pH	Investigation underway, results not yet available	Leak Detection Investi-gation Report, Edison, pending completion, personal communication with Pat Hamilton of Edison, October 1996.
Oil/Water Separator				
No information available in documentation supplied by Edison.				No documents available.
Water Supply Wells				
No information available in documentation supplied by Edison.				No documents available.
Septic Tank and Seepage Pits				
No information available in documentation supplied by Edison.				No documents available.
Spills				
No information available in documentation supplied by Edison.				No documents available.

Table 2

Summary of Previous Site Investigative Data
Highgrove Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Acid Sludge Disposal Area				
West Property Line, west of Tank #3	Soil	CAM Metals	Post excavation confirmation sampling indicated metals, VOCs, semi-volatile compounds, PCBs, and pesticides at concentrations below screening criteria. Low pH values and high cadmium concentrations were detected. Following final excavation, all analytical parameters of remaining soil were within acceptable limits.	Personal communication with Edison.
Hardinge Filter Water Processor Area				
No information available in documentation supplied by Edison.				No documents available.
Switchyard Perimeter				
No information available in documentation supplied by Edison.				No documents available.
Research and Development Area				
No information available in documentation supplied by Edison.				No documents available.
Demineralizer Sump				
	Soil	pH (9045)	Investigation by Edison underway, results not yet available.	Sump Integrity Test Plan, Edison 1995, pending completion.

Table 2

Summary of Previous Site Investigative Data
Highgrove Generating Station

Sample (ID)	Media	Analysis	Results	Reference Document
Agricultural Storage Area (East Parcel)				
SF-1 1 ft	Soil	8080 (PCBs only)	ND	Core Laboratories Analytical Report, 6/95.
SF-2 3 ft	Soil	8080 (PCBs only)	ND	
SF-3 1 ft	Soil	8080/8140	ND	Core Laboratories Analytical Report, 7/95.
SF-4 3 ft	Soil	8080/8140	ND	
Agricultural Area (Northeast Parcel)				
No information available in documentation supplied by Edison.				No documents available.
Agricultural Area (North Parcel)				
HG93-062801 HG93-062802 HG93-062803	Soil Soil Soil	6010/pH 6010/pH 6010/pH	The following metals had reportable levels: antimony, arsenic, barium, cadmium, chromium (total), cobalt, copper, lead, nickel, vanadium, and zinc. Please see Appendix C for the results.	Calscience Environmental Lab Report and Edison Memo, July 2, 1993.
Powerblock				
No information available in documentation supplied by Edison.				No documents available.
Drum Storage Area				
No information available in documentation supplied by Edison.				No documents available.
Hazardous Waste Storage Area				
No information available in documentation supplied by Edison.				No documents available.

Table 3

Summary of Soil Screening Level Criteria
Highgrove Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
Title 22 Metals			
EPA 6010	Antimony	680	mg/kg
EPA 6010	Arsenic	2.4	mg/kg
EPA 6010	Barium	100,000	mg/kg
EPA 6010	Beryllium	1.1	mg/kg
EPA 6010	Cadmium	850	mg/kg
EPA 6010	Chromium	450	mg/kg
EPA 6010	Cobalt	97,000	mg/kg
EPA 6010	Copper	63,000	mg/kg
EPA 6010	Lead	1,000	mg/kg
EPA 6010	Molybdenum	8,500	mg/kg
EPA 6010	Nickel (soluble salts)	34,000	mg/kg
EPA 6010	Nickel subsulfide	11,000	mg/kg
EPA 6010	Selenium	8,500	mg/kg
EPA 6010	Silver	8,500	mg/kg
EPA 6010	Thallium*	120	mg/kg
EPA 6010	Vanadium	12,000	mg/kg
EPA 6010	Zinc	100,000	mg/kg
EPA 7471	Mercury	68	mg/kg
Polychorinated Biphenyls\Pesticides			
EPA 8080	Aldrin	0.11	mg/kg
EPA 8080	alpha-BHC (aka alpha-HCH)	0.3	mg/kg
EPA 8080	beta-BHC	1.1	mg/kg
EPA 8080	Chlordane (Technical)	1.5	mg/kg
EPA 8080	delta-BHC (aka delta-HCH)	NA	mg/kg
EPA 8080	Dieldrin	0.12	mg/kg
EPA 8080	Endosulfan I**	4,100	mg/kg
EPA 8080	Endosulfan II**	4,100	mg/kg
EPA 8080	Endosulfan Sulfate**	4,100	mg/kg
EPA 8080	Endrin	200	mg/kg
EPA 8080	Endrin Aldehyde	NA	mg/kg
EPA 8080	gamma-BHC (aka gamma-HCH)	1.5	mg/kg
EPA 8080	Heptachlor	0.42	mg/kg
EPA 8080	Heptachlor epoxide	0.21	mg/kg
EPA 8080	Methoxychlor	3,400	mg/kg
EPA 8080	PCB-1016	50	mg/kg
EPA 8080	PCB-1221	50	mg/kg
EPA 8080	PCB-1232	50	mg/kg
EPA 8080	PCB-1242	50	mg/kg
EPA 8080	PCB-1248	50	mg/kg
EPA 8080	PCB-1254	50	mg/kg
EPA 8080	PCB-1260	50	mg/kg
EPA 8080	Toxaphene	1.7	mg/kg

Table 3

Summary of Soil Screening Level Criteria
Highgrove Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
Volatile Organic Compounds			
EPA 8260A	1,1,1,2-Tetrachloroethane	5.4	mg/kg
EPA 8260A	1,1,1-Trichloroethane	3,000	mg/kg
EPA 8260A	1,1,2,2-Tetrachloroethane	1.1	mg/kg
EPA 8260A	1,1,2-Trichloroethane	1.5	mg/kg
EPA 8260A	1,1-Dichloroethane	1,700	mg/kg
EPA 8260A	1,1-Dichloroethene	0.08	mg/kg
EPA 8260A	1,1-Dichloropropene	NA	mg/kg
EPA 8260A	1,2,3-Trichlorobenzene	NA	mg/kg
EPA 8260A	1,2,3-Trichloropropane	0.0031	mg/kg
EPA 8260A	1,2,4-Trichlorobenzene	5,500	mg/kg
EPA 8260A	1,2,4-Trimethylbenzene	NA	mg/kg
EPA 8260A	1,2-Dibromo-3-chloropropane	1.4	mg/kg
EPA 8260A	1,2-Dibromoethane	0.02	mg/kg
EPA 8260A	1,2-Dichlorobenzene	700	mg/kg
EPA 8260A	1,2-Dichloroethane	0.55	mg/kg
EPA 8260A	1,2-Dichloropropane	0.68	mg/kg
EPA 8260A	1,3,5-Trimethylbenzene	NA	mg/kg
EPA 8260A	1,3-Dichlorobenzene	860	mg/kg
EPA 8260A	1,3-Dichloropropane	NA	mg/kg
EPA 8260A	1,4-Dichlorobenzene	8.4	mg/kg
EPA 8260A	2,2-Dichloropropane	NA	mg/kg
EPA 8260A	2-Chlorotoluene	NA	mg/kg
EPA 8260A	4-Chlorotoluene	NA	mg/kg
EPA 8260A	Benzene	0.011	mg/kg
EPA 8260A	Bromobenzene	NA	mg/kg
EPA 8260A	Bromochloromethane	NA	mg/kg
EPA 8260A	Bromodichloromethane	1.4	mg/kg
EPA 8260A	Bromoform	240	mg/kg
EPA 8260A	Bromomethane	23	mg/kg
EPA 8260A	Carbon Tetrachloride	0.5	mg/kg
EPA 8260A	Chlorobenzene	220	mg/kg
EPA 8260A	Chloroethane (aka Ethyl chloride)	1,600	mg/kg
EPA 8260A	Chloroform	0.53	mg/kg
EPA 8260A	Chloromethane	2.6	mg/kg
EPA 8260A	Dibromochloromethane	23	mg/kg
EPA 8260A	Dibromomethane (aka Methylene bromide)	6,800	mg/kg
EPA 8260A	Dichlorodifluoromethane	310	mg/kg
EPA 8260A	Ethyl Benzene	2	mg/kg
EPA 8260A	Hexachlorobutadiene	24	mg/kg
EPA 8260A	Isopropylbenzene (aka Cumene)	62	mg/kg
EPA 8260A	Methylene Chloride	18	mg/kg
EPA 8260A	Naphthalene	240	mg/kg

Table 3

Summary of Soil Screening Level Criteria
Highgrove Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
EPA 8260A	Styrene	680	mg/kg
EPA 8260A	Tetrachloroethene	17	mg/kg
EPA 8260A	Toluene	0.45	mg/kg
EPA 8260A	Total Xylenes	5.3	mg/kg
EPA 8260A	Trichloroethene	7	mg/kg
EPA 8260A	Trichlorofluoromethane	1,300	mg/kg
EPA 8260A	Vinyl Chloride	0.035	mg/kg
EPA 8260A	cis-1,2-Dichloroethene	100	mg/kg
EPA 8260A	cis-1,3-Dichloropropene	NA	mg/kg
EPA 8260A	n-Butylbenzene	NA	mg/kg
EPA 8260A	n-Propylbenzene	NA	mg/kg
EPA 8260A	o-Xylene	5.3	mg/kg
EPA 8260A	p-& m-Xylenes	5.3	mg/kg
EPA 8260A	p-Isopropyltoluene	NA	mg/kg
EPA 8260A	sec-Butylbenzene	NA	mg/kg
EPA 8260A	tert-Butylbenzene	NA	mg/kg
EPA 8260A	trans-1,2-Dichloroethene	270	mg/kg
EPA 8260A	trans-1,3-Dichloropropene	NA	mg/kg
Petroleum Hydrocarbons			
EPA 8015M	Light Naptha	500	mg/kg
EPA 8015M	Aviation Fuel	500	mg/kg
EPA 8015M	Stoddard/White Spirits	500	mg/kg
EPA 8015M	Heavy Naptha/Ligroin Petroleum Benzin	500	mg/kg
EPA 8015M	Gasoline	500	mg/kg
EPA 8015M	JP4	500	mg/kg
EPA 8015M	JP5	500	mg/kg
EPA 8015M	JP6	500	mg/kg
EPA 8015M	JP8	500	mg/kg
EPA 8015M	Kerosene/Jet Fuel	500	mg/kg
EPA 8015M	Diesel	1,000	mg/kg
EPA 8015M	Crude/Waste Oil	1,000	mg/kg
EPA 8015M	Hydraulic Oil	1,000	mg/kg
EPA 8015M	WD-40	1,000	mg/kg
EPA 8015M	Z-oil	1,000	mg/kg
Polynuclear Aromatic Hydrocarbons			
EPA 8270B	Acenaphthene	110	mg/kg
EPA 8270B	Anthracene	5.7	mg/kg
EPA 8270B	Benzo-a-anthracene	2.6	mg/kg
EPA 8270B	Benzo-a-pyrene	0.26	mg/kg
EPA 8270B	Benzo-b-fluoranthene	2.6	mg/kg
EPA 8270B	Benzo-k-fluoranthene	26	mg/kg
EPA 8270B	Chrysene	7.2	mg/kg
EPA 8270B	Dibenzo (a,h) anthracene	0.26	mg/kg

Table 3

Summary of Soil Screening Level Criteria
Highgrove Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
EPA 8270B	Fluoranthene	27,000	mg/kg
EPA 8270B	Fluorene	90	mg/kg
EPA 8270B	Indeno-1,2,3-cd-pyrene	2.6	mg/kg
EPA 8270B	Pyrene	100	mg/kg
Semivolatile Organic Compounds			
EPA 8270B	1,2,4-Trichlorobenzene	5,500	mg/kg
EPA 8270B	1,2-Dichlorobenzene	700	mg/kg
EPA 8270B	1,2-Diphenylhydrazine	2.4	mg/kg
EPA 8270B	1,3-Dichlorobenzene	860	mg/kg
EPA 8270B	1,4-Dichlorobenzene	8.4	mg/kg
EPA 8270B	2,4,5-Trichlorophenol	68,000	mg/kg
EPA 8270B	2,4,6-Trichlorophenol	170	mg/kg
EPA 8270B	2,4-Dichlorophenol	2000	mg/kg
EPA 8270B	2,4-Dimethylphenol	14,000	mg/kg
EPA 8270B	2,4-Dinitrophenol	1,400	mg/kg
EPA 8270B	2,4-Dinitrotoluene	1,400	mg/kg
EPA 8270B	2,6-Dinitrotoluene	680	mg/kg
EPA 8270B	2-Chloronaphthalene	NA	mg/kg
EPA 8270B	2-Chlorophenol	370	mg/kg
EPA 8270B	2-Methyl-4,6-dinitrophenol	NA	mg/kg
EPA 8270B	2-Methylnaphthalene	NA	mg/kg
EPA 8270B	2-Methylphenol	34,000	mg/kg
EPA 8270B	2-Naphthylamine	NA	mg/kg
EPA 8270B	2-Nitroaniline	41	mg/kg
EPA 8270B	2-Nitrophenol	NA	mg/kg
EPA 8270B	3,3-Dichlorobenzidine	4.2	mg/kg
EPA 8270B	3-Nitroaniline	NA	mg/kg
EPA 8270B	4,4-DDD	7.9	mg/kg
EPA 8270B	4,4-DDE	5.6	mg/kg
EPA 8270B	4,4-DDT	5.6	mg/kg
EPA 8270B	4-Bromophenyl-phenyl-ether	NA	mg/kg
EPA 8270B	4-Chloro-3-methylphenol	NA	mg/kg
EPA 8270B	4-Chloroaniline	2,700	mg/kg
EPA 8270B	4-Chlorophenylphenyl-ether	NA	mg/kg
EPA 8270B	4-Methylphenol	3,400	mg/kg
EPA 8270B	4-Nitroaniline	NA	mg/kg
EPA 8270B	4-Nitrophenol	NA	mg/kg
EPA 8270B	Acenaphthylene	NA	mg/kg
EPA 8270B	Aldrin	0.11	mg/kg
EPA 8270B	Aniline	200	mg/kg
EPA 8270B	Benzidine	0.0083	mg/kg
EPA 8270B	Benzo-ghi-perylene	NA	mg/kg
EPA 8270B	Benzoic-acid	100,000	mg/kg

Table 3

Summary of Soil Screening Level Criteria
Highgrove Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
EPA 8270B	Benzyl-butyl-phthalate	930	mg/kg
EPA 8270B	Benzylalcohol	100,000	mg/kg
EPA 8270B	Di-n-butyl-phthalate	NA	mg/kg
EPA 8270B	Di-n-octylphthalate	10,000	mg/kg
EPA 8270B	Dibenzofuran	140	mg/kg
EPA 8270B	Dieldrin	0.12	mg/kg
EPA 8270B	Diethyl-phthalate	100,000	mg/kg
EPA 8270B	Dimethyl-phthalate	100,000	mg/kg
EPA 8270B	Endosulfan I	4,100	mg/kg
EPA 8270B	Endosulfan II	4,100	mg/kg
EPA 8270B	Endosulfan Sulfate	4,100	mg/kg
EPA 8270B	Endrin	200	mg/kg
EPA 8270B	Endrin Aldehyde	NA	mg/kg
EPA 8270B	Heptachlor	0.42	mg/kg
EPA 8270B	Heptachlor epoxide	0.21	mg/kg
EPA 8270B	Hexachlorobenzene	1.2	mg/kg
EPA 8270B	Hexachlorobutadiene	24	mg/kg
EPA 8270B	Hexachlorocyclopentadiene	4,600	mg/kg
EPA 8270B	Hexachloroethane	140	mg/kg
EPA 8270B	Isophorone	2,000	mg/kg
EPA 8270B	N-Nitrosodimethylamine	0.037	mg/kg
EPA 8270B	N-Nitrosodiphenylamine	390	mg/kg
EPA 8270B	N-nitrosodi-n-propylamine	0.27	mg/kg
EPA 8270B	Naphthalene	240	mg/kg
EPA 8270B	Nitrobenzene	94	mg/kg
EPA 8270B	Pentachlorophenol	7.9	mg/kg
EPA 8270B	Phenanthrene	NA	mg/kg
EPA 8270B	Phenol	100,000	mg/kg
EPA 8270B	alpha-BHC	0.3	mg/kg
EPA 8270B	beta-BHC	1.1	mg/kg
EPA 8270B	bis(2-chloro-1-methylethyl) ether	27	mg/kg
EPA 8270B	bis-2-chloroethoxy-methane	NA	mg/kg
EPA 8270B	bis-2-chloroethyl-ether	0.097	mg/kg
EPA 8270B	bis-2-ethylhexyl-phthalate	140	mg/kg
EPA 8270B	delta-BHC	NA	mg/kg
EPA 8270B	gamma-BHC	1.5	mg/kg
Organophosporus Pesticides			
EPA 8140	Azinphos methyl	NA	mg/kg
EPA 8140	Bolstar	NA	mg/kg
EPA 8140	Chlorpyrifos	2,000	mg/kg
EPA 8140	Coumaphos	NA	mg/kg
EPA 8140	Demeton	27	mg/kg
EPA 8140	Diazinon	610	mg/kg

Table 3

Summary of Soil Screening Level Criteria
Highgrove Generating Station

Analytical Method	Analyte	Soil Screening Criteria	Units
EPA 8140	Dichlorvos	6.6	mg/kg
EPA 8140	Disulfoton	27	mg/kg
EPA 8140	Ethoprop	NA	mg/kg
EPA 8140	Fensulfothion	NA	mg/kg
EPA 8140	Fenthion	NA	mg/kg
EPA 8140	Malathion	14,000	mg/kg
EPA 8140	Merphos	20	mg/kg
EPA 8140	Mevinphos	NA	mg/kg
EPA 8140	Naled Dibrom***	1,400	mg/kg
EPA 8140	Parathion methyl	NA	mg/kg
EPA 8140	Phorate	140	mg/kg
EPA 8140	Ronnel Fenchlorphos***	34,000	mg/kg
EPA 8140	Stirophos Tetrachlorivinphos	NA	mg/kg
EPA 8140	Thionazin	NA	mg/kg
EPA 8140	Tokuthion Prothiofos	NA	mg/kg
EPA 8140	Trichloronate	NA	mg/kg

mg/kg = milligrams per kilogram
* Used the PRG for Thallic oxide
** Used the PRG for Endosulfan
*** As advised by BC Laboratories, Inc., Naled Dibrom is synonymous with Naled and Ronnel Fenchlorphos is snonymous with Ronnel, to correlate analytes with the contaminants on the EPA Region IX Preliminary Remediation Goals (PRG), August 1996 list.
Synonyms for analytes taken from the EPA's Common Synonyms for Chemicals Listed Under Section 313 of the Emergency Planning and Community Right-to-Know Act

Table 4A

Analytical Results Exceeding Screening Criteria
Highgrove Generating Station

Sample ID	Sample Depth (Feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
COOLING TOWERS								
CT1-1.0	1	10/23/96	Arsenic	2.4	2.9		1.00	mg/kg
CT1-7.0	7	10/23/96	Arsenic	2.4	3.6		1.00	mg/kg
CT2-1.0	1	10/23/96	Arsenic	2.4	3.2		1.00	mg/kg
CT2-3.0	3	10/23/96	Arsenic	2.4	3.1		1.00	mg/kg
CT3-1.0	1	10/23/96	Arsenic	2.4	3.5		1.00	mg/kg
CT3-7.5	8	10/23/96	Arsenic	2.4	3.0		1.00	mg/kg
CT4-1.0	1	10/23/96	Arsenic	2.4	3.0		1.00	mg/kg
CT5-0.85	1	10/23/96	Arsenic	2.4	3.0		1.00	mg/kg
PIPELINES								
OM1-9	9	10/24/96	Arsenic	2.4	7.6		1.00	mg/kg
SEPTIC TANK AND SEEPAGE PITS								mg/kg
SP-1-60	60	2/3/97	Arsenic	2.4	2.9		1.0	mg/kg
HARDINGE FILTER WATER PROCESSOR AREA								
CT/WS-1-0.5	0.5	10/24/96	Arsenic	2.4	2.5		1.00	mg/kg

ID Identification
PQL Practical Quantitation Limit
mg/kg Milligrams per kilogram

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
UNDERGROUND STORAGE TANKS								
FD1-4.5	4.5	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
FD1-4.5	4.5	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
ABOVEGROUND STORAGE TANKS								
FOT-1-5	5	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
FOT-1-5	5	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
FOT-1-5	5	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
FOT-1-5	5	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
FOT-1-5	5	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
FOT-1-5	5	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
FOT-1-5	5	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
FOT-1-5	5	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
FOT-1-5	5	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
FOT-1-5	5	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
FOT-1-5	5	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
FOT-1-5	5	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
FOT-1-5	5	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
FOT-2C-5	5	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
FOT-2C-5	5	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
FFO-1-0.5	0.5	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
FFO-1-5	5	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
FFO-1-5	5	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
FFO-1-5	5	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
FFO-1-5	5	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
FFO-1-5	5	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
FFO-1-5	5	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
FFO-1-5	5	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
FFO-1-5	5	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
FFO-1-5	5	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
FFO-1-5	5	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
FFO-1-5	5	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
FFO-1-5	5	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
FFO-1-5	5	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
FO1-1.0	1	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
FO1-1.0	1	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
FO1-1.0	1	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
FO1-1.0	1	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
FO1-1.0	1	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
FO1-1.0	1	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
FO1-1.0	1	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
FO1-1.0	1	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
FO1-1.0	1	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
FO1-1.0	1	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
FO1-1.0	1	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
FO1-1.0	1	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
FO1-1.0	1	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
FO1-5.0	5	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
FO1-5.0	5	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
FO1-5.0	5	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
FO1-5.0	5	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
FO1-5.0	5	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
FO1-5.0	5	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
FO1-5.0	5	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
FO1-5.0	5	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
FO1-5.0	5	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
FO1-5.0	5	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
FO1-5.0	5	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
FO1-5.0	5	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
FO1-5.0	5	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
FO2-0.5	0.5	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
LOS1-1.0	1	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
LOS1-1.0	1	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
LOS1-1.0	1	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
LOS1-1.0	1	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
LOS1-1.0	1	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
LOS1-1.0	1	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
LOS1-1.0	1	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
LOS1-1.0	1	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
LOS1-1.0	1	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
LOS1-1.0	1	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
LOS1-1.0	1	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
LOS1-1.0	1	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
LOS1-1.0	1	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Diesel-FFP)	1000	5.1		5.0	mg/kg
LOS1-5.0	5	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
LOS1-5.0	5	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
LOS1-5.0	5	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
A/C-1-6	6	10/23/96	pH	NA	8.73		-	pH Units
SA-1-0.5	0.5	10/24/96	pH	NA	7.21		-	pH Units
SA-1-5	5	10/24/96	pH	NA	8.13		-	pH Units

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
COOLING TOWERS								
CT1-1.0	1	10/23/96	Antimony	680	ND		5.0	mg/kg
CT1-1.0	1	10/23/96	Arsenic	2.4	2.9		1.0	mg/kg
CT1-1.0	1	10/23/96	Barium	100000	135.		.5	mg/kg
CT1-1.0	1	10/23/96	Beryllium	1.1	0.63		.13	mg/kg
CT1-1.0	1	10/23/96	Cadmium	850	0.60		.12	mg/kg
CT1-1.0	1	10/23/96	Chromium	450	20.		.5	mg/kg
CT1-1.0	1	10/23/96	Cobalt	97000	7.9		.5	mg/kg
CT1-1.0	1	10/23/96	Copper	63000	16.		.5	mg/kg
CT1-1.0	1	10/23/96	Lead	1000	6.0		1.0	mg/kg
CT1-1.0	1	10/23/96	Molybdenum	8500	ND		.5	mg/kg
CT1-1.0	1	10/23/96	Nickel	11000	15.		.5	mg/kg
CT1-1.0	1	10/23/96	Selenium	8500	ND		1.0	mg/kg
CT1-1.0	1	10/23/96	Silver	8500	ND		.5	mg/kg
CT1-1.0	1	10/23/96	Thallium	120	ND		5.0	mg/kg
CT1-1.0	1	10/23/96	Vanadium	12000	40.		.5	mg/kg
CT1-1.0	1	10/23/96	Zinc	100000	55.		.5	mg/kg
CT1-1.0	1	10/23/96	Mercury	68	.021		.02	mg/kg
CT1-1.0	1	10/23/96	PCB-1016	50	ND		0.050	mg/kg
CT1-1.0	1	10/23/96	PCB-1221	50	ND		0.050	mg/kg
CT1-1.0	1	10/23/96	PCB-1232	50	ND		0.050	mg/kg
CT1-1.0	1	10/23/96	PCB-1242	50	ND		0.050	mg/kg
CT1-1.0	1	10/23/96	PCB-1248	50	ND		0.050	mg/kg
CT1-1.0	1	10/23/96	PCB-1254	50	ND		0.050	mg/kg
CT1-1.0	1	10/23/96	PCB-1260	50	ND		0.050	mg/kg
CT1-1.0	1	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
CT1-1.0	1	10/23/96	pH	NA	7.91		-	pH Units

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CT1-7.0	7	10/23/96	Antimony	680	ND		5.0	mg/kg
CT1-7.0	7	10/23/96	Arsenic	2.4	3.6		1.0	mg/kg
CT1-7.0	7	10/23/96	Barium	100000	125.		.5	mg/kg
CT1-7.0	7	10/23/96	Beryllium	1.1	0.63		.13	mg/kg
CT1-7.0	7	10/23/96	Cadmium	850	0.53		.12	mg/kg
CT1-7.0	7	10/23/96	Chromium	450	24.		.5	mg/kg
CT1-7.0	7	10/23/96	Cobalt	97000	9.1		.5	mg/kg
CT1-7.0	7	10/23/96	Copper	63000	18.		.5	mg/kg
CT1-7.0	7	10/23/96	Lead	1000	8.2		1.0	mg/kg
CT1-7.0	7	10/23/96	Molybdenum	8500	ND		.5	mg/kg
CT1-7.0	7	10/23/96	Nickel	11000	17.		.5	mg/kg
CT1-7.0	7	10/23/96	Selenium	8500	ND		1.0	mg/kg
CT1-7.0	7	10/23/96	Silver	8500	ND		.5	mg/kg
CT1-7.0	7	10/23/96	Thallium	120	ND		5.0	mg/kg
CT1-7.0	7	10/23/96	Vanadium	12000	47.		.5	mg/kg
CT1-7.0	7	10/23/96	Zinc	100000	50.		.5	mg/kg
CT1-7.0	7	10/23/96	Mercury	68	ND		.02	mg/kg
CT1-7.0	7	10/23/96	PCB-1016	50	ND		0.050	mg/kg
CT1-7.0	7	10/23/96	PCB-1221	50	ND		0.050	mg/kg
CT1-7.0	7	10/23/96	PCB-1232	50	ND		0.050	mg/kg
CT1-7.0	7	10/23/96	PCB-1242	50	ND		0.050	mg/kg
CT1-7.0	7	10/23/96	PCB-1248	50	ND		0.050	mg/kg
CT1-7.0	7	10/23/96	PCB-1254	50	ND		0.050	mg/kg
CT1-7.0	7	10/23/96	PCB-1260	50	ND		0.050	mg/kg
CT1-7.0	7	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
CT1-7.0	7	10/23/96	pH	NA	8.10		-	pH Units
CT2-1.0	1	10/23/96	Antimony	680	ND		5.0	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CT2-1.0	1	10/23/96	Arsenic	2.4	3.2		1.0	mg/kg
CT2-1.0	1	10/23/96	Barium	100000	140.		.5	mg/kg
CT2-1.0	1	10/23/96	Beryllium	1.1	0.75		.13	mg/kg
CT2-1.0	1	10/23/96	Cadmium	850	0.73		.12	mg/kg
CT2-1.0	1	10/23/96	Chromium	450	23.		.5	mg/kg
CT2-1.0	1	10/23/96	Cobalt	97000	8.6		.5	mg/kg
CT2-1.0	1	10/23/96	Copper	63000	15.		.5	mg/kg
CT2-1.0	1	10/23/96	Lead	1000	7.1		1.0	mg/kg
CT2-1.0	1	10/23/96	Molybdenum	8500	ND		.5	mg/kg
CT2-1.0	1	10/23/96	Nickel	11000	15.		.5	mg/kg
CT2-1.0	1	10/23/96	Selenium	8500	ND		1.0	mg/kg
CT2-1.0	1	10/23/96	Silver	8500	ND		.5	mg/kg
CT2-1.0	1	10/23/96	Thallium	120	ND		5.0	mg/kg
CT2-1.0	1	10/23/96	Vanadium	12000	46.		.5	mg/kg
CT2-1.0	1	10/23/96	Zinc	100000	60.		.5	mg/kg
CT2-1.0	1	10/23/96	Mercury	68	.049		.02	mg/kg
CT2-3.0	3	10/23/96	pH	NA	7.73		-	pH Units
CT2-3.0	3	10/23/96	Antimony	680	ND		5.0	mg/kg
CT2-3.0	3	10/23/96	Arsenic	2.4	3.1		1.0	mg/kg
CT2-3.0	3	10/23/96	Barium	100000	118.		.5	mg/kg
CT2-3.0	3	10/23/96	Beryllium	1.1	0.66		.13	mg/kg
CT2-3.0	3	10/23/96	Cadmium	850	0.60		.12	mg/kg
CT2-3.0	3	10/23/96	Chromium	450	20.		.5	mg/kg
CT2-3.0	3	10/23/96	Cobalt	97000	7.2		.5	mg/kg
CT2-3.0	3	10/23/96	Copper	63000	19.		.5	mg/kg
CT2-3.0	3	10/23/96	Lead	1000	5.9		1.0	mg/kg
CT2-3.0	3	10/23/96	Molybdenum	8500	ND		.5	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CT2-3.0	3	10/23/96	Nickel	11000	13.		.5	mg/kg
CT2-3.0	3	10/23/96	Selenium	8500	ND		1.0	mg/kg
CT2-3.0	3	10/23/96	Silver	8500	ND		.5	mg/kg
CT2-3.0	3	10/23/96	Thallium	120	ND		5.0	mg/kg
CT2-3.0	3	10/23/96	Vanadium	12000	42.		.5	mg/kg
CT2-3.0	3	10/23/96	Zinc	100000	57.		.5	mg/kg
CT2-3.0	3	10/23/96	Mercury	68	.11		.02	mg/kg
CT2-3.0	3	10/23/96	pH	NA	7.49		-	pH Units
CT2-6	6	10/24/96	Antimony	680	ND		5.0	mg/kg
CT2-6	6	10/24/96	Arsenic	2.4	1.3		1.0	mg/kg
CT2-6	6	10/24/96	Barium	100000	48.		.5	mg/kg
CT2-6	6	10/24/96	Beryllium	1.1	0.17		.13	mg/kg
CT2-6	6	10/24/96	Cadmium	850	0.43		.12	mg/kg
CT2-6	6	10/24/96	Chromium	450	8.9		.5	mg/kg
CT2-6	6	10/24/96	Cobalt	97000	3.5		.5	mg/kg
CT2-6	6	10/24/96	Copper	63000	9.8		.5	mg/kg
CT2-6	6	10/24/96	Lead	1000	1.7		1.0	mg/kg
CT2-6	6	10/24/96	Molybdenum	8500	ND		.5	mg/kg
CT2-6	6	10/24/96	Nickel	11000	6.1		.5	mg/kg
CT2-6	6	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
CT2-6	6	10/24/96	Silver	8500	ND		.5	mg/kg
CT2-6	6	10/24/96	Thallium	120	ND		5.0	mg/kg
CT2-6	6	10/24/96	Vanadium	12000	21.		.5	mg/kg
CT2-6	6	10/24/96	Zinc	100000	18.		.5	mg/kg
CT2-6	6	10/24/96	Mercury	68	ND		.02	mg/kg
CT2-6	6	10/24/96	pH	NA	8.70	J	-	pH Units
CT3-1.0	1	10/23/96	Antimony	680	ND		5.0	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CT3-1.0	1	10/23/96	Arsenic	2.4	3.5		1.0	mg/kg
CT3-1.0	1	10/23/96	Barium	100000	151.		.5	mg/kg
CT3-1.0	1	10/23/96	Beryllium	1.1	0.57		.13	mg/kg
CT3-1.0	1	10/23/96	Cadmium	850	0.77		.12	mg/kg
CT3-1.0	1	10/23/96	Chromium	450	24.		.5	mg/kg
CT3-1.0	1	10/23/96	Cobalt	97000	9.8		.5	mg/kg
CT3-1.0	1	10/23/96	Copper	63000	18.		.5	mg/kg
CT3-1.0	1	10/23/96	Lead	1000	7.5		1.0	mg/kg
CT3-1.0	1	10/23/96	Molybdenum	8500	ND		.5	mg/kg
CT3-1.0	1	10/23/96	Nickel	11000	17.		.5	mg/kg
CT3-1.0	1	10/23/96	Selenium	8500	ND		1.0	mg/kg
CT3-1.0	1	10/23/96	Silver	8500	ND		.5	mg/kg
CT3-1.0	1	10/23/96	Thallium	120	ND		5.0	mg/kg
CT3-1.0	1	10/23/96	Vanadium	12000	47.		.5	mg/kg
CT3-1.0	1	10/23/96	Zinc	100000	55.		.5	mg/kg
CT3-1.0	1	10/23/96	Mercury	68	ND		.02	mg/kg
CT3-7.5	7.5	10/23/96	pH	NA	7.72		-	pH Units
CT3-7.5	7.5	10/23/96	Antimony	680	ND		5.0	mg/kg
CT3-7.5	7.5	10/23/96	Arsenic	2.4	3.0		1.0	mg/kg
CT3-7.5	7.5	10/23/96	Barium	100000	59.		.5	mg/kg
CT3-7.5	7.5	10/23/96	Beryllium	1.1	0.53		.13	mg/kg
CT3-7.5	7.5	10/23/96	Cadmium	850	0.40		.12	mg/kg
CT3-7.5	7.5	10/23/96	Chromium	450	18.		.5	mg/kg
CT3-7.5	7.5	10/23/96	Cobalt	97000	5.6		.5	mg/kg
CT3-7.5	7.5	10/23/96	Copper	63000	14.		.5	mg/kg
CT3-7.5	7.5	10/23/96	Lead	1000	4.2		1.0	mg/kg
CT3-7.5	7.5	10/23/96	Molybdenum	8500	ND		.5	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CT3-7.5	7.5	10/23/96	Nickel	11000	9.6		.5	mg/kg
CT3-7.5	7.5	10/23/96	Selenium	8500	ND		1.0	mg/kg
CT3-7.5	7.5	10/23/96	Silver	8500	ND		.5	mg/kg
CT3-7.5	7.5	10/23/96	Thallium	120	ND		5.0	mg/kg
CT3-7.5	7.5	10/23/96	Vanadium	12000	39.		.5	mg/kg
CT3-7.5	7.5	10/23/96	Zinc	100000	30.		.5	mg/kg
CT3-7.5	7.5	10/23/96	Mercury	68	ND		.02	mg/kg
CT3-7.5	7.5	10/23/96	pH	NA	7.99		-	pH Units
CT4-1.0	1	10/23/96	Antimony	680	ND		5.0	mg/kg
CT4-1.0	1	10/23/96	Arsenic	2.4	3.0		1.0	mg/kg
CT4-1.0	1	10/23/96	Barium	100000	283		.5	mg/kg
CT4-1.0	1	10/23/96	Beryllium	1.1	.56		.13	mg/kg
CT4-1.0	1	10/23/96	Cadmium	850	.56		.12	mg/kg
CT4-1.0	1	10/23/96	Chromium	450	19		.5	mg/kg
CT4-1.0	1	10/23/96	Cobalt	97000	10		.5	mg/kg
CT4-1.0	1	10/23/96	Copper	63000	16		.5	mg/kg
CT4-1.0	1	10/23/96	Lead	1000	6.0		1.0	mg/kg
CT4-1.0	1	10/23/96	Molybdenum	8500	ND		.5	mg/kg
CT4-1.0	1	10/23/96	Nickel	11000	13		.5	mg/kg
CT4-1.0	1	10/23/96	Selenium	8500	ND		1.0	mg/kg
CT4-1.0	1	10/23/96	Silver	8500	ND		.5	mg/kg
CT4-1.0	1	10/23/96	Thallium	120	ND		5.0	mg/kg
CT4-1.0	1	10/23/96	Vanadium	12000	42		.5	mg/kg
CT4-1.0	1	10/23/96	Zinc	100000	59		.5	mg/kg
CT4-1.0	1	10/23/96	Mercury	68	.020		.02	mg/kg
CT4-1.0	1	10/23/96	pH	NA	3.94		-	pH Units
CT4-7.5	7.5	10/23/96	Antimony	680	ND		5.0	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CT4-7.5	7.5	10/23/96	Arsenic	2.4	1.9		1.0	mg/kg
CT4-7.5	7.5	10/23/96	Barium	100000	76.		.5	mg/kg
CT4-7.5	7.5	10/23/96	Beryllium	1.1	0.37		.13	mg/kg
CT4-7.5	7.5	10/23/96	Cadmium	850	0.33		.12	mg/kg
CT4-7.5	7.5	10/23/96	Chromium	450	11.		.5	mg/kg
CT4-7.5	7.5	10/23/96	Cobalt	97000	6.6		.5	mg/kg
CT4-7.5	7.5	10/23/96	Copper	63000	12.		.5	mg/kg
CT4-7.5	7.5	10/23/96	Lead	1000	4.5		1.0	mg/kg
CT4-7.5	7.5	10/23/96	Molybdenum	8500	ND		.5	mg/kg
CT4-7.5	7.5	10/23/96	Nickel	11000	7.2		.5	mg/kg
CT4-7.5	7.5	10/23/96	Selenium	8500	ND		1.0	mg/kg
CT4-7.5	7.5	10/23/96	Silver	8500	ND		.5	mg/kg
CT4-7.5	7.5	10/23/96	Thallium	120	ND		5.0	mg/kg
CT4-7.5	7.5	10/23/96	Vanadium	12000	26.		.5	mg/kg
CT4-7.5	7.5	10/23/96	Zinc	100000	44.		.5	mg/kg
CT4-7.5	7.5	10/23/96	Mercury	68	ND		.02	mg/kg
CT5-0.85	0.85	10/23/96	pH	NA	3.92		-	pH Units
CT5-0.85	0.85	10/23/96	Antimony	680	ND		5.0	mg/kg
CT5-0.85	0.85	10/23/96	Arsenic	2.4	3.0		1.0	mg/kg
CT5-0.85	0.85	10/23/96	Barium	100000	183.		.5	mg/kg
CT5-0.85	0.85	10/23/96	Beryllium	1.1	0.60		.13	mg/kg
CT5-0.85	0.85	10/23/96	Cadmium	850	.80		.12	mg/kg
CT5-0.85	0.85	10/23/96	Chromium	450	22.		.5	mg/kg
CT5-0.85	0.85	10/23/96	Cobalt	97000	9.6		.5	mg/kg
CT5-0.85	0.85	10/23/96	Copper	63000	18.		.5	mg/kg
CT5-0.85	0.85	10/23/96	Lead	1000	6.4		1.0	mg/kg
CT5-0.85	0.85	10/23/96	Molybdenum	8500	ND		.5	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CT5-0.85	0.85	10/23/96	Nickel	11000	15.		.5	mg/kg
CT5-0.85	0.85	10/23/96	Selenium	8500	ND		1.0	mg/kg
CT5-0.85	0.85	10/23/96	Silver	8500	ND		.5	mg/kg
CT5-0.85	0.85	10/23/96	Thallium	120	ND		5.0	mg/kg
CT5-0.85	0.85	10/23/96	Vanadium	12000	47.		.5	mg/kg
CT5-0.85	0.85	10/23/96	Zinc	100000	66.		.5	mg/kg
CT5-0.85	0.85	10/23/96	Mercury	68	.029		.02	mg/kg
CT5-0.85	0.85	10/23/96	pH	NA	7.99		-	pH Units
CT5-6	6	10/24/96	Antimony	680	ND		5.0	mg/kg
CT5-6	6	10/24/96	Arsenic	2.4	1.1		1.0	mg/kg
CT5-6	6	10/24/96	Barium	100000	117.		.5	mg/kg
CT5-6	6	10/24/96	Beryllium	1.1	0.22		.13	mg/kg
CT5-6	6	10/24/96	Cadmium	850	0.60		.12	mg/kg
CT5-6	6	10/24/96	Chromium	450	7.4		.5	mg/kg
CT5-6	6	10/24/96	Cobalt	97000	4.3		.5	mg/kg
CT5-6	6	10/24/96	Copper	63000	8.0		.5	mg/kg
CT5-6	6	10/24/96	Lead	1000	2.3		1.0	mg/kg
CT5-6	6	10/24/96	Molybdenum	8500	ND		.5	mg/kg
CT5-6	6	10/24/96	Nickel	11000	4.5		.5	mg/kg
CT5-6	6	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
CT5-6	6	10/24/96	Silver	8500	ND		.5	mg/kg
CT5-6	6	10/24/96	Thallium	120	ND		5.0	mg/kg
CT5-6	6	10/24/96	Vanadium	12000	22.		.5	mg/kg
CT5-6	6	10/24/96	Zinc	100000	43.		.5	mg/kg
CT5-6	6	10/24/96	Mercury	68	ND		.02	mg/kg
CT5-6	6	10/24/96	pH	NA	8.42	J	-	pH Units

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
PLANT WASTEWATER DISCHARGE/SURFACE WATER DISCHARGE								
CTDP1-0.5	0.5	10/24/96	Antimony	680	ND		5.0	mg/kg
CTDP1-0.5	0.5	10/24/96	Arsenic	2.4	2.2		1.0	mg/kg
CTDP1-0.5	0.5	10/24/96	Barium	100000	162.		.5	mg/kg
CTDP1-0.5	0.5	10/24/96	Beryllium	1.1	0.36		.13	mg/kg
CTDP1-0.5	0.5	10/24/96	Cadmium	850	1.1		.12	mg/kg
CTDP1-0.5	0.5	10/24/96	Chromium	450	18.		.5	mg/kg
CTDP1-0.5	0.5	10/24/96	Cobalt	97000	7.1		.5	mg/kg
CTDP1-0.5	0.5	10/24/96	Copper	63000	23.		.5	mg/kg
CTDP1-0.5	0.5	10/24/96	Lead	1000	10.		1.0	mg/kg
CTDP1-0.5	0.5	10/24/96	Molybdenum	8500	ND		.5	mg/kg
CTDP1-0.5	0.5	10/24/96	Nickel	11000	12.		.5	mg/kg
CTDP1-0.5	0.5	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
CTDP1-0.5	0.5	10/24/96	Silver	8500	ND		.5	mg/kg
CTDP1-0.5	0.5	10/24/96	Thallium	120	ND		5.0	mg/kg
CTDP1-0.5	0.5	10/24/96	Vanadium	12000	38.		.5	mg/kg
CTDP1-0.5	0.5	10/24/96	Zinc	100000	86.		.5	mg/kg
CTDP1-0.5	0.5	10/24/96	Mercury	68	.050		.02	mg/kg
CTDP1-5	5	10/24/96	pH	NA	7.53	J	-	pH Units
CTDP1-5	5	10/24/96	Antimony	680	ND		5.0	mg/kg
CTDP1-5	5	10/24/96	Arsenic	2.4	2.3		1.0	mg/kg
CTDP1-5	5	10/24/96	Barium	100000	193.		.5	mg/kg
CTDP1-5	5	10/24/96	Beryllium	1.1	0.26		.13	mg/kg
CTDP1-5	5	10/24/96	Cadmium	850	1.1		.12	mg/kg
CTDP1-5	5	10/24/96	Chromium	450	15.		.5	mg/kg
CTDP1-5	5	10/24/96	Cobalt	97000	6.7		.5	mg/kg
CTDP1-5	5	10/24/96	Copper	63000	25.		.5	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CTDP1-5	5	10/24/96	Lead	1000	12.		1.0	mg/kg
CTDP1-5	5	10/24/96	Molybdenum	8500	ND		.5	mg/kg
CTDP1-5	5	10/24/96	Nickel	11000	9.8		.5	mg/kg
CTDP1-5	5	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
CTDP1-5	5	10/24/96	Silver	8500	ND		.5	mg/kg
CTDP1-5	5	10/24/96	Thallium	120	ND		5.0	mg/kg
CTDP1-5	5	10/24/96	Vanadium	12000	37.		.5	mg/kg
CTDP1-5	5	10/24/96	Zinc	100000	92.		.5	mg/kg
CTDP1-5	5	10/24/96	Mercury	68	.067		.02	mg/kg
CTDP1-5	5	10/24/96	pH	NA	7.35	J	-	pH Units
CTDP2-0.5	0.5	10/24/96	Antimony	680	ND		5.0	mg/kg
CTDP2-0.5	0.5	10/24/96	Arsenic	2.4	2.0		1.0	mg/kg
CTDP2-0.5	0.5	10/24/96	Barium	100000	145.		.5	mg/kg
CTDP2-0.5	0.5	10/24/96	Beryllium	1.1	0.47		.13	mg/kg
CTDP2-0.5	0.5	10/24/96	Cadmium	850	1.1		.12	mg/kg
CTDP2-0.5	0.5	10/24/96	Chromium	450	19.		.5	mg/kg
CTDP2-0.5	0.5	10/24/96	Cobalt	97000	7.7		.5	mg/kg
CTDP2-0.5	0.5	10/24/96	Copper	63000	50.		.5	mg/kg
CTDP2-0.5	0.5	10/24/96	Lead	1000	9.0		1.0	mg/kg
CTDP2-0.5	0.5	10/24/96	Molybdenum	8500	ND		.5	mg/kg
CTDP2-0.5	0.5	10/24/96	Nickel	11000	14.		.5	mg/kg
CTDP2-0.5	0.5	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
CTDP2-0.5	0.5	10/24/96	Silver	8500	ND		.5	mg/kg
CTDP2-0.5	0.5	10/24/96	Thallium	120	ND		5.0	mg/kg
CTDP2-0.5	0.5	10/24/96	Vanadium	12000	41.		.5	mg/kg
CTDP2-0.5	0.5	10/24/96	Zinc	100000	80.		.5	mg/kg
CTDP2-0.5	0.5	10/24/96	Mercury	68	.021		.02	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CTDP2-0.5	0.5	10/24/96	pH	NA	7.88	J	-	pH Units
CTDP2-5	5	10/24/96	Antimony	680	ND		5.0	mg/kg
CTDP2-5	5	10/24/96	Arsenic	2.4	2.0		1.0	mg/kg
CTDP2-5	5	10/24/96	Barium	100000	128.		.5	mg/kg
CTDP2-5	5	10/24/96	Beryllium	1.1	0.37		.13	mg/kg
CTDP2-5	5	10/24/96	Cadmium	850	0.85		.12	mg/kg
CTDP2-5	5	10/24/96	Chromium	450	14.		.5	mg/kg
CTDP2-5	5	10/24/96	Cobalt	97000	5.6		.5	mg/kg
CTDP2-5	5	10/24/96	Copper	63000	13.		.5	mg/kg
CTDP2-5	5	10/24/96	Lead	1000	3.9		1.0	mg/kg
CTDP2-5	5	10/24/96	Molybdenum	8500	ND		.5	mg/kg
CTDP2-5	5	10/24/96	Nickel	11000	8.9		.5	mg/kg
CTDP2-5	5	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
CTDP2-5	5	10/24/96	Silver	8500	ND		.5	mg/kg
CTDP2-5	5	10/24/96	Thallium	120	ND		5.0	mg/kg
CTDP2-5	5	10/24/96	Vanadium	12000	32.		.5	mg/kg
CTDP2-5	5	10/24/96	Zinc	100000	50.		.5	mg/kg
CTDP2-5	5	10/24/96	Mercury	68	ND		.02	mg/kg
CTDP3-3	3	10/24/96	pH	NA	8.24	J	-	pH Units
CTDP3-3	3	10/24/96	Antimony	680	ND		5.0	mg/kg
CTDP3-3	3	10/24/96	Arsenic	2.4	ND		1.0	mg/kg
CTDP3-3	3	10/24/96	Barium	100000	28.		.5	mg/kg
CTDP3-3	3	10/24/96	Beryllium	1.1	ND		.13	mg/kg
CTDP3-3	3	10/24/96	Cadmium	850	0.23		.12	mg/kg
CTDP3-3	3	10/24/96	Chromium	450	4.6		.5	mg/kg
CTDP3-3	3	10/24/96	Cobalt	97000	1.4		.5	mg/kg
CTDP3-3	3	10/24/96	Copper	63000	6.3		.5	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CTDP3-3	3	10/24/96	Lead	1000	4.9		1.0	mg/kg
CTDP3-3	3	10/24/96	Molybdenum	8500	ND		.5	mg/kg
CTDP3-3	3	10/24/96	Nickel	11000	3.8		.5	mg/kg
CTDP3-3	3	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
CTDP3-3	3	10/24/96	Silver	8500	ND		.5	mg/kg
CTDP3-3	3	10/24/96	Thallium	120	ND		5.0	mg/kg
CTDP3-3	3	10/24/96	Vanadium	12000	6.3		.5	mg/kg
CTDP3-3	3	10/24/96	Zinc	100000	24.		.5	mg/kg
CTDP3-3	3	10/24/96	Mercury	68	ND		.02	mg/kg
CTDP3-3	3	10/24/96	pH	NA	7.95	J	-	pH Units
CTDP-4-0.5	0.5	2/3/97	Antimony	680	ND		5.0	mg/kg
CTDP-4-0.5	0.5	2/3/97	Arsenic	2.4	ND		1.0	mg/kg
CTDP-4-0.5	0.5	2/3/97	Barium	100000	27		0.5	mg/kg
CTDP-4-0.5	0.5	2/3/97	Beryllium	1.1	ND		0.1	mg/kg
CTDP-4-0.5	0.5	2/3/97	Cadmium	850	ND		0.1	mg/kg
CTDP-4-0.5	0.5	2/3/97	Chromium	450	2.6		0.5	mg/kg
CTDP-4-0.5	0.5	2/3/97	Cobalt	97000	0.92		0.5	mg/kg
CTDP-4-0.5	0.5	2/3/97	Copper	63000	3.3		0.5	mg/kg
CTDP-4-0.5	0.5	2/3/97	Lead	1000	2.2		1.0	mg/kg
CTDP-4-0.5	0.5	2/3/97	Molybdenum	8500	ND		0.5	mg/kg
CTDP-4-0.5	0.5	2/3/97	Nickel	11000	1.8		0.5	mg/kg
CTDP-4-0.5	0.5	2/3/97	Selenium	8500	ND		1.0	mg/kg
CTDP-4-0.5	0.5	2/3/97	Silver	8500	ND		0.5	mg/kg
CTDP-4-0.5	0.5	2/3/97	Thallium	120	ND		5.0	mg/kg
CTDP-4-0.5	0.5	2/3/97	Vanadium	12000	6.7		0.5	mg/kg
CTDP-4-0.5	0.5	2/3/97	Zinc	100000	24		0.5	mg/kg
CTDP-4-0.5	0.5	2/3/97	Mercury	68	ND		.02	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CTDP-4-0.5	0.5	2/3/97	pH	NA	8.12	J	-	pH Units
PIPELINES								
OM1-9	9	10/24/96	Antimony	680	ND		5.0	mg/kg
OM1-9	9	10/24/96	Arsenic	2.4	7.6		1.0	mg/kg
OM1-9	9	10/24/96	Barium	100000	92.		.5	mg/kg
OM1-9	9	10/24/96	Beryllium	1.1	0.33		.13	mg/kg
OM1-9	9	10/24/96	Cadmium	850	0.83		.12	mg/kg
OM1-9	9	10/24/96	Chromium	450	18.		.5	mg/kg
OM1-9	9	10/24/96	Cobalt	97000	7.1		.5	mg/kg
OM1-9	9	10/24/96	Copper	63000	60.		.5	mg/kg
OM1-9	9	10/24/96	Lead	1000	9.0		1.0	mg/kg
OM1-9	9	10/24/96	Molybdenum	8500	ND		.5	mg/kg
OM1-9	9	10/24/96	Nickel	11000	16.		.5	mg/kg
OM1-9	9	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
OM1-9	9	10/24/96	Silver	8500	ND		.5	mg/kg
OM1-9	9	10/24/96	Thallium	120	ND		5.0	mg/kg
OM1-9	9	10/24/96	Vanadium	12000	40.		.5	mg/kg
OM1-9	9	10/24/96	Zinc	100000	68.		.5	mg/kg
OM1-9	9	10/24/96	Mercury	68	.026		.02	mg/kg
OM1-9	9	10/24/96	TPH (Aviation Gas)	500	ND	UJ	50.	mg/kg
OM1-9	9	10/24/96	TPH (Crude/Waste Oil)	1000	ND	UJ	50.	mg/kg
OM1-9	9	10/24/96	TPH (Diesel-FFP)	1000	ND	UJ	5.0	mg/kg
OM1-9	9	10/24/96	TPH (Gasoline)	500	ND	UJ	20.	mg/kg
OM1-9	9	10/24/96	TPH (Heavy Naptha)	500	ND	UJ	10.	mg/kg
OM1-9	9	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	21	J	20.	mg/kg
OM1-9	9	10/24/96	TPH (Jet Fuel JP4)	500	ND	UJ	10.	mg/kg
OM1-9	9	10/24/96	TPH (Jet Fuel JP5)	500	ND	UJ	10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
OM1-9	9	10/24/96	TPH (Jet Fuel JP8)	500	ND	UJ	10.	mg/kg
OM1-9	9	10/24/96	TPH (Kerosene)	500	ND	UJ	10.	mg/kg
OM1-9	9	10/24/96	TPH (Light Naptha)	500	ND	UJ	50.	mg/kg
OM1-9	9	10/24/96	TPH (Stoddard Solvent)	500	ND	UJ	20.	mg/kg
OM1-9	9	10/24/96	TPH (WD 40)	1000	ND	UJ	10.	mg/kg
OM1-9	9	10/24/96	pH	NA	7.89	J	-	pH Units
FOP1-10	10	10/24/96	Antimony	680	ND		5.0	mg/kg
FOP1-10	10	10/24/96	Arsenic	2.4	ND		1.0	mg/kg
FOP1-10	10	10/24/96	Barium	100000	50.		.5	mg/kg
FOP1-10	10	10/24/96	Beryllium	1.1	0.21		.13	mg/kg
FOP1-10	10	10/24/96	Cadmium	850	0.39		.12	mg/kg
FOP1-10	10	10/24/96	Chromium	450	3.5		.5	mg/kg
FOP1-10	10	10/24/96	Cobalt	97000	2.8		.5	mg/kg
FOP1-10	10	10/24/96	Copper	63000	4.6		.5	mg/kg
FOP1-10	10	10/24/96	Lead	1000	1.7		1.0	mg/kg
FOP1-10	10	10/24/96	Molybdenum	8500	ND		.5	mg/kg
FOP1-10	10	10/24/96	Nickel	11000	2.8		.5	mg/kg
FOP1-10	10	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
FOP1-10	10	10/24/96	Silver	8500	ND		.5	mg/kg
FOP1-10	10	10/24/96	Thallium	120	ND		5.0	mg/kg
FOP1-10	10	10/24/96	Vanadium	12000	11.		.5	mg/kg
FOP1-10	10	10/24/96	Zinc	100000	22.		.5	mg/kg
FOP1-10	10	10/24/96	Mercury	68	ND		.02	mg/kg
FOP1-10	10	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
FOP1-10	10	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
FOP1-10	10	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
FOP1-10	10	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
FOP1-10	10	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
FOP1-10	10	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
FOP1-10	10	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
FOP1-10	10	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
FOP1-10	10	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
FOP1-10	10	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
FOP1-10	10	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
FOP1-10	10	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
FOP1-10	10	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
FOP1-5	5	10/24/96	Antimony	680	ND		5.0	mg/kg
FOP1-5	5	10/24/96	Arsenic	2.4	2.2		1.0	mg/kg
FOP1-5	5	10/24/96	Barium	100000	114.		.5	mg/kg
FOP1-5	5	10/24/96	Beryllium	1.1	0.52		.13	mg/kg
FOP1-5	5	10/24/96	Cadmium	850	0.77		.12	mg/kg
FOP1-5	5	10/24/96	Chromium	450	15.		.5	mg/kg
FOP1-5	5	10/24/96	Cobalt	97000	6.7		.5	mg/kg
FOP1-5	5	10/24/96	Copper	63000	13.		.5	mg/kg
FOP1-5	5	10/24/96	Lead	1000	4.9		1.0	mg/kg
FOP1-5	5	10/24/96	Molybdenum	8500	ND		.5	mg/kg
FOP1-5	5	10/24/96	Nickel	11000	11.		.5	mg/kg
FOP1-5	5	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
FOP1-5	5	10/24/96	Silver	8500	ND		.5	mg/kg
FOP1-5	5	10/24/96	Thallium	120	ND		5.0	mg/kg
FOP1-5	5	10/24/96	Vanadium	12000	33.		.5	mg/kg
FOP1-5	5	10/24/96	Zinc	100000	51.		.5	mg/kg
FOP1-5	5	10/24/96	Mercury	68	ND		.02	mg/kg
FOP1-5	5	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
FOP1-5	5	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
FOP1-5	5	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
FOP1-5	5	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
FOP1-5	5	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
FOP1-5	5	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
FOP1-5	5	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
FOP1-5	5	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
FOP1-5	5	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
FOP1-5	5	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
FOP1-5	5	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
FOP1-5	5	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
FOP1-5	5	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
RP1-8	8	11/1/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
RP1-8	8	11/1/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
RP1-8	8	11/1/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
RP1-8	8	11/1/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
RP1-8	8	11/1/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
RP1-8	8	11/1/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
RP1-8	8	11/1/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RP1-8	8	11/1/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
RP1-8	8	11/1/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
RP1-8	8	11/1/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
RP1-8	8	11/1/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Antimony	680	ND		5.0	mg/kg
RP1-8	8	11/1/96	Arsenic	2.4	1.2		1.0	mg/kg
RP1-8	8	11/1/96	Barium	100000	92		.5	mg/kg
RP1-8	8	11/1/96	Benzene	0.011	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Beryllium	1.1	.29		.13	mg/kg
RP1-8	8	11/1/96	Bromobenzene	NA	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Bromochloromethane	NA	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Bromoform	240	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Bromomethane	23	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Cadmium	850	ND		.12	mg/kg
RP1-8	8	11/1/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Chlorobenzene	220	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Chloroethane	1600	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Chloroform	0.53	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Chloromethane	2.6	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Chromium	450	8.0		.5	mg/kg
RP1-8	8	11/1/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
RP1-8	8	11/1/96	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
RP1-8	8	11/1/96	Cobalt	97000	5.9		.5	mg/kg
RP1-8	8	11/1/96	Copper	63000	12		.5	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RP1-8	8	11/1/96	Dibromochloromethane	23	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Dibromomethane	6800	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Ethyl Benzene	2	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Isopropylbenzene	62	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Lead	1000	3.7		1.0	mg/kg
RP1-8	8	11/1/96	Mercury	68	ND		.02	mg/kg
RP1-8	8	11/1/96	Methylene Chloride	18	ND		0.010	mg/kg
RP1-8	8	11/1/96	Molybdenum	8500	ND		.5	mg/kg
RP1-8	8	11/1/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
RP1-8	8	11/1/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Naphthalene	240	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Nickel	11000	5.6		.5	mg/kg
RP1-8	8	11/1/96	o-Xylene	5.3	ND		0.0020	mg/kg
RP1-8	8	11/1/96	p-& m-Xylenes	5.3	ND		0.0020	mg/kg
RP1-8	8	11/1/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
RP1-8	8	11/1/96	pH	NA	7.89	J	-	pH Units
RP1-8	8	11/1/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Selenium	8500	ND		1.0	mg/kg
RP1-8	8	11/1/96	Silver	8500	ND		.5	mg/kg
RP1-8	8	11/1/96	Styrene	680	ND		0.0020	mg/kg
RP1-8	8	11/1/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Tetrachloroethene	17	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Thallium	120	ND		5.0	mg/kg
RP1-8	8	11/1/96	Toluene	0.45	ND		0.0020	mg/kg
RP1-8	8	11/1/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RP1-8	8	11/1/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
RP1-8	8	11/1/96	TPH (Gasoline)	500	ND		20.	mg/kg
RP1-8	8	11/1/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
RP1-8	8	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
RP1-8	8	11/1/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
RP1-8	8	11/1/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
RP1-8	8	11/1/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
RP1-8	8	11/1/96	TPH (Kerosene)	500	ND		10.	mg/kg
RP1-8	8	11/1/96	TPH (Light Naptha)	500	ND		50.	mg/kg
RP1-8	8	11/1/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
RP1-8	8	11/1/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
RP1-8	8	11/1/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
RP1-8	8	11/1/96	Trichloroethene	7	ND		0.0020	mg/kg
RP1-8	8	11/1/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Vanadium	12000	20		.5	mg/kg
RP1-8	8	11/1/96	Vinyl Chloride	0.035	ND		0.0050	mg/kg
RP1-8	8	11/1/96	Zinc	100000	32		.5	mg/kg
SEPTIC TANK AND SEEPAGE PITS								
SP-1-55	55	2/3/97	Antimony	680	ND		5.0	mg/kg
SP-1-55	55	2/3/97	Arsenic	2.4	ND		1.0	mg/kg
SP-1-55	55	2/3/97	Barium	100000	51		.5	mg/kg
SP-1-55	55	2/3/97	Beryllium	1.1	.31		.1	mg/kg
SP-1-55	55	2/3/97	Cadmium	850	ND		.1	mg/kg
SP-1-55	55	2/3/97	Chromium	450	16		.5	mg/kg
SP-1-55	55	2/3/97	Cobalt	97000	7.8		.5	mg/kg
SP-1-55	55	2/3/97	Copper	63000	19		.5	mg/kg
SP-1-55	55	2/3/97	Lead	1000	2.9		1.0	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SP-1-55	55	2/3/97	Molybdenum	8500	1.2		.5	mg/kg
SP-1-55	55	2/3/97	Nickel	11000	13		.5	mg/kg
SP-1-55	55	2/3/97	Selenium	8500	ND		1.0	mg/kg
SP-1-55	55	2/3/97	Silver	8500	ND		.5	mg/kg
SP-1-55	55	2/3/97	Thallium	120	ND		5.0	mg/kg
SP-1-55	55	2/3/97	Vanadium	12000	34		.5	mg/kg
SP-1-55	55	2/3/97	Zinc	100000	121		.5	mg/kg
SP-1-55	55	2/3/97	Mercury	68	.038		0.02	mg/kg
SP-1-55	55	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg
SP-1-55	55	2/3/97	TPH (Crude/Waste Oil)	1000	ND		20.	mg/kg
SP-1-55	55	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
SP-1-55	55	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
SP-1-55	55	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SP-1-55	55	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SP-1-55	55	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SP-1-55	55	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SP-1-55	55	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SP-1-55	55	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg
SP-1-55	55	2/3/97	TPH (Light Naptha)	500	ND.		50.	mg/kg
SP-1-55	55	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SP-1-55	55	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
SP-1-55	55	2/3/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,1,1-Trichloroethane	3000	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,1,2-Trichloroethane	1.5	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,1-Dichloroethane	1700	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,1-Dichloroethene	0.08	ND		0.005	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SP-1-55	55	2/3/97	1,1-Dichloropropene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,2,3-Trichlorobenzene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,2,3-Trichloropropane	0.0031	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,2,4-Trichlorobenzene	5500	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,2,4-Trimethylbenzene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,2-Dibromoethane	0.02	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,2-Dichlorobenzene	700	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,2-Dichloroethane	0.55	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,2-Dichloropropane	0.68	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,3,5-Trimethylbenzene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,3-Dichlorobenzene	860	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,3-Dichloropropane	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	1,4-Dichlorobenzene	8.5	ND		0.005	mg/kg
SP-1-55	55	2/3/97	2,2-Dichloropropane	NA	ND	UJ	0.005	mg/kg
SP-1-55	55	2/3/97	2-Chlorotoluene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	4-Chlorotoluene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Benzene	0.011	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Bromobenzene		ND		0.005	mg/kg
SP-1-55	55	2/3/97	Bromochloromethane	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Bromodichloromethane	1.4	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Bromoform	240	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Bromomethane	23	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Carbon Tetrachloride	0.5	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Chlorobenzene	220	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Chloroethane	1600	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Chloroform	0.53	ND		0.005	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SP-1-55	55	2/3/97	Chloromethane	2.6	ND		0.005	mg/kg
SP-1-55	55	2/3/97	cis-1,2-Dichloroethene	100	ND		0.005	mg/kg
SP-1-55	55	2/3/97	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Dibromochloromethane	23	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Dibromomethane	6800	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Dichlorodifluoromethane	310	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Ethyl Benzene	2	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Hexachlorobutadiene	24	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Isopropylbenzene	62	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Methylene Chloride	18	ND		0.01	mg/kg
SP-1-55	55	2/3/97	Naphthalene	240	ND		0.005	mg/kg
SP-1-55	55	2/3/97	n-Butylbenzene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	n-Propylbenzene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	p-Isopropyltoluene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	sec-Butylbenzene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Styrene	680	ND		0.005	mg/kg
SP-1-55	55	2/3/97	tert-Butylbenzene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Tetrachloroethene	17	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Toluene	0.45	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Total Xylenes	5.3	ND		0.01	mg/kg
SP-1-55	55	2/3/97	trans-1,2-Dichloroethene	270	ND		0.005	mg/kg
SP-1-55	55	2/3/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Trichloroethene	7	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Trichlorofluoromethane	1300	ND		0.005	mg/kg
SP-1-55	55	2/3/97	Vinyl Chloride	0.035	ND		0.005	mg/kg
SP-1-55	55	2/3/97	pH	NA	6.32	J	-	pH Units
SP-1-60	60	2/3/97	Antimony	680	ND		5.0	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SP-1-60	60	2/3/97	Arsenic	2.4	2.9		1.0	mg/kg
SP-1-60	60	2/3/97	Barium	100000	90		.5	mg/kg
SP-1-60	60	2/3/97	Beryllium	1.1	.48		.13	mg/kg
SP-1-60	60	2/3/97	Cadmium	850	ND		.12	mg/kg
SP-1-60	60	2/3/97	Chromium	450	22		.5	mg/kg
SP-1-60	60	2/3/97	Cobalt	97000	9.0		.5	mg/kg
SP-1-60	60	2/3/97	Copper	63000	22		.5	mg/kg
SP-1-60	60	2/3/97	Lead	1000	3.6		1.0	mg/kg
SP-1-60	60	2/3/97	Molybdenum	8500	1.2		.5	mg/kg
SP-1-60	60	2/3/97	Nickel	11000	15		.5	mg/kg
SP-1-60	60	2/3/97	Selenium	8500	1.8		1.0	mg/kg
SP-1-60	60	2/3/97	Silver	8500	ND		.5	mg/kg
SP-1-60	60	2/3/97	Thallium	120	ND		5.0	mg/kg
SP-1-60	60	2/3/97	Vanadium	12000	47		.5	mg/kg
SP-1-60	60	2/3/97	Zinc	100000	39		.5	mg/kg
SP-1-60	60	2/3/97	Mercury	68	ND		0.02	mg/kg
SP-1-60	60	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg
SP-1-60	60	2/3/97	TPH (Crude/Waste Oil)	1000	ND		20.	mg/kg
SP-1-60	60	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
SP-1-60	60	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
SP-1-60	60	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SP-1-60	60	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SP-1-60	60	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SP-1-60	60	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SP-1-60	60	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SP-1-60	60	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg
SP-1-60	60	2/3/97	TPH (Light Naptha)	500	ND		50.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SP-1-60	60	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SP-1-60	60	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
SP-1-60	60	2/3/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,1,1-Trichloroethane	3000	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,1,2-Trichloroethane	1.5	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,1-Dichloroethane	1700	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,1-Dichloroethene	0.08	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,1-Dichloropropene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,2,3-Trichlorobenzene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,2,3-Trichloropropane	0.0031	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,2,4-Trichlorobenzene	5500	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,2,4-Trimethylbenzene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,2-Dibromoethane	0.02	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,2-Dichlorobenzene	700	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,2-Dichloroethane	0.55	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,2-Dichloropropane	0.68	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,3,5-Trimethylbenzene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,3-Dichlorobenzene	860	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,3-Dichloropropane	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	1,4-Dichlorobenzene	8.5	ND		0.005	mg/kg
SP-1-60	60	2/3/97	2,2-Dichloropropane	NA	ND	UJ	0.005	mg/kg
SP-1-60	60	2/3/97	2-Chlorotoluene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	4-Chlorotoluene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Benzene	0.011	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Bromobenzene		ND		0.005	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SP-1-60	60	2/3/97	Bromochloromethane	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Bromodichloromethane	1.4	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Bromoform	240	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Bromomethane	23	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Carbon Tetrachloride	0.5	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Chlorobenzene	220	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Chloroethane	1600	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Chloroform	0.53	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Chloromethane	2.6	ND		0.005	mg/kg
SP-1-60	60	2/3/97	cis-1,2-Dichloroethene	100	ND		0.005	mg/kg
SP-1-60	60	2/3/97	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Dibromochloromethane	23	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Dibromomethane	6800	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Dichlorodifluoromethane	310	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Ethyl Benzene	2	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Hexachlorobutadiene	24	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Isopropylbenzene	62	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Methylene Chloride	18	ND		0.01	mg/kg
SP-1-60	60	2/3/97	Naphthalene	240	ND		0.005	mg/kg
SP-1-60	60	2/3/97	n-Butylbenzene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	n-Propylbenzene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	p-Isopropyltoluene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	sec-Butylbenzene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Styrene	680	ND		0.005	mg/kg
SP-1-60	60	2/3/97	tert-Butylbenzene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Tetrachloroethene	17	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Toluene	0.45	ND		0.005	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SP-1-60	60	2/3/97	Total Xylenes	5.3	ND		0.01	mg/kg
SP-1-60	60	2/3/97	trans-1,2-Dichloroethene	270	ND		0.005	mg/kg
SP-1-60	60	2/3/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Trichloroethene	7	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Trichlorofluoromethane	1300	ND		0.005	mg/kg
SP-1-60	60	2/3/97	Vinyl Chloride	0.035	ND		0.005	mg/kg
SP-1-60	60	2/3/97	pH	NA	6.95	J	-	pH Units
SP-2-55	55	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg
SP-2-55	55	2/3/97	TPH (Crude/Waste Oil)	1000	ND		20.	mg/kg
SP-2-55	55	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
SP-2-55	55	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
SP-2-55	55	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SP-2-55	55	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SP-2-55	55	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SP-2-55	55	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SP-2-55	55	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SP-2-55	55	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg
SP-2-55	55	2/3/97	TPH (Light Naptha)	500	ND		50.	mg/kg
SP-2-55	55	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SP-2-55	55	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
SP-2-55	55	2/3/97	1,1,1,2-Tetrachloroethane	5.4	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,1,1-Trichloroethane	3000	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,1,2,2-Tetrachloroethane	1.1	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,1,2-Trichloroethane	1.5	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,1-Dichloroethane	1700	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,1-Dichloroethene	0.08	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,1-Dichloropropene	NA	ND		0.005	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SP-2-55	55	2/3/97	1,2,3-Trichlorobenzene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,2,3-Trichloropropane	0.0031	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,2,4-Trichlorobenzene	5500	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,2,4-Trimethylbenzene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,2-Dibromo-3-chloropropane	1.4	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,2-Dibromoethane	0.02	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,2-Dichlorobenzene	700	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,2-Dichloroethane	0.55	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,2-Dichloropropane	0.68	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,3,5-Trimethylbenzene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,3-Dichlorobenzene	860	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,3-Dichloropropane	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	1,4-Dichlorobenzene	8.5	ND		0.005	mg/kg
SP-2-55	55	2/3/97	2,2-Dichloropropane	NA	ND	UJ	0.005	mg/kg
SP-2-55	55	2/3/97	2-Chlorotoluene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	4-Chlorotoluene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Benzene	0.011	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Bromobenzene		ND		0.005	mg/kg
SP-2-55	55	2/3/97	Bromochloromethane	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Bromodichloromethane	1.4	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Bromoform	240	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Bromomethane	23	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Carbon Tetrachloride	0.5	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Chlorobenzene	220	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Chloroethane	1600	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Chloroform	0.53	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Chloromethane	2.6	ND		0.005	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SP-2-55	55	2/3/97	cis-1,2-Dichloroethene	100	ND		0.005	mg/kg
SP-2-55	55	2/3/97	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Dibromochloromethane	23	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Dibromomethane	6800	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Dichlorodifluoromethane	310	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Ethyl Benzene	2	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Hexachlorobutadiene	24	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Isopropylbenzene	62	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Methylene Chloride	18	ND		0.01	mg/kg
SP-2-55	55	2/3/97	Naphthalene	240	ND		0.005	mg/kg
SP-2-55	55	2/3/97	n-Butylbenzene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	n-Propylbenzene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	p-Isopropyltoluene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	sec-Butylbenzene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Styrene	680	ND		0.005	mg/kg
SP-2-55	55	2/3/97	tert-Butylbenzene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Tetrachloroethene	17	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Toluene	0.45	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Total Xylenes	5.3	ND		0.01	mg/kg
SP-2-55	55	2/3/97	trans-1,2-Dichloroethene	270	ND		0.005	mg/kg
SP-2-55	55	2/3/97	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Trichloroethene	7	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Trichlorofluoromethane	1300	ND		0.005	mg/kg
SP-2-55	55	2/3/97	Vinyl Chloride	0.035	ND		0.005	mg/kg
SS1-15	15	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
SS1-15	15	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
SS1-15	15	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SS1-15	15	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
SS1-15	15	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SS1-15	15	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SS1-15	15	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SS1-15	15	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SS1-15	15	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SS1-15	15	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
SS1-15	15	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
SS1-15	15	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SS1-15	15	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
SS1-15	15	10/24/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS1-15	15	10/24/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS1-15	15	10/24/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS1-15	15	10/24/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS1-15	15	10/24/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS1-15	15	10/24/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS1-15	15	10/24/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SS1-15	15	10/24/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS1-15	15	10/24/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS1-15	15	10/24/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
SS1-15	15	10/24/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS1-15	15	10/24/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Benzene	0.011	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Bromobenzene	NA	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Bromoform	240	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Bromomethane	23	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Chloroethane	1600	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Chloroform	0.53	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS1-15	15	10/24/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS1-15	15	10/24/96	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS1-15	15	10/24/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Ethyl Benzene	2	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Methylene Chloride	18	ND		0.010	mg/kg
SS1-15	15	10/24/96	n-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SS1-15	15	10/24/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Naphthalene	240	ND		0.0050	mg/kg
SS1-15	15	10/24/96	o-Xylene	5.3	ND		0.0020	mg/kg
SS1-15	15	10/24/96	p-& m-Xylenes	5.3	ND		0.0020	mg/kg
SS1-15	15	10/24/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS1-15	15	10/24/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Styrene	680	ND		0.0020	mg/kg
SS1-15	15	10/24/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Toluene	0.45	ND		0.0020	mg/kg
SS1-15	15	10/24/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS1-15	15	10/24/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS1-15	15	10/24/96	Trichloroethene	7	ND		0.0020	mg/kg
SS1-15	15	10/24/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS1-15	15	10/24/96	Vinyl Chloride	0.035	ND		0.0050	mg/kg
SS1-15	15	10/24/96	pH	NA	8.15		-	pH Units
SS2-15	15	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
SS2-15	15	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
SS2-15	15	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
SS2-15	15	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
SS2-15	15	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SS2-15	15	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SS2-15	15	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SS2-15	15	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SS2-15	15	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SS2-15	15	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
SS2-15	15	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SS2-15	15	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SS2-15	15	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
SS2-15	15	10/24/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
SS2-15	15	10/24/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
SS2-15	15	10/24/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
SS2-15	15	10/24/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
SS2-15	15	10/24/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
SS2-15	15	10/24/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
SS2-15	15	10/24/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
SS2-15	15	10/24/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
SS2-15	15	10/24/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
SS2-15	15	10/24/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
SS2-15	15	10/24/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
SS2-15	15	10/24/96	Benzene	0.011	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Bromobenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SS2-15	15	10/24/96	Bromochloromethane	NA	ND		0.0050	mg/kg
SS2-15	15	10/24/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Bromoform	240	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Bromomethane	23	ND		0.0050	mg/kg
SS2-15	15	10/24/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
SS2-15	15	10/24/96	Chlorobenzene	220	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Chloroethane	1600	ND		0.0050	mg/kg
SS2-15	15	10/24/96	Chloroform	0.53	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Chloromethane	2.6	ND		0.0050	mg/kg
SS2-15	15	10/24/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
SS2-15	15	10/24/96	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS2-15	15	10/24/96	Dibromochloromethane	23	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Dibromomethane	6800	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
SS2-15	15	10/24/96	Ethyl Benzene	2	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
SS2-15	15	10/24/96	Isopropylbenzene	62	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Methylene Chloride	18	ND		0.010	mg/kg
SS2-15	15	10/24/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
SS2-15	15	10/24/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Naphthalene	240	ND		0.0050	mg/kg
SS2-15	15	10/24/96	o-Xylene	5.3	ND		0.0020	mg/kg
SS2-15	15	10/24/96	p-& m-Xylenes	5.3	ND		0.0020	mg/kg
SS2-15	15	10/24/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
SS2-15	15	10/24/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
SS2-15	15	10/24/96	Styrene	680	ND		0.0020	mg/kg
SS2-15	15	10/24/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SS2-15	15	10/24/96	Tetrachloroethene	17	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Toluene	0.45	ND		0.0020	mg/kg
SS2-15	15	10/24/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
SS2-15	15	10/24/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
SS2-15	15	10/24/96	Trichloroethene	7	ND		0.0020	mg/kg
SS2-15	15	10/24/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
SS2-15	15	10/24/96	Vinyl Chloride	0.035	ND		0.0050	mg/kg
SS2-15	15	10/24/96	pH	NA	7.89		-	pH Units
HARDINGE FILTER WATER PROCESSOR AREA								
CT/WS-1-0.5	0.5	10/24/96	Antimony	680	ND		5.0	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Arsenic	2.4	2.5		1.0	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Barium	100000	168.		.5	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Beryllium	1.1	0.41		.13	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Cadmium	850	0.23		.12	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Chromium	450	20.		.5	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Cobalt	97000	9.3		.5	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Copper	63000	17.		.5	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Lead	1000	7.6		1.0	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Molybdenum	8500	ND		.5	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Nickel	11000	15.		.5	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Silver	8500	ND		.5	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Thallium	120	ND		5.0	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Vanadium	12000	45.		.5	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Zinc	100000	72.		.5	mg/kg
CT/WS-1-0.5	0.5	10/24/96	Mercury	68	ND		.02	mg/kg
CT/WS-1-0.5	0.5	10/24/96	pH	NA	8.27	J	-	pH Units

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CT/WSB-1-5	5	10/24/96	Antimony	680	ND		5.0	mg/kg
CT/WSB-1-5	5	10/24/96	Arsenic	2.4	1.8		1.0	mg/kg
CT/WSB-1-5	5	10/24/96	Barium	100000	112.		.5	mg/kg
CT/WSB-1-5	5	10/24/96	Beryllium	1.1	0.32		.13	mg/kg
CT/WSB-1-5	5	10/24/96	Cadmium	850	0.74		.12	mg/kg
CT/WSB-1-5	5	10/24/96	Chromium	450	13.		.5	mg/kg
CT/WSB-1-5	5	10/24/96	Cobalt	97000	5.8		.5	mg/kg
CT/WSB-1-5	5	10/24/96	Copper	63000	12.		.5	mg/kg
CT/WSB-1-5	5	10/24/96	Lead	1000	4.1		1.0	mg/kg
CT/WSB-1-5	5	10/24/96	Molybdenum	8500	ND		.5	mg/kg
CT/WSB-1-5	5	10/24/96	Nickel	11000	9.3		.5	mg/kg
CT/WSB-1-5	5	10/24/96	Selenium	8500	ND	UJ	1.0	mg/kg
CT/WSB-1-5	5	10/24/96	Silver	8500	ND		.5	mg/kg
CT/WSB-1-5	5	10/24/96	Thallium	120	ND		5.0	mg/kg
CT/WSB-1-5	5	10/24/96	Vanadium	12000	31.		.5	mg/kg
CT/WSB-1-5	5	10/24/96	Zinc	100000	48.		.5	mg/kg
CT/WSB-1-5	5	10/24/96	Mercury	68	ND		.02	mg/kg
CT/WSB-1-5	5	10/24/96	pH	NA	8.16	J	-	pH Units
SWITCHYARD PERIMETER								
B/EB-1-0.5	0.5	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
B/EB-1-0.5	0.5	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
B/EB-1-0.5	0.5	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
B/EB-1-0.5	0.5	10/24/96	PCB-1016	50	ND		.01	mg/kg
B/EB-1-0.5	0.5	10/24/96	PCB-1221	50	ND		.01	mg/kg
B/EB-1-0.5	0.5	10/24/96	PCB-1232	50	ND		.01	mg/kg
B/EB-1-0.5	0.5	10/24/96	PCB-1242	50	ND		.01	mg/kg
B/EB-1-0.5	0.5	10/24/96	PCB-1248	50	ND		.01	mg/kg
B/EB-1-0.5	0.5	10/24/96	PCB-1254	50	ND		.01	mg/kg
B/EB-1-0.5	0.5	10/24/96	PCB-1260	50	ND		.01	mg/kg
B/EB-1-0.5	0.5	10/24/96	Total PCBs (Summation)	NA	ND		.01	mg/kg
B/EB-1-3	3	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
B/EB-1-3	3	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
B/EB-1-3	3	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
B/EB-1-3	3	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
B/EB-1-3	3	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
B/EB-1-3	3	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
B/EB-1-3	3	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
B/EB-1-3	3	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
B/EB-1-3	3	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
B/EB-1-3	3	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
B/EB-1-3	3	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
B/EB-1-3	3	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
B/EB-1-3	3	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
B/EB-1-3	3	10/24/96	PCB-1016	50	ND		.01	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
B/EB-1-3	3	10/24/96	PCB-1221	50	ND		.01	mg/kg
B/EB-1-3	3	10/24/96	PCB-1232	50	ND		.01	mg/kg
B/EB-1-3	3	10/24/96	PCB-1242	50	ND		.01	mg/kg
B/EB-1-3	3	10/24/96	PCB-1248	50	ND		.01	mg/kg
B/EB-1-3	3	10/24/96	PCB-1254	50	ND		.01	mg/kg
B/EB-1-3	3	10/24/96	PCB-1260	50	ND		.01	mg/kg
SRFP-3-0.5	0.5	10/23/96	Total PCBs (Summation)	NA	ND		.01	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SRFP-3-0.5	0.5	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
SRFP-3-0.5	0.5	10/23/96	PCB-1016	50	ND		0.050	mg/kg
SRFP-3-0.5	0.5	10/23/96	PCB-1221	50	ND		0.050	mg/kg
SRFP-3-0.5	0.5	10/23/96	PCB-1232	50	ND		0.050	mg/kg
SRFP-3-0.5	0.5	10/23/96	PCB-1242	50	ND		0.050	mg/kg
SRFP-3-0.5	0.5	10/23/96	PCB-1248	50	ND		0.050	mg/kg
SRFP-3-0.5	0.5	10/23/96	PCB-1254	50	ND		0.050	mg/kg
SRFP-3-0.5	0.5	10/23/96	PCB-1260	50	ND		0.050	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SRFP-3-0.5	0.5	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
SRFP-3-3	3	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
SRFP-3-3	3	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
SRFP-3-3	3	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
SRFP-3-3	3	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
SRFP-3-3	3	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SRFP-3-3	3	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SRFP-3-3	3	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SRFP-3-3	3	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SRFP-3-3	3	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SRFP-3-3	3	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
SRFP-3-3	3	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
SRFP-3-3	3	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SRFP-3-3	3	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
SRFP-3-3	3	10/23/96	PCB-1016	50	ND		0.050	mg/kg
SRFP-3-3	3	10/23/96	PCB-1221	50	ND		0.050	mg/kg
SRFP-3-3	3	10/23/96	PCB-1232	50	ND		0.050	mg/kg
SRFP-3-3	3	10/23/96	PCB-1242	50	ND		0.050	mg/kg
SRFP-3-3	3	10/23/96	PCB-1248	50	ND		0.050	mg/kg
SRFP-3-3	3	10/23/96	PCB-1254	50	ND		0.050	mg/kg
SRFP-3-3	3	10/23/96	PCB-1260	50	ND		0.050	mg/kg
SRFP-3-3	3	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
SRFP-3-5	5	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
SRFP-3-5	5	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
SRFP-3-5	5	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
SRFP-3-5	5	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
SRFP-3-5	5	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SRFP-3-5	5	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SRFP-3-5	5	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SRFP-3-5	5	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SRFP-3-5	5	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SRFP-3-5	5	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
SRFP-3-5	5	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
SRFP-3-5	5	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SRFP-3-5	5	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
SRFP-3-5	5	10/23/96	PCB-1016	50	ND		0.050	mg/kg
SRFP-3-5	5	10/23/96	PCB-1221	50	ND		0.050	mg/kg
SRFP-3-5	5	10/23/96	PCB-1232	50	ND		0.050	mg/kg
SRFP-3-5	5	10/23/96	PCB-1242	50	ND		0.050	mg/kg
SRFP-3-5	5	10/23/96	PCB-1248	50	ND		0.050	mg/kg
SRFP-3-5	5	10/23/96	PCB-1254	50	ND		0.050	mg/kg
SRFP-3-5	5	10/23/96	PCB-1260	50	ND		0.050	mg/kg
SRFP-3-5	5	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SRFP1-0.85	0.85	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SRFP1-0.85	0.85	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
SRFP1-0.85	0.85	10/23/96	PCB-1016	50	ND		0.050	mg/kg
SRFP1-0.85	0.85	10/23/96	PCB-1221	50	ND		0.050	mg/kg
SRFP1-0.85	0.85	10/23/96	PCB-1232	50	ND		0.050	mg/kg
SRFP1-0.85	0.85	10/23/96	PCB-1242	50	ND		0.050	mg/kg
SRFP1-0.85	0.85	10/23/96	PCB-1248	50	ND		0.050	mg/kg
SRFP1-0.85	0.85	10/23/96	PCB-1254	50	ND		0.050	mg/kg
SRFP1-0.85	0.85	10/23/96	PCB-1260	50	ND		0.050	mg/kg
SRFP1-0.85	0.85	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SRFP1-3.0	3	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
SRFP1-3.0	3	10/23/96	PCB-1016	50	ND		0.050	mg/kg
SRFP1-3.0	3	10/23/96	PCB-1221	50	ND		0.050	mg/kg
SRFP1-3.0	3	10/23/96	PCB-1232	50	ND		0.050	mg/kg
SRFP1-3.0	3	10/23/96	PCB-1242	50	ND		0.050	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SRFP1-3.0	3	10/23/96	PCB-1248	50	ND		0.050	mg/kg
SRFP1-3.0	3	10/23/96	PCB-1254	50	ND		0.050	mg/kg
SRFP1-3.0	3	10/23/96	PCB-1260	50	ND		0.050	mg/kg
SRFP1-3.0	3	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SRFP2-0.85	0.85	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
SRFP2-0.85	0.85	10/23/96	PCB-1016	50	ND		0.050	mg/kg
SRFP2-0.85	0.85	10/23/96	PCB-1221	50	ND		0.050	mg/kg
SRFP2-0.85	0.85	10/23/96	PCB-1232	50	ND		0.050	mg/kg
SRFP2-0.85	0.85	10/23/96	PCB-1242	50	ND		0.050	mg/kg
SRFP2-0.85	0.85	10/23/96	PCB-1248	50	ND		0.050	mg/kg
SRFP2-0.85	0.85	10/23/96	PCB-1254	50	ND		0.050	mg/kg
SRFP2-0.85	0.85	10/23/96	PCB-1260	50	ND		0.050	mg/kg
SRFP2-3.0	3	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
SRFP2-3.0	3	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
			TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SRFP2-3.0	3	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
SRFP2-3.0	3	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
SRFP2-3.0	3	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SRFP2-3.0	3	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SRFP2-3.0	3	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SRFP2-3.0	3	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SRFP2-3.0	3	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SRFP2-3.0	3	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
SRFP2-3.0	3	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
SRFP2-3.0	3	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SRFP2-3.0	3	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
SRFP2-3.0	3	10/23/96	PCB-1016	50	ND		0.050	mg/kg
SRFP2-3.0	3	10/23/96	PCB-1221	50	ND		0.050	mg/kg
SRFP2-3.0	3	10/23/96	PCB-1232	50	ND		0.050	mg/kg
SRFP2-3.0	3	10/23/96	PCB-1242	50	ND		0.050	mg/kg
SRFP2-3.0	3	10/23/96	PCB-1248	50	ND		0.050	mg/kg
SRFP2-3.0	3	10/23/96	PCB-1254	50	ND		0.050	mg/kg
SRFP2-3.0	3	10/23/96	PCB-1260	50	ND		0.050	mg/kg
SRFP2-3.0	3	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SRFP4-0.5	0.5	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SRFP4-0.5	0.5	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
SRFP4-0.5	0.5	10/24/96	PCB-1016	50	ND		.01	mg/kg
SRFP4-0.5	0.5	10/24/96	PCB-1221	50	ND		.01	mg/kg
SRFP4-0.5	0.5	10/24/96	PCB-1232	50	ND		.01	mg/kg
SRFP4-0.5	0.5	10/24/96	PCB-1242	50	ND		.01	mg/kg
SRFP4-0.5	0.5	10/24/96	PCB-1248	50	ND		.01	mg/kg
SRFP4-0.5	0.5	10/24/96	PCB-1254	50	ND		.01	mg/kg
SRFP4-0.5	0.5	10/24/96	PCB-1260	50	ND		.01	mg/kg
SRFP4-3	3	10/24/96	Total PCBs (Summation)	NA	ND		.01	mg/kg
SRFP4-3	3	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
SRFP4-3	3	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
SRFP4-3	3	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
SRFP4-3	3	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
SRFP4-3	3	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
SRFP4-3	3	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
SRFP4-3	3	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
SRFP4-3	3	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
SRFP4-3	3	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
SRFP4-3	3	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
SRFP4-3	3	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
SRFP4-3	3	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
SRFP4-3	3	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
SRFP4-3	3	10/24/96	PCB-1016	50	ND		.01	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
SRFP4-3	3	10/24/96	PCB-1221	50	ND		.01	mg/kg
SRFP4-3	3	10/24/96	PCB-1232	50	ND		.01	mg/kg
SRFP4-3	3	10/24/96	PCB-1242	50	ND		.01	mg/kg
SRFP4-3	3	10/24/96	PCB-1248	50	ND		.01	mg/kg
SRFP4-3	3	10/24/96	PCB-1254	50	ND		.01	mg/kg
SRFP4-3	3	10/24/96	PCB-1260	50	ND		.01	mg/kg
SRFP4-3	3	10/24/96	Total PCBs (Summation)	NA	ND		.01	mg/kg
RESEARCH AND DEVELOPMENT AREA								
RD-1-4.5	4.5	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
RD-1-4.5	4.5	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
RD-1-4.5	4.5	10/24/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-1-4.5	4.5	10/24/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
RD-1-4.5	4.5	10/24/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Benzene	0.011	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Bromobenzene	NA	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Bromochloromethane	NA	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Bromoform	240	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Bromomethane	23	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Chlorobenzene	220	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Chloroethane	1600	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Chloroform	0.53	ND		0.0020	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-1-4.5	4.5	10/24/96	Chloromethane	2.6	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
RD-1-4.5	4.5	10/24/96	Dibromochloromethane	23	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Dibromomethane	6800	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Ethyl Benzene	2	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Isopropylbenzene	62	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Methylene Chloride	18	ND		0.010	mg/kg
RD-1-4.5	4.5	10/24/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Naphthalene	240	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	o-Xylene	5.3	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	p-& m-Xylenes	5.3	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Styrene	680	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Tetrachloroethene	17	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Toluene	0.45	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
RD-1-4.5	4.5	10/24/96	Trichloroethene	7	ND		0.0020	mg/kg
RD-1-4.5	4.5	10/24/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	Vinyl Chloride	0.035	ND		0.0050	mg/kg
RD-1-4.5	4.5	10/24/96	pH	NA	8.32		-	pH Units

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-1-7.5	7.5	10/24/96	TPH (Aviation Gas)	500	ND		100	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Crude/Waste Oil)	1000	350	J	100	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Diesel-FFP)	1000	ND		10	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Gasoline)	500	ND		40	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Heavy Naptha)	500	ND		20	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		40	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Jet Fuel JP4)	500	ND		20	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Jet Fuel JP5)	500	ND		20	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Jet Fuel JP8)	500	ND		20	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Kerosene)	500	ND		20	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Light Naptha)	500	ND		100	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (Stoddard Solvent)	500	ND		40	mg/kg
RD-1-7.5	7.5	10/24/96	TPH (WD 40)	1000	ND		20	mg/kg
RD-1-7.5	7.5	10/24/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
RD-1-7.5	7.5	10/24/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-1-7.5	7.5	10/24/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	Benzene	0.011	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Bromobenzene	NA	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	Bromochloromethane	NA	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Bromoform	240	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Bromomethane	23	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	Chlorobenzene	220	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Chloroethane	1600	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	Chloroform	0.53	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Chloromethane	2.6	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
RD-1-7.5	7.5	10/24/96	Dibromochloromethane	23	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Dibromomethane	6800	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	Ethyl Benzene	2	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-1-7.5	7.5	10/24/96	Isopropylbenzene	62	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Methylene Chloride	18	ND		0.010	mg/kg
RD-1-7.5	7.5	10/24/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Naphthalene	240	.013		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	o-Xylene	5.3	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	p-& m-Xylenes	5.3	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	Styrene	680	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	Tetrachloroethene	17	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Toluene	0.45	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
RD-1-7.5	7.5	10/24/96	Trichloroethene	7	ND		0.0020	mg/kg
RD-1-7.5	7.5	10/24/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	Vinyl Chloride	0.035	ND		0.0050	mg/kg
RD-1-7.5	7.5	10/24/96	pH	NA	7.91		-	pH Units
RD-1-7.5	7.5	10/24/96	Acenapthene	110	0.70	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Dibenzofuran	140	0.30	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Fluorene	90	0.70	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Phenanthrene	NA	6.70	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Anthracene	5.7	2.20	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Carbazole	95	0.60	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Fluoranthene	27000	8.20	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Pyrene	100	76.00	*	**	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-1-7.5	7.5	10/24/96	Benz(a)anthracene	2.6	4.10	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Chrysene	7.2	4.30	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Benzo(b)fluoranthene	2.6	3.10	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Benzo(k)fluoranthene	26	1.30	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Ideno[1,2,3-cd]anthracene	NA	2.50	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Dibenzo (a,h) anthracene	0.26	1.00	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Benzo[g,h,i]perylene	NA	0.20	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	1-Methylanthracene	NA	1.00	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	2-Methylanthracene	NA	1.20	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	4H-Cyclopenta[def]phenanthrene	NA	1.90	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	2-Phenylnapthalene	NA	1.20	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	11H-Benzo[b]fluorene	NA	2.00	*	**	mg/kg
RD-1-7.5	7.5	10/24/96	Tetracosane	NA	3.20	*	**	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
RD-2-0.5	0.5	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
RD-3-08	8	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-3-08	8	2/3/97	TPH (Crude/Waste Oil)	1000	ND		20.	mg/kg
RD-3-08	8	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
RD-3-08	8	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
RD-3-08	8	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
RD-3-08	8	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
RD-3-08	8	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
RD-3-08	8	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
RD-3-08	8	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
RD-3-08	8	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg
RD-3-08	8	2/3/97	TPH (Light Naptha)	500	ND		50.	mg/kg
RD-3-08	8	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
RD-3-08	8	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
RD-3-08	8	2/3/97	1,2,4-Trichlorobenzene	5500	ND		0.1	mg/kg
RD-3-08	8	2/3/97	1,2-Dichlorobenzene	700	ND		0.1	mg/kg
RD-3-08	8	2/3/97	1,2-Diphenylhydrazine	2.4	ND		0.1	mg/kg
RD-3-08	8	2/3/97	1,3-Dichlorobenzene	860	ND		0.1	mg/kg
RD-3-08	8	2/3/97	1,4-Dichlorobenzene	8.5	ND		0.1	mg/kg
RD-3-08	8	2/3/97	2,4,5-Trichlorophenol	68000	ND		0.2	mg/kg
RD-3-08	8	2/3/97	2,4,6-Trichlorophenol	170	ND		0.2	mg/kg
RD-3-08	8	2/3/97	2,4-Dichlorophenol	2000	ND		0.1	mg/kg
RD-3-08	8	2/3/97	2,4-Dimethylphenol	14000	ND		0.1	mg/kg
RD-3-08	8	2/3/97	2,4-Dinitrophenol	1400	ND	R	0.5	mg/kg
RD-3-08	8	2/3/97	2,4-Dinitrotoluene	1400	ND		0.1	mg/kg
RD-3-08	8	2/3/97	2,6-Dinitrotoluene	680	ND		0.1	mg/kg
RD-3-08	8	2/3/97	2-Chloronaphthalene	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	2-Chlorophenol	370	ND		0.1	mg/kg
RD-3-08	8	2/3/97	2-Methyl-4,6-dinitrophenol	NA	ND	UJ	0.2	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-3-08	8	2/3/97	2-Methylnaphthalene	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	2-Methylphenol	34000	ND		0.1	mg/kg
RD-3-08	8	2/3/97	2-Naphthylamine	NA	ND		1.	mg/kg
RD-3-08	8	2/3/97	2-Nitroaniline	41	ND		0.1	mg/kg
RD-3-08	8	2/3/97	2-Nitrophenol	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	3,3-Dichlorobenzidine	4.2	ND		0.2	mg/kg
RD-3-08	8	2/3/97	3-Nitroaniline	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	4,4-DDD	7.9	ND		0.1	mg/kg
RD-3-08	8	2/3/97	4,4-DDE	5.6	ND		0.1	mg/kg
RD-3-08	8	2/3/97	4,4-DDT	5.6	ND		0.1	mg/kg
RD-3-08	8	2/3/97	4-Bromophenyl-phenyl-ether	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	4-Chloro-3-methylphenol	NA	ND		0.2	mg/kg
RD-3-08	8	2/3/97	4-Chloroaniline	2700	ND		0.1	mg/kg
RD-3-08	8	2/3/97	4-Chlorophenylphenyl-ether	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	4-Methylphenol	3400	ND		0.1	mg/kg
RD-3-08	8	2/3/97	4-Nitroaniline	NA	ND		0.2	mg/kg
RD-3-08	8	2/3/97	4-Nitrophenol	NA	ND		0.2	mg/kg
RD-3-08	8	2/3/97	Acenaphthene	110	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Acenaphthylene	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Aldrin	0.11	ND		0.1	mg/kg
RD-3-08	8	2/3/97	alpha-BHC	0.3	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Aniline	200	ND		0.2	mg/kg
RD-3-08	8	2/3/97	Anthracene	5.7	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Benzidine	0.0083	ND		1.	mg/kg
RD-3-08	8	2/3/97	Benzo-a-anthracene	2.6	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Benzo-a-pyrene	0.26	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Benzo-b-fluoranthene	2.6	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-3-08	8	2/3/97	Benzo-ghi-perylene	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Benzoic-acid	100000	ND	UJ	0.2	mg/kg
RD-3-08	8	2/3/97	Benzo-k-fluoranthene	26	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Benzyl alcohol	100000	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Benzyl-butyl-phthalate	930	ND		0.1	mg/kg
RD-3-08	8	2/3/97	beta-BHC	1.1	ND		0.1	mg/kg
RD-3-08	8	2/3/97	bis(2-chloro-1-methylethyl) ether	27	ND		0.1	mg/kg
RD-3-08	8	2/3/97	bis-2-chloroethoxy-methane	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	bis-2-chloroethyl-ether	0.097	ND		0.1	mg/kg
RD-3-08	8	2/3/97	bis-2-ethylhexyl-phthalate	140	ND		0.2	mg/kg
RD-3-08	8	2/3/97	Chrysene	7.2	ND		0.1	mg/kg
RD-3-08	8	2/3/97	delta-BHC	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Dibenzo (a,h) anthracene	0.26	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Dibenzofuran	140	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Dieldrin	0.12	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Diethyl-phthalate	100000	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Dimethyl-phthalate	100000	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Di-n-butyl-phthalate	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Di-n-octylphthalate	10000	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Endosulfan I	4100	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Endosulfan II	4100	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Endosulfan Sulfate	4100	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Endrin	200	ND	UJ	0.1	mg/kg
RD-3-08	8	2/3/97	Endrin Aldehyde	NA	ND	UJ	0.50	mg/kg
RD-3-08	8	2/3/97	Fluoranthene	27000	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Fluorene	90	ND		0.1	mg/kg
RD-3-08	8	2/3/97	gamma-BHC	NA	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-3-08	8	2/3/97	Heptachlor	0.42	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Heptachlor epoxide	0.21	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Hexachlorobenzene	1.2	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Hexachlorobutadiene	24	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Hexachlorocyclopentadiene	4600	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Hexachloroethane	140	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Indeno-1,2,3-cd-pyrene	2.6	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Isophorone	2000	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Naphthalene	240	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Nitrobenzene	94	ND		0.1	mg/kg
RD-3-08	8	2/3/97	N-Nitrosodimethylamine	0.037	ND		0.1	mg/kg
RD-3-08	8	2/3/97	N-nitrosodi-n-propylamine	0.27	ND		0.1	mg/kg
RD-3-08	8	2/3/97	N-Nitrosodiphenylamine	390	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Pentachlorophenol	7.9	ND		0.2	mg/kg
RD-3-08	8	2/3/97	Phenanthrene	NA	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Phenol	100000	ND		0.1	mg/kg
RD-3-08	8	2/3/97	Pyrene	100	ND		0.1	mg/kg
RD-3-12	12	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg
RD-3-12	12	2/3/97	TPH (Crude/Waste Oil)	1000	ND		20.	mg/kg
RD-3-12	12	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
RD-3-12	12	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
RD-3-12	12	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
RD-3-12	12	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
RD-3-12	12	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
RD-3-12	12	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
RD-3-12	12	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
RD-3-12	12	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-3-12	12	2/3/97	TPH (Light Naptha)	500	ND		50.	mg/kg
RD-3-12	12	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
RD-3-12	12	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
RD-3-12	12	2/3/97	1,2,4-Trichlorobenzene	5500	ND		0.1	mg/kg
RD-3-12	12	2/3/97	1,2-Dichlorobenzene	700	ND		0.1	mg/kg
RD-3-12	12	2/3/97	1,2-Diphenylhydrazine	2.4	ND		0.1	mg/kg
RD-3-12	12	2/3/97	1,3-Dichlorobenzene	860	ND		0.1	mg/kg
RD-3-12	12	2/3/97	1,4-Dichlorobenzene	8.5	ND		0.1	mg/kg
RD-3-12	12	2/3/97	2,4,5-Trichlorophenol	68000	ND		0.2	mg/kg
RD-3-12	12	2/3/97	2,4,6-Trichlorophenol	170	ND		0.2	mg/kg
RD-3-12	12	2/3/97	2,4-Dichlorophenol	2000	ND		0.1	mg/kg
RD-3-12	12	2/3/97	2,4-Dimethylphenol	14000	ND		0.1	mg/kg
RD-3-12	12	2/3/97	2,4-Dinitrophenol	1400	ND	R	0.5	mg/kg
RD-3-12	12	2/3/97	2,4-Dinitrotoluene	1400	ND		0.1	mg/kg
RD-3-12	12	2/3/97	2,6-Dinitrotoluene	680	ND		0.1	mg/kg
RD-3-12	12	2/3/97	2-Chloronaphthalene	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	2-Chlorophenol	370	ND		0.1	mg/kg
RD-3-12	12	2/3/97	2-Methyl-4,6-dinitrophenol	NA	ND	UJ	0.2	mg/kg
RD-3-12	12	2/3/97	2-Methylnaphthalene	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	2-Methylphenol	34000	ND		0.1	mg/kg
RD-3-12	12	2/3/97	2-Naphthylamine	NA	ND		1.	mg/kg
RD-3-12	12	2/3/97	2-Nitroaniline	41	ND		0.1	mg/kg
RD-3-12	12	2/3/97	2-Nitrophenol	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	3,3-Dichlorobenzidine	4.2	ND		0.2	mg/kg
RD-3-12	12	2/3/97	3-Nitroaniline	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	4,4-DDD	7.9	ND		0.1	mg/kg
RD-3-12	12	2/3/97	4,4-DDE	5.6	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-3-12	12	2/3/97	4,4-DDT	5.6	ND		0.1	mg/kg
RD-3-12	12	2/3/97	4-Bromophenyl-phenyl-ether	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	4-Chloro-3-methylphenol	NA	ND		0.2	mg/kg
RD-3-12	12	2/3/97	4-Chloroaniline	2700	ND		0.1	mg/kg
RD-3-12	12	2/3/97	4-Chlorophenylphenyl-ether	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	4-Methylphenol	3400	ND		0.1	mg/kg
RD-3-12	12	2/3/97	4-Nitroaniline	NA	ND		0.2	mg/kg
RD-3-12	12	2/3/97	4-Nitrophenol	NA	ND		0.2	mg/kg
RD-3-12	12	2/3/97	Acenaphthene	110	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Acenaphthylene	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Aldrin	0.11	ND		0.1	mg/kg
RD-3-12	12	2/3/97	alpha-BHC	0.3	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Aniline	200	ND		0.2	mg/kg
RD-3-12	12	2/3/97	Anthracene	5.7	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Benzidine	0.0083	ND		1.	mg/kg
RD-3-12	12	2/3/97	Benzo-a-anthracene	2.6	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Benzo-a-pyrene	0.26	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Benzo-b-fluoranthene	2.6	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Benzo-ghi-perylene	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Benzoic-acid	100000	ND	UJ	0.2	mg/kg
RD-3-12	12	2/3/97	Benzo-k-fluoranthene	26	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Benzyl alcohol	100000	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Benzyl-butyl-phthalate	930	ND		0.1	mg/kg
RD-3-12	12	2/3/97	beta-BHC	1.1	ND		0.1	mg/kg
RD-3-12	12	2/3/97	bis(2-chloro-1-methylethyl) ether	27	ND		0.1	mg/kg
RD-3-12	12	2/3/97	bis-2-chloroethoxy-methane	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	bis-2-chloroethyl-ether	0.097	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-3-12	12	2/3/97	bis-2-ethylhexyl-phthalate	140	ND		0.2	mg/kg
RD-3-12	12	2/3/97	Chrysene	7.2	ND		0.1	mg/kg
RD-3-12	12	2/3/97	delta-BHC	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Dibenzo (a,h) anthracene	0.26	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Dibenzofuran	140	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Dieldrin	0.12	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Diethyl-phthalate	100000	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Dimethyl-phthalate	100000	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Di-n-butyl-phthalate	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Di-n-octylphthalate	10000	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Endosulfan I	4100	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Endosulfan II	4100	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Endosulfan Sulfate	4100	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Endrin	200	ND	UJ	0.1	mg/kg
RD-3-12	12	2/3/97	Endrin Aldehyde	NA	ND	UJ	0.50	mg/kg
RD-3-12	12	2/3/97	Fluoranthene	27000	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Fluorene	90	ND		0.1	mg/kg
RD-3-12	12	2/3/97	gamma-BHC	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Heptachlor	0.42	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Heptachlor epoxide	0.21	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Hexachlorobenzene	1.2	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Hexachlorobutadiene	24	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Hexachlorocyclopentadiene	4600	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Hexachloroethane	140	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Indeno-1,2,3-cd-pyrene	2.6	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Isophorone	2000	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Naphthalene	240	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-3-12	12	2/3/97	Nitrobenzene	94	ND		0.1	mg/kg
RD-3-12	12	2/3/97	N-Nitrosodimethylamine	0.037	ND		0.1	mg/kg
RD-3-12	12	2/3/97	N-nitrosodi-n-propylamine	0.27	ND		0.1	mg/kg
RD-3-12	12	2/3/97	N-Nitrosodiphenylamine	390	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Pentachlorophenol	7.9	ND		0.2	mg/kg
RD-3-12	12	2/3/97	Phenanthrene	NA	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Phenol	100000	ND		0.1	mg/kg
RD-3-12	12	2/3/97	Pyrene	100	ND		0.1	mg/kg
RD-4-08	8	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg
RD-4-08	8	2/3/97	TPH (Crude/Waste Oil)	1000	ND		20.	mg/kg
RD-4-08	8	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
RD-4-08	8	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
RD-4-08	8	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
RD-4-08	8	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
RD-4-08	8	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
RD-4-08	8	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
RD-4-08	8	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
RD-4-08	8	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg
RD-4-08	8	2/3/97	TPH (Light Naptha)	500	ND		50.	mg/kg
RD-4-08	8	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
RD-4-08	8	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
RD-4-08	8	2/3/97	1,2,4-Trichlorobenzene	5500	ND		0.1	mg/kg
RD-4-08	8	2/3/97	1,2-Dichlorobenzene	700	ND		0.1	mg/kg
RD-4-08	8	2/3/97	1,2-Diphenylhydrazine	2.4	ND		0.1	mg/kg
RD-4-08	8	2/3/97	1,3-Dichlorobenzene	860	ND		0.1	mg/kg
RD-4-08	8	2/3/97	1,4-Dichlorobenzene	8.5	ND		0.1	mg/kg
RD-4-08	8	2/3/97	2,4,5-Trichlorophenol	68000	ND		0.2	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-08	8	2/3/97	2,4,6-Trichlorophenol	170	ND		0.2	mg/kg
RD-4-08	8	2/3/97	2,4-Dichlorophenol	2000	ND		0.1	mg/kg
RD-4-08	8	2/3/97	2,4-Dimethylphenol	14000	ND		0.1	mg/kg
RD-4-08	8	2/3/97	2,4-Dinitrophenol	1400	ND	R	0.5	mg/kg
RD-4-08	8	2/3/97	2,4-Dinitrotoluene	1400	ND		0.1	mg/kg
RD-4-08	8	2/3/97	2,6-Dinitrotoluene	680	ND		0.1	mg/kg
RD-4-08	8	2/3/97	2-Chloronaphthalene	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	2-Chlorophenol	370	ND		0.1	mg/kg
RD-4-08	8	2/3/97	2-Methyl-4,6-dinitrophenol	NA	ND	UJ	0.2	mg/kg
RD-4-08	8	2/3/97	2-Methylnaphthalene	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	2-Methylphenol	34000	ND		0.1	mg/kg
RD-4-08	8	2/3/97	2-Naphthylamine	NA	ND		1.	mg/kg
RD-4-08	8	2/3/97	2-Nitroaniline	41	ND		0.1	mg/kg
RD-4-08	8	2/3/97	2-Nitrophenol	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	3,3-Dichlorobenzidine	4.2	ND		0.2	mg/kg
RD-4-08	8	2/3/97	3-Nitroaniline	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	4,4-DDD	7.9	ND		0.1	mg/kg
RD-4-08	8	2/3/97	4,4-DDE	5.6	ND		0.1	mg/kg
RD-4-08	8	2/3/97	4,4-DDT	5.6	ND		0.1	mg/kg
RD-4-08	8	2/3/97	4-Bromophenyl-phenyl-ether	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	4-Chloro-3-methylphenol	NA	ND		0.2	mg/kg
RD-4-08	8	2/3/97	4-Chloroaniline	2700	ND		0.1	mg/kg
RD-4-08	8	2/3/97	4-Chlorophenylphenyl-ether	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	4-Methylphenol	3400	ND		0.1	mg/kg
RD-4-08	8	2/3/97	4-Nitroaniline	NA	ND		0.2	mg/kg
RD-4-08	8	2/3/97	4-Nitrophenol	NA	ND		0.2	mg/kg
RD-4-08	8	2/3/97	Acenaphthene	110	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-08	8	2/3/97	Acenaphthylene	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Aldrin	0.11	ND		0.1	mg/kg
RD-4-08	8	2/3/97	alpha-BHC	0.3	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Aniline	200	ND		0.2	mg/kg
RD-4-08	8	2/3/97	Anthracene	5.7	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Benzidine	0.0083	ND		1.	mg/kg
RD-4-08	8	2/3/97	Benzo-a-anthracene	2.6	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Benzo-a-pyrene	0.26	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Benzo-b-fluoranthene	2.6	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Benzo-ghi-perylene	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Benzoic-acid	100000	ND	UJ	0.2	mg/kg
RD-4-08	8	2/3/97	Benzo-k-fluoranthene	26	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Benzyl alcohol	100000	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Benzyl-butyl-phthalate	930	ND		0.1	mg/kg
RD-4-08	8	2/3/97	beta-BHC	1.1	ND		0.1	mg/kg
RD-4-08	8	2/3/97	bis(2-chloro-1-methylethyl) ether	27	ND		0.1	mg/kg
RD-4-08	8	2/3/97	bis-2-chloroethoxy-methane	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	bis-2-chloroethyl-ether	0.097	ND		0.1	mg/kg
RD-4-08	8	2/3/97	bis-2-ethylhexyl-phthalate	140	ND		0.2	mg/kg
RD-4-08	8	2/3/97	Chrysene	7.2	ND		0.1	mg/kg
RD-4-08	8	2/3/97	delta-BHC	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Dibenzo (a,h) anthracene	0.26	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Dibenzofuran	140	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Dieldrin	0.12	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Diethyl-phthalate	100000	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Dimethyl-phthalate	100000	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Di-n-butyl-phthalate	NA	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-08	8	2/3/97	Di-n-octylphthalate	10000	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Endosulfan I	4100	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Endosulfan II	4100	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Endosulfan Sulfate	4100	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Endrin	200	ND	UJ	0.1	mg/kg
RD-4-08	8	2/3/97	Endrin Aldehyde	NA	ND	UJ	0.50	mg/kg
RD-4-08	8	2/3/97	Fluoranthene	27000	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Fluorene	90	ND		0.1	mg/kg
RD-4-08	8	2/3/97	gamma-BHC	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Heptachlor	0.42	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Heptachlor epoxide	0.21	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Hexachlorobenzene	1.2	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Hexachlorobutadiene	24	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Hexachlorocyclopentadiene	4600	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Hexachloroethane	140	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Indeno-1,2,3-cd-pyrene	2.6	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Isophorone	2000	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Naphthalene	240	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Nitrobenzene	94	ND		0.1	mg/kg
RD-4-08	8	2/3/97	N-Nitrosodimethylamine	0.037	ND		0.1	mg/kg
RD-4-08	8	2/3/97	N-nitrosodi-n-propylamine	0.27	ND		0.1	mg/kg
RD-4-08	8	2/3/97	N-Nitrosodiphenylamine	390	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Pentachlorophenol	7.9	ND		0.2	mg/kg
RD-4-08	8	2/3/97	Phenanthrene	NA	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Phenol	100000	ND		0.1	mg/kg
RD-4-08	8	2/3/97	Pyrene	100	ND		0.1	mg/kg
RD-4-12	12	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-12	12	2/3/97	TPH (Crude/Waste Oil)	1000	ND		20.	mg/kg
RD-4-12	12	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
RD-4-12	12	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
RD-4-12	12	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
RD-4-12	12	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
RD-4-12	12	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
RD-4-12	12	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
RD-4-12	12	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
RD-4-12	12	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg
RD-4-12	12	2/3/97	TPH (Light Naptha)	500	ND		50.	mg/kg
RD-4-12	12	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
RD-4-12	12	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
RD-4-12	12	2/3/97	1,2,4-Trichlorobenzene	5500	ND		0.1	mg/kg
RD-4-12	12	2/3/97	1,2-Dichlorobenzene	700	ND		0.1	mg/kg
RD-4-12	12	2/3/97	1,2-Diphenylhydrazine	2.4	ND		0.1	mg/kg
RD-4-12	12	2/3/97	1,3-Dichlorobenzene	860	ND		0.1	mg/kg
RD-4-12	12	2/3/97	1,4-Dichlorobenzene	8.5	ND		0.1	mg/kg
RD-4-12	12	2/3/97	2,4,5-Trichlorophenol	68000	ND		0.2	mg/kg
RD-4-12	12	2/3/97	2,4,6-Trichlorophenol	170	ND		0.2	mg/kg
RD-4-12	12	2/3/97	2,4-Dichlorophenol	2000	ND		0.1	mg/kg
RD-4-12	12	2/3/97	2,4-Dimethylphenol	14000	ND		0.1	mg/kg
RD-4-12	12	2/3/97	2,4-Dinitrophenol	1400	ND	R	0.5	mg/kg
RD-4-12	12	2/3/97	2,4-Dinitrotoluene	1400	ND		0.1	mg/kg
RD-4-12	12	2/3/97	2,6-Dinitrotoluene	680	ND		0.1	mg/kg
RD-4-12	12	2/3/97	2-Chloronaphthalene	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	2-Chlorophenol	370	ND		0.1	mg/kg
RD-4-12	12	2/3/97	2-Methyl-4,6-dinitrophenol	NA	ND	UJ	0.2	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-12	12	2/3/97	2-Methylnaphthalene	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	2-Methylphenol	34000	ND		0.1	mg/kg
RD-4-12	12	2/3/97	2-Naphthylamine	NA	ND		1.	mg/kg
RD-4-12	12	2/3/97	2-Nitroaniline	41	ND		0.1	mg/kg
RD-4-12	12	2/3/97	2-Nitrophenol	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	3,3-Dichlorobenzidine	4.2	ND		0.2	mg/kg
RD-4-12	12	2/3/97	3-Nitroaniline	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	4,4-DDD	7.9	ND		0.1	mg/kg
RD-4-12	12	2/3/97	4,4-DDE	5.6	ND		0.1	mg/kg
RD-4-12	12	2/3/97	4,4-DDT	5.6	ND		0.1	mg/kg
RD-4-12	12	2/3/97	4-Bromophenyl-phenyl-ether	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	4-Chloro-3-methylphenol	NA	ND		0.2	mg/kg
RD-4-12	12	2/3/97	4-Chloroaniline	2700	ND		0.1	mg/kg
RD-4-12	12	2/3/97	4-Chlorophenylphenyl-ether	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	4-Methylphenol	3400	ND		0.1	mg/kg
RD-4-12	12	2/3/97	4-Nitroaniline	NA	ND		0.2	mg/kg
RD-4-12	12	2/3/97	4-Nitrophenol	NA	ND		0.2	mg/kg
RD-4-12	12	2/3/97	Acenaphthene	110	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Acenaphthylene	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Aldrin	0.11	ND		0.1	mg/kg
RD-4-12	12	2/3/97	alpha-BHC	0.3	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Aniline	200	ND		0.2	mg/kg
RD-4-12	12	2/3/97	Anthracene	5.7	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Benzidine	0.0083	ND		1.	mg/kg
RD-4-12	12	2/3/97	Benzo-a-anthracene	2.6	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Benzo-a-pyrene	0.26	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Benzo-b-fluoranthene	2.6	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-12	12	2/3/97	Benzo-ghi-perylene	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Benzoic-acid	100000	ND	UJ	0.2	mg/kg
RD-4-12	12	2/3/97	Benzo-k-fluoranthene	26	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Benzyl alcohol	100000	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Benzyl-butyl-phthalate	930	ND		0.1	mg/kg
RD-4-12	12	2/3/97	beta-BHC	1.1	ND		0.1	mg/kg
RD-4-12	12	2/3/97	bis(2-chloro-1-methylethyl) ether	27	ND		0.1	mg/kg
RD-4-12	12	2/3/97	bis-2-chloroethoxy-methane	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	bis-2-chloroethyl-ether	0.097	ND		0.1	mg/kg
RD-4-12	12	2/3/97	bis-2-ethylhexyl-phthalate	140	ND		0.2	mg/kg
RD-4-12	12	2/3/97	Chrysene	7.2	ND		0.1	mg/kg
RD-4-12	12	2/3/97	delta-BHC	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Dibenzo (a,h) anthracene	0.26	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Dibenzofuran	140	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Dieldrin	0.12	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Diethyl-phthalate	100000	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Dimethyl-phthalate	100000	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Di-n-butyl-phthalate	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Di-n-octylphthalate	10000	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Endosulfan I	4100	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Endosulfan II	4100	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Endosulfan Sulfate	4100	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Endrin	200	ND	UJ	0.1	mg/kg
RD-4-12	12	2/3/97	Endrin Aldehyde	NA	ND	UJ	0.50	mg/kg
RD-4-12	12	2/3/97	Fluoranthene	27000	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Fluorene	90	ND		0.1	mg/kg
RD-4-12	12	2/3/97	gamma-BHC	NA	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-12	12	2/3/97	Heptachlor	0.42	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Heptachlor epoxide	0.21	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Hexachlorobenzene	1.2	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Hexachlorobutadiene	24	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Hexachlorocyclopentadiene	4600	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Hexachloroethane	140	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Indeno-1,2,3-cd-pyrene	2.6	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Isophorone	2000	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Naphthalene	240	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Nitrobenzene	94	ND		0.1	mg/kg
RD-4-12	12	2/3/97	N-Nitrosodimethylamine	0.037	ND		0.1	mg/kg
RD-4-12	12	2/3/97	N-nitrosodi-n-propylamine	0.27	ND		0.1	mg/kg
RD-4-12	12	2/3/97	N-Nitrosodiphenylamine	390	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Pentachlorophenol	7.9	ND		0.2	mg/kg
RD-4-12	12	2/3/97	Phenanthrene	NA	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Phenol	100000	ND		0.1	mg/kg
RD-4-12	12	2/3/97	Pyrene	100	ND		0.1	mg/kg
RD-5-12	12	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg
RD-5-12	12	2/3/97	TPH (Crude/Waste Oil)	1000	ND		20.	mg/kg
RD-5-12	12	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
RD-5-12	12	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
RD-5-12	12	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
RD-5-12	12	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
RD-5-12	12	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
RD-5-12	12	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
RD-5-12	12	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
RD-5-12	12	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-5-12	12	2/3/97	TPH (Light Naptha)	500	ND		50.	mg/kg
RD-5-12	12	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
RD-5-12	12	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
RD-5-12	12	2/3/97	1,2,4-Trichlorobenzene	5500	ND		0.1	mg/kg
RD-5-12	12	2/3/97	1,2-Dichlorobenzene	700	ND		0.1	mg/kg
RD-5-12	12	2/3/97	1,2-Diphenylhydrazine	2.4	ND		0.1	mg/kg
RD-5-12	12	2/3/97	1,3-Dichlorobenzene	860	ND		0.1	mg/kg
RD-5-12	12	2/3/97	1,4-Dichlorobenzene	8.5	ND		0.1	mg/kg
RD-5-12	12	2/3/97	2,4,5-Trichlorophenol	68000	ND		0.2	mg/kg
RD-5-12	12	2/3/97	2,4,6-Trichlorophenol	170	ND		0.2	mg/kg
RD-5-12	12	2/3/97	2,4-Dichlorophenol	2000	ND		0.1	mg/kg
RD-5-12	12	2/3/97	2,4-Dimethylphenol	14000	ND		0.1	mg/kg
RD-5-12	12	2/3/97	2,4-Dinitrophenol	1400	ND	UJ	0.5	mg/kg
RD-5-12	12	2/3/97	2,4-Dinitrotoluene	1400	ND		0.1	mg/kg
RD-5-12	12	2/3/97	2,6-Dinitrotoluene	680	ND		0.1	mg/kg
RD-5-12	12	2/3/97	2-Chloronaphthalene	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	2-Chlorophenol	370	ND		0.1	mg/kg
RD-5-12	12	2/3/97	2-Methyl-4,6-dinitrophenol	NA	ND	UJ	0.2	mg/kg
RD-5-12	12	2/3/97	2-Methylnaphthalene	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	2-Methylphenol	34000	ND		0.1	mg/kg
RD-5-12	12	2/3/97	2-Naphthylamine	NA	ND		1.	mg/kg
RD-5-12	12	2/3/97	2-Nitroaniline	41	ND		0.1	mg/kg
RD-5-12	12	2/3/97	2-Nitrophenol	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	3,3-Dichlorobenzidine	4.2	ND		0.2	mg/kg
RD-5-12	12	2/3/97	3-Nitroaniline	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	4,4-DDD	7.9	ND		0.1	mg/kg
RD-5-12	12	2/3/97	4,4-DDE	5.6	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-5-12	12	2/3/97	4,4-DDT	5.6	ND		0.1	mg/kg
RD-5-12	12	2/3/97	4-Bromophenyl-phenyl-ether	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	4-Chloro-3-methylphenol	NA	ND		0.2	mg/kg
RD-5-12	12	2/3/97	4-Chloroaniline	2700	ND		0.1	mg/kg
RD-5-12	12	2/3/97	4-Chlorophenylphenyl-ether	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	4-Methylphenol	3400	ND		0.1	mg/kg
RD-5-12	12	2/3/97	4-Nitroaniline	NA	ND		0.2	mg/kg
RD-5-12	12	2/3/97	4-Nitrophenol	NA	ND		0.2	mg/kg
RD-5-12	12	2/3/97	Acenaphthene	110	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Acenaphthylene	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Aldrin	0.11	ND		0.1	mg/kg
RD-5-12	12	2/3/97	alpha-BHC	0.3	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Aniline	200	ND		0.2	mg/kg
RD-5-12	12	2/3/97	Anthracene	5.7	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Benzidine	0.0083	ND		1.	mg/kg
RD-5-12	12	2/3/97	Benzo-a-anthracene	2.6	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Benzo-a-pyrene	0.26	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Benzo-b-fluoranthene	2.6	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Benzo-ghi-perylene	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Benzoic-acid	100000	ND	UJ	0.2	mg/kg
RD-5-12	12	2/3/97	Benzo-k-fluoranthene	26	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Benzyl alcohol	100000	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Benzyl-butyl-phthalate	930	ND		0.1	mg/kg
RD-5-12	12	2/3/97	beta-BHC	1.1	ND		0.1	mg/kg
RD-5-12	12	2/3/97	bis(2-chloro-1-methylethyl) ether	27	ND		0.1	mg/kg
RD-5-12	12	2/3/97	bis-2-chloroethoxy-methane	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	bis-2-chloroethyl-ether	0.097	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-5-12	12	2/3/97	bis-2-ethylhexyl-phthalate	140	ND		0.2	mg/kg
RD-5-12	12	2/3/97	Chrysene	7.2	ND		0.1	mg/kg
RD-5-12	12	2/3/97	delta-BHC	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Dibenzo (a,h) anthracene	0.26	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Dibenzofuran	140	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Dieldrin	0.12	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Diethyl-phthalate	100000	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Dimethyl-phthalate	100000	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Di-n-butyl-phthalate	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Di-n-octylphthalate	10000	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Endosulfan I	4100	ND	R	0.1	mg/kg
RD-5-12	12	2/3/97	Endosulfan II	4100	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Endosulfan Sulfate	4100	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Endrin	200	ND	UJ	0.1	mg/kg
RD-5-12	12	2/3/97	Endrin Aldehyde	NA	ND	UJ	0.50	mg/kg
RD-5-12	12	2/3/97	Fluoranthene	27000	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Fluorene	90	ND		0.1	mg/kg
RD-5-12	12	2/3/97	gamma-BHC	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Heptachlor	0.42	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Heptachlor epoxide	0.21	ND	R	0.1	mg/kg
RD-5-12	12	2/3/97	Hexachlorobenzene	1.2	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Hexachlorobutadiene	24	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Hexachlorocyclopentadiene	4600	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Hexachloroethane	140	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Indeno-1,2,3-cd-pyrene	2.6	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Isophorone	2000	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Naphthalene	240	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-5-12	12	2/3/97	Nitrobenzene	94	ND		0.1	mg/kg
RD-5-12	12	2/3/97	N-Nitrosodimethylamine	0.037	ND		0.1	mg/kg
RD-5-12	12	2/3/97	N-nitrosodi-n-propylamine	0.27	ND		0.1	mg/kg
RD-5-12	12	2/3/97	N-Nitrosodiphenylamine	390	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Pentachlorophenol	7.9	ND		0.2	mg/kg
RD-5-12	12	2/3/97	Phenanthrene	NA	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Phenol	100000	ND		0.1	mg/kg
RD-5-12	12	2/3/97	Pyrene	100	ND		0.1	mg/kg
RD-5-8	8	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg
RD-5-8	8	2/3/97	TPH (Crude/Waste Oil)	1000	ND		20.	mg/kg
RD-5-8	8	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
RD-5-8	8	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
RD-5-8	8	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
RD-5-8	8	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
RD-5-8	8	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
RD-5-8	8	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
RD-5-8	8	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
RD-5-8	8	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg
RD-5-8	8	2/3/97	TPH (Light Naptha)	500	ND		50.	mg/kg
RD-5-8	8	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
RD-5-8	8	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
RD-5-8	8	2/3/97	1,2,4-Trichlorobenzene	5500	ND		0.1	mg/kg
RD-5-8	8	2/3/97	1,2-Dichlorobenzene	700	ND		0.1	mg/kg
RD-5-8	8	2/3/97	1,2-Diphenylhydrazine	2.4	ND		0.1	mg/kg
RD-5-8	8	2/3/97	1,3-Dichlorobenzene	860	ND		0.1	mg/kg
RD-5-8	8	2/3/97	1,4-Dichlorobenzene	8.5	ND		0.1	mg/kg
RD-5-8	8	2/3/97	2,4,5-Trichlorophenol	68000	ND		0.2	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-5-8	8	2/3/97	2,4,6-Trichlorophenol	170	ND		0.2	mg/kg
RD-5-8	8	2/3/97	2,4-Dichlorophenol	2000	ND		0.1	mg/kg
RD-5-8	8	2/3/97	2,4-Dimethylphenol	14000	ND		0.1	mg/kg
RD-5-8	8	2/3/97	2,4-Dinitrophenol	1400	ND	UJ	0.5	mg/kg
RD-5-8	8	2/3/97	2,4-Dinitrotoluene	1400	ND		0.1	mg/kg
RD-5-8	8	2/3/97	2,6-Dinitrotoluene	680	ND		0.1	mg/kg
RD-5-8	8	2/3/97	2-Chloronaphthalene	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	2-Chlorophenol	370	ND		0.1	mg/kg
RD-5-8	8	2/3/97	2-Methyl-4,6-dinitrophenol	NA	ND	UJ	0.2	mg/kg
RD-5-8	8	2/3/97	2-Methylnaphthalene	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	2-Methylphenol	34000	ND		0.1	mg/kg
RD-5-8	8	2/3/97	2-Naphthylamine	NA	ND		1.	mg/kg
RD-5-8	8	2/3/97	2-Nitroaniline	41	ND		0.1	mg/kg
RD-5-8	8	2/3/97	2-Nitrophenol	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	3,3-Dichlorobenzidine	4.2	ND		0.2	mg/kg
RD-5-8	8	2/3/97	3-Nitroaniline	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	4,4-DDD	7.9	ND		0.1	mg/kg
RD-5-8	8	2/3/97	4,4-DDE	5.6	ND		0.1	mg/kg
RD-5-8	8	2/3/97	4,4-DDT	5.6	ND		0.1	mg/kg
RD-5-8	8	2/3/97	4-Bromophenyl-phenyl-ether	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	4-Chloro-3-methylphenol	NA	ND		0.2	mg/kg
RD-5-8	8	2/3/97	4-Chloroaniline	2700	ND		0.1	mg/kg
RD-5-8	8	2/3/97	4-Chlorophenylphenyl-ether	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	4-Methylphenol	3400	ND		0.1	mg/kg
RD-5-8	8	2/3/97	4-Nitroaniline	NA	ND		0.2	mg/kg
RD-5-8	8	2/3/97	4-Nitrophenol	NA	ND		0.2	mg/kg
RD-5-8	8	2/3/97	Acenaphthene	110	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-5-8	8	2/3/97	Acenaphthylene	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Aldrin	0.11	ND		0.1	mg/kg
RD-5-8	8	2/3/97	alpha-BHC	0.3	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Aniline	200	ND		0.2	mg/kg
RD-5-8	8	2/3/97	Anthracene	5.7	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Benzidine	0.0083	ND		1.	mg/kg
RD-5-8	8	2/3/97	Benzo-a-anthracene	2.6	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Benzo-a-pyrene	0.26	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Benzo-b-fluoranthene	2.6	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Benzo-ghi-perylene	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Benzoic-acid	100000	ND	UJ	0.2	mg/kg
RD-5-8	8	2/3/97	Benzo-k-fluoranthene	26	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Benzyl alcohol	100000	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Benzyl-butyl-phthalate	930	ND		0.1	mg/kg
RD-5-8	8	2/3/97	beta-BHC	1.1	ND		0.1	mg/kg
RD-5-8	8	2/3/97	bis(2-chloro-1-methylethyl) ether	27	ND		0.1	mg/kg
RD-5-8	8	2/3/97	bis-2-chloroethoxy-methane	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	bis-2-chloroethyl-ether	0.097	ND		0.1	mg/kg
RD-5-8	8	2/3/97	bis-2-ethylhexyl-phthalate	140	ND		0.2	mg/kg
RD-5-8	8	2/3/97	Chrysene	7.2	ND		0.1	mg/kg
RD-5-8	8	2/3/97	delta-BHC	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Dibenzo (a,h) anthracene	0.26	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Dibenzofuran	140	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Dieldrin	0.12	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Diethyl-phthalate	100000	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Dimethyl-phthalate	100000	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Di-n-butyl-phthalate	NA	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-5-8	8	2/3/97	Di-n-octylphthalate	10000	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Endosulfan I	4100	ND	R	0.1	mg/kg
RD-5-8	8	2/3/97	Endosulfan II	4100	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Endosulfan Sulfate	4100	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Endrin	200	ND	UJ	0.1	mg/kg
RD-5-8	8	2/3/97	Endrin Aldehyde	NA	ND	UJ	0.50	mg/kg
RD-5-8	8	2/3/97	Fluoranthene	27000	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Fluorene	90	ND		0.1	mg/kg
RD-5-8	8	2/3/97	gamma-BHC	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Heptachlor	0.42	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Heptachlor epoxide	0.21	ND	R	0.1	mg/kg
RD-5-8	8	2/3/97	Hexachlorobenzene	1.2	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Hexachlorobutadiene	24	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Hexachlorocyclopentadiene	4600	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Hexachloroethane	140	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Indeno-1,2,3-cd-pyrene	2.6	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Isophorone	2000	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Naphthalene	240	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Nitrobenzene	94	ND		0.1	mg/kg
RD-5-8	8	2/3/97	N-Nitrosodimethylamine	0.037	ND		0.1	mg/kg
RD-5-8	8	2/3/97	N-nitrosodi-n-propylamine	0.27	ND		0.1	mg/kg
RD-5-8	8	2/3/97	N-Nitrosodiphenylamine	390	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Pentachlorophenol	7.9	ND		0.2	mg/kg
RD-5-8	8	2/3/97	Phenanthrene	NA	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Phenol	100000	ND		0.1	mg/kg
RD-5-8	8	2/3/97	Pyrene	100	ND		0.1	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
AGRICULTURAL AREA (EAST PARCEL)								
AS1-1	1	11/1/96	Azinphos methyl	NA	ND		.03	mg/kg
AS1-1	1	11/1/96	Bolstar	NA	ND		.03	mg/kg
AS1-1	1	11/1/96	Chlorpyrifos	2000	ND		.03	mg/kg
AS1-1	1	11/1/96	Coumaphos	NA	ND		.03	mg/kg
AS1-1	1	11/1/96	Diazinon	610	ND		.03	mg/kg
AS1-1	1	11/1/96	Dichlorvos	6.6	ND		.03	mg/kg
AS1-1	1	11/1/96	Disulfoton	27	ND		.03	mg/kg
AS1-1	1	11/1/96	Ethoprop	NA	ND		.03	mg/kg
AS1-1	1	11/1/96	Fensulfothion	NA	ND		.03	mg/kg
AS1-1	1	11/1/96	Fenthion	NA	ND		.03	mg/kg
AS1-1	1	11/1/96	Merphos	20	ND		.03	mg/kg
AS1-1	1	11/1/96	Mevinphos	NA	ND		.03	mg/kg
AS1-1	1	11/1/96	Naled Dibrom	1400	ND		.03	mg/kg
AS1-1	1	11/1/96	Parathion methyl	NA	ND		.03	mg/kg
AS1-1	1	11/1/96	PCB-1016	50	ND		0.050	mg/kg
AS1-1	1	11/1/96	PCB-1221	50	ND		0.050	mg/kg
AS1-1	1	11/1/96	PCB-1232	50	ND		0.050	mg/kg
AS1-1	1	11/1/96	PCB-1242	50	ND		0.050	mg/kg
AS1-1	1	11/1/96	PCB-1248	50	ND		0.050	mg/kg
AS1-1	1	11/1/96	PCB-1254	50	ND		0.050	mg/kg
AS1-1	1	11/1/96	PCB-1260	50	ND		0.050	mg/kg
AS1-1	1	11/1/96	Phorate	140	ND		.03	mg/kg
AS1-1	1	11/1/96	Ronnel Fenchlorphos	34000	ND		.03	mg/kg
AS1-1	1	11/1/96	Stirophos Tetrachlorivinphos	NA	ND		.03	mg/kg
AS1-1	1	11/1/96	Tokuthion Prothiofos	NA	ND		.03	mg/kg
AS1-1	1	11/1/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
AS1-1	1	11/1/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
AS1-1	1	11/1/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
AS1-1	1	11/1/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
AS1-1	1	11/1/96	TPH (Gasoline)	500	ND		20.	mg/kg
AS1-1	1	11/1/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
AS1-1	1	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
AS1-1	1	11/1/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
AS1-1	1	11/1/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
AS1-1	1	11/1/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
AS1-1	1	11/1/96	TPH (Kerosene)	500	ND		10.	mg/kg
AS1-1	1	11/1/96	TPH (Light Naptha)	500	ND		50.	mg/kg
AS1-1	1	11/1/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
AS1-1	1	11/1/96	Trichloronate	NA	ND		.03	mg/kg
AS1-3	3	11/1/96	Bolstar	NA	ND		.03	mg/kg
AS1-3	3	11/1/96	Chlorpyrifos	2000	ND		.03	mg/kg
AS1-3	3	11/1/96	Coumaphos	NA	ND		.03	mg/kg
AS1-3	3	11/1/96	Demeton	27	ND		.03	mg/kg
AS1-3	3	11/1/96	Diazinon	610	ND		.03	mg/kg
AS1-3	3	11/1/96	Dichlorvos	6.6	ND		.03	mg/kg
AS1-3	3	11/1/96	Disulfoton	27	ND		.03	mg/kg
AS1-3	3	11/1/96	Ethoprop	NA	ND		.03	mg/kg
AS1-3	3	11/1/96	Fensulfothion	NA	ND		.03	mg/kg
AS1-3	3	11/1/96	Fenthion	NA	ND		.03	mg/kg
AS1-3	3	11/1/96	Merphos	20	ND		.03	mg/kg
AS1-3	3	11/1/96	Mevinphos	NA	ND		.03	mg/kg
AS1-3	3	11/1/96	Naled Dibrom	1400	ND		.03	mg/kg
AS1-3	3	11/1/96	Parathion methyl	NA	ND		.03	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
AS1-3	3	11/1/96	PCB-1016	50	ND		0.050	mg/kg
AS1-3	3	11/1/96	PCB-1221	50	ND		0.050	mg/kg
AS1-3	3	11/1/96	PCB-1232	50	ND		0.050	mg/kg
AS1-3	3	11/1/96	PCB-1242	50	ND		0.050	mg/kg
AS1-3	3	11/1/96	PCB-1248	50	ND		0.050	mg/kg
AS1-3	3	11/1/96	PCB-1254	50	ND		0.050	mg/kg
AS1-3	3	11/1/96	PCB-1260	50	ND		0.050	mg/kg
AS1-3	3	11/1/96	Phorate	140	ND		.03	mg/kg
AS1-3	3	11/1/96	Ronnel Fenchlorphos	34000	ND		.03	mg/kg
AS1-3	3	11/1/96	Stirophos Tetrachlorivinphos	NA	ND		.03	mg/kg
AS1-3	3	11/1/96	Tokuthion Prothiofos	NA	ND		.03	mg/kg
AS1-3	3	11/1/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
AS1-3	3	11/1/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
AS1-3	3	11/1/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
AS1-3	3	11/1/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
AS1-3	3	11/1/96	TPH (Gasoline)	500	ND		20.	mg/kg
AS1-3	3	11/1/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
AS1-3	3	11/1/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
AS1-3	3	11/1/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
AS1-3	3	11/1/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
AS1-3	3	11/1/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
AS1-3	3	11/1/96	TPH (Kerosene)	500	ND		10.	mg/kg
AS1-3	3	11/1/96	TPH (Light Naptha)	500	ND		50.	mg/kg
AS1-3	3	11/1/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
AS1-3	3	11/1/96	TPH (WD 40)	1000	ND		10.	mg/kg
AS1-3	3	11/1/96	Trichloronate	NA	ND		.03	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
AGRICULTURAL AREA (NORTHEAST PARCEL)								
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Crude/Waste Oil)	1000	73		20.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Light Naptha)	500	ND		50.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	4,4-DDD	7.9	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	4,4-DDE	5.6	0.035	J	.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	4,4-DDT	5.6	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Aldrin	0.11	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	alpha-BHC	0.3	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	beta-BHC	1.1	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Chlordane (Technical)	1.5	ND		0.1	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	delta-BHC	NA	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Dieldrin	0.12	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Endosulfan I	4100	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Endosulfan II	4100	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Endosulfan Sulfate	4100	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Endrin	200	ND		.002	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
AGNE-1ABC-0.5	0.5	2/3/97	Endrin Aldehyde	NA	ND		.005	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	gamma-BHC	NA	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Heptachlor	0.42	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Heptachlor epoxide	0.21	ND		.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Methoxychlor	3400	ND	UJ	.002	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	PCB-1016	50	ND		0.1	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	PCB-1221	50	ND		0.1	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	PCB-1232	50	ND		0.1	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	PCB-1242	50	ND		0.1	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	PCB-1248	50	ND		0.1	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	PCB-1254	50	ND		0.1	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	PCB-1260	50	ND		0.1	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Total PCBs (Summation)	NA	ND		0.1	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Toxaphene	1.7	ND		0.1	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Azinphos methyl	NA	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Bolstar	NA	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Chlorpyrifos	2000	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Coumaphos	NA	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Demeton	27	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Diazinon	610	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Dichlorvos	6.6	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Disulfoton	27	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Ethoprop	NA	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Fensulfothion	NA	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Fenthion	NA	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Malathion	14000	ND		.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Merphos	20	ND		0.03	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
AGNE-1ABC-0.5	0.5	2/3/97	Mevinphos	NA	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Naled Dibrom	1400	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Parathion methyl	NA	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Phorate	140	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Ronnel Fenchlorphos	34000	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Stirophos Tetrachlorivinphos	NA	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Thionazin	NA	ND		.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Tokuthion Prothiofos	NA	ND		0.03	mg/kg
AGNE-1ABC-0.5	0.5	2/3/97	Trichloronate	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Aviation Gas)	500	ND		50.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Crude/Waste Oil)	1000	ND		20.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Diesel-FFP)	1000	ND		10.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Gasoline)	500	ND		20.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Heavy Naptha)	500	ND		10.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Kerosene)	500	ND		10.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Light Naptha)	500	ND		50.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
AGNE-1ABC-5	5	2/3/97	TPH (WD 40)	1000	ND		10.	mg/kg
AGNE-1ABC-5	5	2/3/97	4,4-DDD	7.9	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	4,4-DDE	5.6	ND	UJ	0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	4,4-DDT	5.6	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Aldrin	0.11	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	alpha-BHC	0.3	ND		0.0002	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
AGNE-1ABC-5	5	2/3/97	beta-BHC	1.1	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Chlordane (Technical)	1.5	ND		0.01	mg/kg
AGNE-1ABC-5	5	2/3/97	delta-BHC	NA	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Dieldrin	0.12	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Endosulfan I	4100	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Endosulfan II	4100	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Endosulfan Sulfate	4100	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Endrin	200	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Endrin Aldehyde	NA	ND		0.0005	mg/kg
AGNE-1ABC-5	5	2/3/97	gamma-BHC	NA	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Heptachlor	0.42	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Heptachlor epoxide	0.21	ND		0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	Methoxychlor	3400	ND	UJ	0.0002	mg/kg
AGNE-1ABC-5	5	2/3/97	PCB-1016	50	ND		0.01	mg/kg
AGNE-1ABC-5	5	2/3/97	PCB-1221	50	ND		0.01	mg/kg
AGNE-1ABC-5	5	2/3/97	PCB-1232	50	ND		0.01	mg/kg
AGNE-1ABC-5	5	2/3/97	PCB-1242	50	ND		0.01	mg/kg
AGNE-1ABC-5	5	2/3/97	PCB-1248	50	ND		0.01	mg/kg
AGNE-1ABC-5	5	2/3/97	PCB-1254	50	ND		0.01	mg/kg
AGNE-1ABC-5	5	2/3/97	PCB-1260	50	ND		0.01	mg/kg
AGNE-1ABC-5	5	2/3/97	Total PCBs (Summation)	NA	ND		0.01	mg/kg
AGNE-1ABC-5	5	2/3/97	Toxaphene	1.7	ND		0.01	mg/kg
AGNE-1ABC-5	5	2/3/97	Azinphos methyl	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Bolstar	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Chlorpyrifos	2000	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Coumaphos	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Demeton	27	ND		0.03	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
AGNE-1ABC-5	5	2/3/97	Diazinon	610	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Dichlorvos	6.6	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Disulfoton	27	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Ethoprop	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Fensulfothion	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Fenthion	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Malathion	14000	ND		.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Merphos	20	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Mevinphos	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Naled Dibrom	1400	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Parathion methyl	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Phorate	140	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Ronnel Fenchlorphos	34000	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Stirophos Tetrachlorivinphos	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Thionazin	NA	ND		.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Tokuthion Prothiofos	NA	ND		0.03	mg/kg
AGNE-1ABC-5	5	2/3/97	Trichloronate	NA	ND		0.03	mg/kg
POWERBLOCK								
CHI-1.0	1	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
CHI-1.0	1	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
CHI-1.0	1	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
CHI-1.0	1	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
CHI-1.0	1	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
CHI-1.0	1	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
CHI-1.0	1	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
CHI-1.0	1	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
CHI-1.0	1	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CHI-1.0	1	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
CHI-1.0	1	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
CHI-1.0	1	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
CHI-1.0	1	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
CHI-1.0	1	10/23/96	PCB-1016	50	ND		0.050	mg/kg
CHI-1.0	1	10/23/96	PCB-1221	50	ND		0.050	mg/kg
CHI-1.0	1	10/23/96	PCB-1232	50	ND		0.050	mg/kg
CHI-1.0	1	10/23/96	PCB-1242	50	ND		0.050	mg/kg
CHI-1.0	1	10/23/96	PCB-1248	50	ND		0.050	mg/kg
CHI-1.0	1	10/23/96	PCB-1254	50	ND		0.050	mg/kg
CHI-1.0	1	10/23/96	PCB-1260	50	ND		0.050	mg/kg
CHI-1.0	1	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
CHI1-3.0	3	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
CHI1-3.0	3	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
CHI1-3.0	3	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
CHI1-3.0	3	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
CHI1-3.0	3	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
CHI1-3.0	3	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
CHI1-3.0	3	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
CHI1-3.0	3	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
CHI1-3.0	3	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
CHI1-3.0	3	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
CHI1-3.0	3	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
CHI1-3.0	3	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
CHI1-3.0	3	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
CHI1-3.0	3	10/23/96	PCB-1016	50	ND		0.050	mg/kg
CHI1-3.0	3	10/23/96	PCB-1221	50	ND		0.050	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
CHI1-3.0	3	10/23/96	PCB-1232	50	ND		0.050	mg/kg
CHI1-3.0	3	10/23/96	PCB-1242	50	ND		0.050	mg/kg
CHI1-3.0	3	10/23/96	PCB-1248	50	ND		0.050	mg/kg
CHI1-3.0	3	10/23/96	PCB-1254	50	ND		0.050	mg/kg
CHI1-3.0	3	10/23/96	PCB-1260	50	ND		0.050	mg/kg
CHI1-3.0	3	10/23/96	Total PCBs (Summation)	NA	ND		0.050	mg/kg
CM-1-3	3	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
CM-1-3	3	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
CM-1-3	3	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
CM-1-3	3	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
CM-1-3	3	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
CM-1-3	3	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
CM-1-3	3	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
CM-1-3	3	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
CM-1-3	3	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
CM-1-3	3	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
CM-1-3	3	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
CM-1-3	3	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
CM-1-3	3	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
CM-1-3	3	10/23/96	pH	NA	8.51		-	pH Units
NG1-0.75	0.75	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
NG1-0.75	0.75	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
NG1-0.75	0.75	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
NG1-0.75	0.75	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
NG1-0.75	0.75	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
NG1-0.75	0.75	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
NG1-0.75	0.75	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
NG1-0.75	0.75	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
NG1-0.75	0.75	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
NG1-0.75	0.75	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
NG1-0.75	0.75	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
NG1-0.75	0.75	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
NG1-0.75	0.75	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
DRUM STORAGE AREA								
DS-1-0.5	0.5	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Crude/Waste Oil)	1000	58		50.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
DS-1-0.5	0.5	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg
DS-1-0.5	0.5	10/24/96	pH	NA	8.15		-	pH Units
HAZARDOUS WASTE STORAGE AREA								
HW1-1.0	1	10/23/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
HW1-1.0	1	10/23/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
HW1-1.0	1	10/23/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
HW1-1.0	1	10/23/96	TPH (Gasoline)	500	ND		20.	mg/kg
HW1-1.0	1	10/23/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
HW1-1.0	1	10/23/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
HW1-1.0	1	10/23/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
HW1-1.0	1	10/23/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
HW1-1.0	1	10/23/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
HW1-1.0	1	10/23/96	TPH (Kerosene)	500	ND		10.	mg/kg
HW1-1.0	1	10/23/96	TPH (Light Naptha)	500	ND		50.	mg/kg
HW1-1.0	1	10/23/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
HW1-1.0	1	10/23/96	TPH (WD 40)	1000	ND		10.	mg/kg
HW1-1.0	1	10/23/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
HW1-1.0	1	10/23/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
HW1-1.0	1	10/23/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Benzene	0.011	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Bromobenzene	NA	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Bromochloromethane	NA	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Bromoform	240	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Bromomethane	23	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Chlorobenzene	220	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Chloroethane	1600	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Chloroform	0.53	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Chloromethane	2.6	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	cis-1,2-Dichloroethene	100	ND		.0020	mg/kg
HW1-1.0	1	10/23/96	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
HW1-1.0	1	10/23/96	Dibromochloromethane	23	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Dibromomethane	6800	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Ethyl Benzene	2	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Isopropylbenzene	62	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Methylene Chloride	18	ND		0.010	mg/kg
HW1-1.0	1	10/23/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Naphthalene	240	ND		0.0050	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
HW1-1.0	1	10/23/96	o-Xylene	5.3	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	p-& m-Xylenes	5.3	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Styrene	680	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Tetrachloroethene	17	ND		.0020	mg/kg
HW1-1.0	1	10/23/96	Toluene	0.45	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
HW1-1.0	1	10/23/96	Trichloroethene	7	ND		0.0020	mg/kg
HW1-1.0	1	10/23/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	Vinyl Chloride	0.035	ND		0.0050	mg/kg
HW1-1.0	1	10/23/96	pH	NA	7.95		-	pH Units
HW1-5	5	10/24/96	TPH (Aviation Gas)	500	ND		50.	mg/kg
HW1-5	5	10/24/96	TPH (Crude/Waste Oil)	1000	ND		50.	mg/kg
HW1-5	5	10/24/96	TPH (Diesel-FFP)	1000	ND		5.0	mg/kg
HW1-5	5	10/24/96	TPH (Gasoline)	500	ND		20.	mg/kg
HW1-5	5	10/24/96	TPH (Heavy Naptha)	500	ND		10.	mg/kg
HW1-5	5	10/24/96	TPH (Hydraulic Oil / Motor-Oil)	1000	ND		20.	mg/kg
HW1-5	5	10/24/96	TPH (Jet Fuel JP4)	500	ND		10.	mg/kg
HW1-5	5	10/24/96	TPH (Jet Fuel JP5)	500	ND		10.	mg/kg
HW1-5	5	10/24/96	TPH (Jet Fuel JP8)	500	ND		10.	mg/kg
HW1-5	5	10/24/96	TPH (Kerosene)	500	ND		10.	mg/kg
HW1-5	5	10/24/96	TPH (Light Naptha)	500	ND		50.	mg/kg
HW1-5	5	10/24/96	TPH (Stoddard Solvent)	500	ND		20.	mg/kg
HW1-5	5	10/24/96	TPH (WD 40)	1000	ND		10.	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
HW1-5	5	10/24/96	1,1,1,2-Tetrachloroethane	5.4	ND		0.0050	mg/kg
HW1-5	5	10/24/96	1,1,1-Trichloroethane	3000	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,1,2,2-Tetrachloroethane	1.1	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,1,2-Trichloroethane	1.5	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,1-Dichloroethane	1700	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,1-Dichloroethene	0.08	ND		0.0050	mg/kg
HW1-5	5	10/24/96	1,1-Dichloropropene	NA	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,2,3-Trichlorobenzene	NA	ND		0.0050	mg/kg
HW1-5	5	10/24/96	1,2,3-Trichloropropane	0.0031	ND		0.010	mg/kg
HW1-5	5	10/24/96	1,2,4-Trichlorobenzene	5500	ND		0.0050	mg/kg
HW1-5	5	10/24/96	1,2,4-Trimethylbenzene	NA	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,2-Dibromo-3-chloropropane	1.4	ND		0.0050	mg/kg
HW1-5	5	10/24/96	1,2-Dibromoethane	0.02	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,2-Dichlorobenzene	700	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,2-Dichloroethane	0.55	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,2-Dichloropropane	0.68	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,3,5-Trimethylbenzene	NA	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,3-Dichlorobenzene	860	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,3-Dichloropropane	NA	ND		0.0020	mg/kg
HW1-5	5	10/24/96	1,4-Dichlorobenzene	8.5	ND		0.0020	mg/kg
HW1-5	5	10/24/96	2,2-Dichloropropane	NA	ND		0.0020	mg/kg
HW1-5	5	10/24/96	2-Chlorotoluene	NA	ND		0.0050	mg/kg
HW1-5	5	10/24/96	4-Chlorotoluene	NA	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Benzene	0.011	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Bromobenzene	NA	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Bromochloromethane	NA	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Bromodichloromethane	1.4	ND		0.0020	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
HW1-5	5	10/24/96	Bromoform	240	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Bromomethane	23	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Carbon Tetrachloride	0.5	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Chlorobenzene	220	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Chloroethane	1600	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Chloroform	0.53	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Chloromethane	2.6	ND		0.0050	mg/kg
HW1-5	5	10/24/96	cis-1,2-Dichloroethene	100	ND		0.0020	mg/kg
HW1-5	5	10/24/96	cis-1,3-Dichloropropene	NA	ND		0.005	mg/kg
HW1-5	5	10/24/96	Dibromochloromethane	23	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Dibromomethane	6800	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Dichlorodifluoromethane	310	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Ethyl Benzene	2	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Hexachlorobutadiene	24	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Isopropylbenzene	62	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Methylene Chloride	18	ND		0.010	mg/kg
HW1-5	5	10/24/96	n-Butylbenzene	NA	ND		0.0050	mg/kg
HW1-5	5	10/24/96	n-Propylbenzene	NA	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Naphthalene	240	ND		0.0050	mg/kg
HW1-5	5	10/24/96	o-Xylene	5.3	ND		0.0020	mg/kg
HW1-5	5	10/24/96	p-& m-Xylenes	5.3	ND		0.0020	mg/kg
HW1-5	5	10/24/96	p-Isopropyltoluene	NA	ND		0.0020	mg/kg
HW1-5	5	10/24/96	sec-Butylbenzene	NA	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Styrene	680	ND		0.0020	mg/kg
HW1-5	5	10/24/96	tert-Butylbenzene	NA	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Tetrachloroethene	17	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Toluene	0.45	ND		0.0020	mg/kg

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
HW1-5	5	10/24/96	trans-1,2-Dichloroethene	270	ND		0.0020	mg/kg
HW1-5	5	10/24/96	trans-1,3-Dichloropropene	NA	ND		0.005	mg/kg
HW1-5	5	10/24/96	Trichloroethene	7	ND		0.0020	mg/kg
HW1-5	5	10/24/96	Trichlorofluoromethane	1300	ND		0.0050	mg/kg
HW1-5	5	10/24/96	Vinyl Chloride	0.035	ND		0.0050	mg/kg
HW1-5	5	10/24/96	pH	NA	8.81		-	pH Units
BLANKS								
EB-HA3		10/23/96	Total Antimony	NA	ND		.5	mg/L
EB-HA3		10/23/96	Total Arsenic	NA	ND		.01	mg/L
EB-HA3		10/23/96	Total Barium	NA	ND		.05	mg/L
EB-HA3		10/23/96	Total Beryllium	NA	ND		.01	mg/L
EB-HA3		10/23/96	Total Cadmium	NA	ND		.005	mg/L
EB-HA3		10/23/96	Total Chromium	NA	ND		.005	mg/L
EB-HA3		10/23/96	Total Cobalt	NA	ND		.05	mg/L
EB-HA3		10/23/96	Total Copper	NA	ND		.05	mg/L
EB-HA3		10/23/96	Total Lead	NA	ND		.005	mg/L
EB-HA3		10/23/96	Total Molybdenum	NA	ND		.10	mg/L
EB-HA3		10/23/96	Total Nickel	NA	ND		.05	mg/L
EB-HA3		10/23/96	Total Selenium	NA	ND		.01	mg/L
EB-HA3		10/23/96	Total Silver	NA	ND		.05	mg/L
EB-HA3		10/23/96	Total Thallium	NA	ND		.5	mg/L
EB-HA3		10/23/96	Total Vanadium	NA	ND		.05	mg/L
EB-HA3		10/23/96	Total Zinc	NA	ND		.05	mg/L
EB-HA3		10/23/96	Total Mercury	NA	ND		0.0002	mg/L
EB-HA3		10/23/96	TPH (Aviation Gas)	NA	ND		1000.	µg/L
EB-HA3		10/23/96	TPH (Crude/Waste Oil)	NA	ND		1000.	µg/L
EB-HA3		10/23/96	TPH (Diesel-FFP)	NA	ND		200.	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
EB-HA3		10/23/96	TPH (Gasoline)	NA	ND		500.	µg/L
EB-HA3		10/23/96	TPH (Heavy Naptha)	NA	ND		200.	µg/L
EB-HA3		10/23/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
EB-HA3		10/23/96	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L
EB-HA3		10/23/96	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
EB-HA3		10/23/96	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L
EB-HA3		10/23/96	TPH (Kerosene)	NA	ND		200.	µg/L
EB-HA3		10/23/96	TPH (Light Naptha)	NA	ND		1000.	µg/L
EB-HA3		10/23/96	TPH (Stoddard Solvent)	NA	ND		500.	µg/L
EB-HA3		10/23/96	TPH (WD 40)	NA	ND		200.	µg/L
EB-HA3		10/23/96	PCB-1016	NA	ND		1	µg/L
EB-HA3		10/23/96	PCB-1221	NA	ND		1	µg/L
EB-HA3		10/23/96	PCB-1232	NA	ND		1	µg/L
EB-HA3		10/23/96	PCB-1242	NA	ND		1	µg/L
EB-HA3		10/23/96	PCB-1248	NA	ND		1	µg/L
EB-HA3		10/23/96	PCB-1254	NA	ND		1	µg/L
EB-HA3		10/23/96	PCB-1260	NA	ND		1	µg/L
EB-HA3		10/23/96	Total PCBs (Summation)	NA	ND		1	µg/L
EB-HA3		10/23/96	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,1,1-Trichloroethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,1-Dichloroethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,1-Dichloroethene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,1-Dichloropropene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,2,3-Trichloropropane	NA	ND		1.0	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
EB-HA3		10/23/96	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,2-Dibromo-3-chloropropane	NA	ND		5	µg/L
EB-HA3		10/23/96	1,2-Dibromoethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,2-Dichloroethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,2-Dichloropropane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,3-Dichloropropane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	1,4-Dichlorobenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	2,2-Dichloropropane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	2-Chlorotoluene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	4-Chlorotoluene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Benzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Bromobenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Bromochloromethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Bromodichloromethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Bromoform	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Bromomethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Carbon Tetrachloride	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Chlorobenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Chloroethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Chloroform	NA	.57		0.50	µg/L
EB-HA3		10/23/96	Chloromethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	cis-1,2-Dichloroethene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	cis-1,3-Dichloropropene	NA	ND		.5	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
EB-HA3		10/23/96	Dibromochloromethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Dibromomethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Dichlorodifluoromethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Ethyl Benzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Hexachlorobutadiene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Isopropylbenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Methylene Chloride	NA	2.0		1.0	µg/L
EB-HA3		10/23/96	n-Butylbenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	n-Propylbenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Naphthalene	NA	ND		1.0	µg/L
EB-HA3		10/23/96	o-Xylene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	p-& m-Xylenes	NA	ND		1.0	µg/L
EB-HA3		10/23/96	p-Isopropyltoluene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	sec-Butylbenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Styrene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	tert-Butylbenzene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Tetrachloroethene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Toluene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	trans-1,2-Dichloroethene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Trichloroethene	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Trichlorofluoromethane	NA	ND		0.50	µg/L
EB-HA3		10/23/96	Vinyl Chloride	NA	ND		0.50	µg/L
EQ-HA1		10/23/96	TPH (Aviation Gas)	NA	ND		3000	µg/L
EQ-HA1		10/23/96	TPH (Crude/Waste Oil)	NA	ND		3000.	µg/L
EQ-HA1		10/23/96	TPH (Diesel-FFP)	NA	ND		500	µg/L
EQ-HA1		10/23/96	TPH (Gasoline)	NA	ND		2000	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
EQ-HA1		10/23/96	TPH (Heavy Naptha)	NA	ND		500	µg/L
EQ-HA1		10/23/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		2000	µg/L
EQ-HA1		10/23/96	TPH (Jet Fuel JP4)	NA	ND		5000	µg/L
EQ-HA1		10/23/96	TPH (Jet Fuel JP5)	NA	ND		500	µg/L
EQ-HA1		10/23/96	TPH (Jet Fuel JP8)	NA	ND		500	µg/L
EQ-HA1		10/23/96	TPH (Kerosene)	NA	ND		500	µg/L
EQ-HA1		10/23/96	TPH (Light Naptha)	NA	ND		3000	µg/L
EQ-HA1		10/23/96	TPH (Stoddard Solvent)	NA	ND		2000	µg/L
EQ-HA1		10/23/96	TPH (WD 40)	NA	ND		500	µg/L
EQ-HA1		10/23/96	PCB-1016	NA	ND		.5	µg/L
EQ-HA1		10/23/96	PCB-1221	NA	ND		.5	µg/L
EQ-HA1		10/23/96	PCB-1232	NA	ND		.5	µg/L
EQ-HA1		10/23/96	PCB-1242	NA	ND		.5	µg/L
EQ-HA1		10/23/96	PCB-1248	NA	ND		.5	µg/L
EQ-HA1		10/23/96	PCB-1254	NA	ND		.5	µg/L
EQ-HA1		10/23/96	PCB-1260	NA	ND		.5	µg/L
EQ-HA1		10/23/96	Total PCBs (Summation)	NA	ND		.5	µg/L
OM1-EB		10/24/96	Total Antimony	NA	ND		0.50	mg/L
OM1-EB		10/24/96	Total Arsenic	NA	ND		0.10	mg/L
OM1-EB		10/24/96	Total Barium	NA	ND		0.050	mg/L
OM1-EB		10/24/96	Total Beryllium	NA	ND		0.010	mg/L
OM1-EB		10/24/96	Total Cadmium	NA	ND		0.0050	mg/L
OM1-EB		10/24/96	Total Chromium	NA	ND		0.0050	mg/L
OM1-EB		10/24/96	Total Cobalt	NA	ND		0.050	mg/L
OM1-EB		10/24/96	Total Copper	NA	ND		0.050	mg/L
OM1-EB		10/24/96	Total Lead	NA	ND		0.0050	mg/L
OM1-EB		10/24/96	Total Molybdenum	NA	ND		0.10	mg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
OM1-EB		10/24/96	Total Nickel	NA	ND		0.050	mg/L
OM1-EB		10/24/96	Total Selenium	NA	ND		0.010	mg/L
OM1-EB		10/24/96	Total Silver	NA	ND		0.050	mg/L
OM1-EB		10/24/96	Total Thallium	NA	ND		0.50	mg/L
OM1-EB		10/24/96	Total Vanadium	NA	ND		0.050	mg/L
OM1-EB		10/24/96	Total Zinc	NA	ND		0.050	mg/L
OM1-EB		10/24/96	Total Mercury	NA	ND		.0002	mg/L
OM1-EB		10/24/96	TPH (Aviation Gas)	NA	ND		1000	µg/L
OM1-EB		10/24/96	TPH (Crude/Waste Oil)	NA	ND		1000	µg/L
OM1-EB		10/24/96	TPH (Diesel-FFP)	NA	ND		200	µg/L
OM1-EB		10/24/96	TPH (Gasoline)	NA	ND		500	µg/L
OM1-EB		10/24/96	TPH (Heavy Naptha)	NA	ND		200	µg/L
OM1-EB		10/24/96	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500	µg/L
OM1-EB		10/24/96	TPH (Jet Fuel JP4)	NA	ND		200	µg/L
OM1-EB		10/24/96	TPH (Jet Fuel JP5)	NA	ND		200	µg/L
OM1-EB		10/24/96	TPH (Jet Fuel JP8)	NA	ND		200	µg/L
OM1-EB		10/24/96	TPH (Kerosene)	NA	ND		200	µg/L
OM1-EB		10/24/96	TPH (Light Naptha)	NA	ND		1000	µg/L
OM1-EB		10/24/96	TPH (Stoddard Solvent)	NA	ND		500	µg/L
OM1-EB		10/24/96	TPH (WD 40)	NA	ND		200	µg/L
RD-4-08EB		2/3/97	TPH (Aviation Gas)	NA	ND		1000.	µg/L
RD-4-08EB		2/3/97	TPH (Crude/Waste Oil)	NA	ND		500.	µg/L
RD-4-08EB		2/3/97	TPH (Diesel-FFP)	NA	ND		200.	µg/L
RD-4-08EB		2/3/97	TPH (Gasoline)	NA	ND		500.	µg/L
RD-4-08EB		2/3/97	TPH (Heavy Naptha)	NA	ND		200.	µg/L
RD-4-08EB		2/3/97	TPH (Hydraulic Oil / Motor-Oil)	NA	ND		500.	µg/L
RD-4-08EB		2/3/97	TPH (Jet Fuel JP4)	NA	ND		200.	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-08EB		2/3/97	TPH (Jet Fuel JP5)	NA	ND		200.	µg/L
RD-4-08EB		2/3/97	TPH (Jet Fuel JP8)	NA	ND		200.	µg/L
RD-4-08EB		2/3/97	TPH (Kerosene)	NA	ND		200.	µg/L
RD-4-08EB		2/3/97	TPH (Light Naptha)	NA	ND		1000.	µg/L
RD-4-08EB		2/3/97	TPH (Stoddard Solvent)	NA	ND		200.	µg/L
RD-4-08EB		2/3/97	TPH (WD 40)	NA	ND		200.	µg/L
RD-4-08EB		2/3/97	1,2,4-Trichlorobenzene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	1,2-Dichlorobenzene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	1,2-Diphenylhydrazine	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	1,3-Dichlorobenzene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	1,4-Dichlorobenzene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	2,4,5-Trichlorophenol	NA	ND		5.	µg/L
RD-4-08EB		2/3/97	2,4,6-Trichlorophenol	NA	ND		5.	µg/L
RD-4-08EB		2/3/97	2,4-Dichlorophenol	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	2,4-Dimethylphenol	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	2,4-Dinitrophenol	NA	ND		10.	µg/L
RD-4-08EB		2/3/97	2,4-Dinitrotoluene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	2,6-Dinitrotoluene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	2-Chloronaphthalene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	2-Chlorophenol	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	2-Methyl-4,6-dinitrophenol	NA	ND		10.	µg/L
RD-4-08EB		2/3/97	2-Methylnaphthalene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	2-Methylphenol	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	2-Naphthylamine	NA	ND		20.	µg/L
RD-4-08EB		2/3/97	2-Nitroaniline	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	2-Nitrophenol	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	3,3-Dichlorobenzidine	NA	ND		5.	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-08EB		2/3/97	3-Nitroaniline	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	4,4-DDD	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	4,4-DDE	NA	ND		3.	µg/L
RD-4-08EB		2/3/97	4,4-DDT	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	4-Bromophenyl-phenyl-ether	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	4-Chloro-3-methylphenol	NA	ND		5.	µg/L
RD-4-08EB		2/3/97	4-Chloroaniline	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	4-Chlorophenylphenyl-ether	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	4-Methylphenol	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	4-Nitroaniline	NA	ND		5.	µg/L
RD-4-08EB		2/3/97	4-Nitrophenol	NA	ND		5.	µg/L
RD-4-08EB		2/3/97	Acenaphthene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Acenaphthylene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Aldrin	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	alpha-BHC	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Aniline	NA	ND		5.	µg/L
RD-4-08EB		2/3/97	Anthracene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Benzidine	NA	ND		20.	µg/L
RD-4-08EB		2/3/97	Benzo-a-anthracene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Benzo-a-pyrene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Benzo-b-fluoranthene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Benzo-ghi-perylene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Benzo-k-fluoranthene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Benzoic-acid	NA	ND		10.	µg/L
RD-4-08EB		2/3/97	Benzyl-butyl-phthalate	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Benzylalcohol	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	beta-BHC	NA	ND		2.	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-08EB		2/3/97	bis(2-chloro-1-methylethyl) ether	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	bis-2-chloroethoxy-methane	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	bis-2-chloroethyl-ether	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	bis-2-ethylhexyl-phthalate	NA	ND		5.	µg/L
RD-4-08EB		2/3/97	Chrysene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	delta-BHC	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Di-n-butyl-phthalate	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Di-n-octylphthalate	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Dibenzo (a,h) anthracene	NA	ND		3.	µg/L
RD-4-08EB		2/3/97	Dibenzofuran	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Dieldrin	NA	ND		3.	µg/L
RD-4-08EB		2/3/97	Diethyl-phthalate	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Dimethyl-phthalate	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Endosulfan I	NA	ND		10.	µg/L
RD-4-08EB		2/3/97	Endosulfan II	NA	ND		10.	µg/L
RD-4-08EB		2/3/97	Endosulfan Sulfate	NA	ND		3.	µg/L
RD-4-08EB		2/3/97	Endrin	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Endrin Aldehyde	NA	ND		10.	µg/L
RD-4-08EB		2/3/97	Fluoranthene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Fluorene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	gamma-BHC	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Heptachlor	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Heptachlor epoxide	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Hexachlorobenzene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Hexachlorobutadiene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Hexachlorocyclopentadiene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Hexachloroethane	NA	ND		2.	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
RD-4-08EB		2/3/97	Indeno-1,2,3-cd-pyrene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Isophorone	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	N-nitrosodi-n-propylamine	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	N-Nitrosodimethylamine	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	N-Nitrosodiphenylamine	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Naphthalene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Nitrobenzene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Pentachlorophenol	NA	ND		10.	µg/L
RD-4-08EB		2/3/97	Phenanthrene	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Phenol	NA	ND		2.	µg/L
RD-4-08EB		2/3/97	Pyrene	NA	ND		2.	µg/L
TB020397		1/31/97	1,1,1,2-Tetrachloroethane	NA	ND		0.5	µg/L
TB020397		1/31/97	1,1,1-Trichloroethane	NA	ND		0.5	µg/L
TB020397		1/31/97	1,1,2,2-Tetrachloroethane	NA	ND		0.5	µg/L
TB020397		1/31/97	1,1,2-Trichloroethane	NA	ND		0.5	µg/L
TB020397		1/31/97	1,1-Dichloroethane	NA	ND		0.5	µg/L
TB020397		1/31/97	1,1-Dichloroethene	NA	ND		0.5	µg/L
TB020397		1/31/97	1,1-Dichloropropene	NA	ND		0.5	µg/L
TB020397		1/31/97	1,2,3-Trichlorobenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	1,2,3-Trichloropropane	NA	ND		0.5	µg/L
TB020397		1/31/97	1,2,4-Trichlorobenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	1,2,4-Trimethylbenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	1,2-Dibromo-3-chloropropane	NA	ND		0.5	µg/L
TB020397		1/31/97	1,2-Dibromoethane	NA	ND		0.5	µg/L
TB020397		1/31/97	1,2-Dichlorobenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	1,2-Dichloroethane	NA	ND		0.5	µg/L
TB020397		1/31/97	1,2-Dichloropropane	NA	ND		0.5	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
TB020397		1/31/97	1,3,5-Trimethylbenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	1,3-Dichlorobenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	1,3-Dichloropropane	NA	ND		0.5	µg/L
TB020397		1/31/97	1,4-Dichlorobenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	2,2-Dichloropropane	NA	ND		0.5	µg/L
TB020397		1/31/97	2-Chlorotoluene	NA	ND		0.5	µg/L
TB020397		1/31/97	4-Chlorotoluene	NA	ND		0.5	µg/L
TB020397		1/31/97	Benzene	NA	ND		0.5	µg/L
TB020397		1/31/97	Bromobenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	Bromochloromethane	NA	ND		0.5	µg/L
TB020397		1/31/97	Bromodichloromethane	NA	ND		0.5	µg/L
TB020397		1/31/97	Bromoform	NA	ND		0.5	µg/L
TB020397		1/31/97	Bromomethane	NA	ND		0.5	µg/L
TB020397		1/31/97	Carbon Tetrachloride	NA	ND		0.5	µg/L
TB020397		1/31/97	Chlorobenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	Chloroethane	NA	ND		0.5	µg/L
TB020397		1/31/97	Chloroform	NA	ND		0.5	µg/L
TB020397		1/31/97	Chloromethane	NA	ND		0.5	µg/L
TB020397		1/31/97	cis-1,2-Dichloroethene	NA	ND		0.5	µg/L
TB020397		1/31/97	cis-1,3-Dichloropropene	NA	ND		0.5	µg/L
TB020397		1/31/97	Dibromochloromethane	NA	ND		0.5	µg/L
TB020397		1/31/97	Dibromomethane	NA	ND		0.5	µg/L
TB020397		1/31/97	Dichlorodifluoromethane	NA	ND		0.5	µg/L
TB020397		1/31/97	Ethyl Benzene	NA	ND		0.5	µg/L
TB020397		1/31/97	Hexachlorobutadiene	NA	ND		0.5	µg/L
TB020397		1/31/97	Isopropylbenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	Methylene Chloride	NA	ND		1.	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
TB020397		1/31/97	n-Butylbenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	n-Propylbenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	Naphthalene	NA	ND		0.5	µg/L
TB020397		1/31/97	p-Isopropyltoluene	NA	ND		0.5	µg/L
TB020397		1/31/97	sec-Butylbenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	Styrene	NA	ND		0.5	µg/L
TB020397		1/31/97	tert-Butylbenzene	NA	ND		0.5	µg/L
TB020397		1/31/97	Tetrachloroethene	NA	ND		0.5	µg/L
TB020397		1/31/97	Toluene	NA	ND		0.5	µg/L
TB020397		1/31/97	Total Xylenes	NA	ND		1.	µg/L
TB020397		1/31/97	trans-1,2-Dichloroethene	NA	ND		0.5	µg/L
TB020397		1/31/97	trans-1,3-Dichloropropene	NA	ND		0.5	µg/L
TB020397		1/31/97	Trichloroethene	NA	ND		0.5	µg/L
TB020397		1/31/97	Trichlorofluoromethane	NA	ND		0.5	µg/L
TB020397		1/31/97	Vinyl Chloride	NA	ND		0.5	µg/L
TRIP-BLANK		10/28/96	1,1,1,2-Tetrachloroethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,1,1-Trichloroethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,1,2,2-Tetrachloroethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,1,2-Trichloroethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,1-Dichloroethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,1-Dichloroethene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,1-Dichloropropene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,2,3-Trichlorobenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,2,3-Trichloropropane	NA	ND		1.0	µg/L
TRIP-BLANK		10/28/96	1,2,4-Trichlorobenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,2,4-Trimethylbenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,2-Dibromo-3-chloropropane	NA	ND		5	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
TRIP-BLANK		10/28/96	1,2-Dibromoethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,2-Dichlorobenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,2-Dichloroethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,2-Dichloropropane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,3,5-Trimethylbenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,3-Dichlorobenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,3-Dichloropropane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	1,4-Dichlorobenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	2,2-Dichloropropane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	2-Chlorotoluene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	4-Chlorotoluene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Benzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Bromobenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Bromochloromethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Bromodichloromethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Bromoform	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Bromomethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Carbon Tetrachloride	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Chlorobenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Chloroethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Chloroform	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Chloromethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	cis-1,2-Dichloroethene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	cis-1,3-Dichloropropene	NA	ND		.5	µg/L
TRIP-BLANK		10/28/96	Dibromochloromethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Dibromomethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Dichlorodifluoromethane	NA	ND		0.50	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
TRIP-BLANK		10/28/96	Ethyl Benzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Hexachlorobutadiene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Isopropylbenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Methylene Chloride	NA	ND		1.0	µg/L
TRIP-BLANK		10/28/96	n-Butylbenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	n-Propylbenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Naphthalene	NA	ND		1.0	µg/L
TRIP-BLANK		10/28/96	o-Xylene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	p-& m-Xylenes	NA	ND		1.0	µg/L
TRIP-BLANK		10/28/96	p-Isopropyltoluene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	sec-Butylbenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Styrene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	tert-Butylbenzene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Tetrachloroethene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Toluene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	trans-1,2-Dichloroethene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	trans-1,3-Dichloropropene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Trichloroethene	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Trichlorofluoromethane	NA	ND		0.50	µg/L
TRIP-BLANK		10/28/96	Vinyl Chloride	NA	ND		0.50	µg/L
TRIP-BLANK(2)		10/24/96	1,1,1,2-Tetrachloroethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,1,1-Trichloroethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,1,2,2-Tetrachloroethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,1,2-Trichloroethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,1-Dichloroethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,1-Dichloroethene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,1-Dichloropropene	NA	ND		0.5	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
TRIP-BLANK(2)		10/24/96	1,2,3-Trichlorobenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,2,3-Trichloropropane	NA	ND		1	µg/L
TRIP-BLANK(2)		10/24/96	1,2,4-Trichlorobenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,2,4-Trimethylbenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,2-Dibromo-3-chloropropane	NA	ND		5	µg/L
TRIP-BLANK(2)		10/24/96	1,2-Dichlorobenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,2-Dichloroethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,2-Dichloropropane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,3,5-Trimethylbenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,3-Dichlorobenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,3-Dichloropropane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	1,4-Dichlorobenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	2,2-Dichloropropane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	2-Chloroethylvinyl-ether	NA	ND		1.	µg/L
TRIP-BLANK(2)		10/24/96	2-Chlorotoluene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	4-Chlorotoluene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Benzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Bromobenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Bromochloromethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Bromodichloromethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Bromoform	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Bromomethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Carbon tetrachloride	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Chlorobenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Chloroethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Chloroform	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Chloromethane	NA	ND		0.5	µg/L

Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
TRIP-BLANK(2)		10/24/96	cis-1,2-Dichloroethene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	cis-1,3-Dichloropropene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Dibromochloromethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Dibromomethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Dichlorodifluoromethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Ethyl benzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Hexachlorobutadiene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Isopropylbenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Methylene chloride	NA	ND		1	µg/L
TRIP-BLANK(2)		10/24/96	n-Butylbenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	n-Propylbenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Naphthalene	NA	ND		1	µg/L
TRIP-BLANK(2)		10/24/96	o-Xylene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	p-& m-Xylenes	NA	ND		1	µg/L
TRIP-BLANK(2)		10/24/96	p-Isopropyltoluene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	sec-Butylbenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Styrene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	tert-Butylbenzene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Tetrachloroethene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Toluene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Total Trihalomethanes	NA	ND			µg/L
TRIP-BLANK(2)		10/24/96	Total Xylenes	NA	ND		1.	µg/L
TRIP-BLANK(2)		10/24/96	trans-1,2-Dichloroethene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	trans-1,3-Dichloropropene	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Trichloroethene	NA	ND		0.5	µg/L

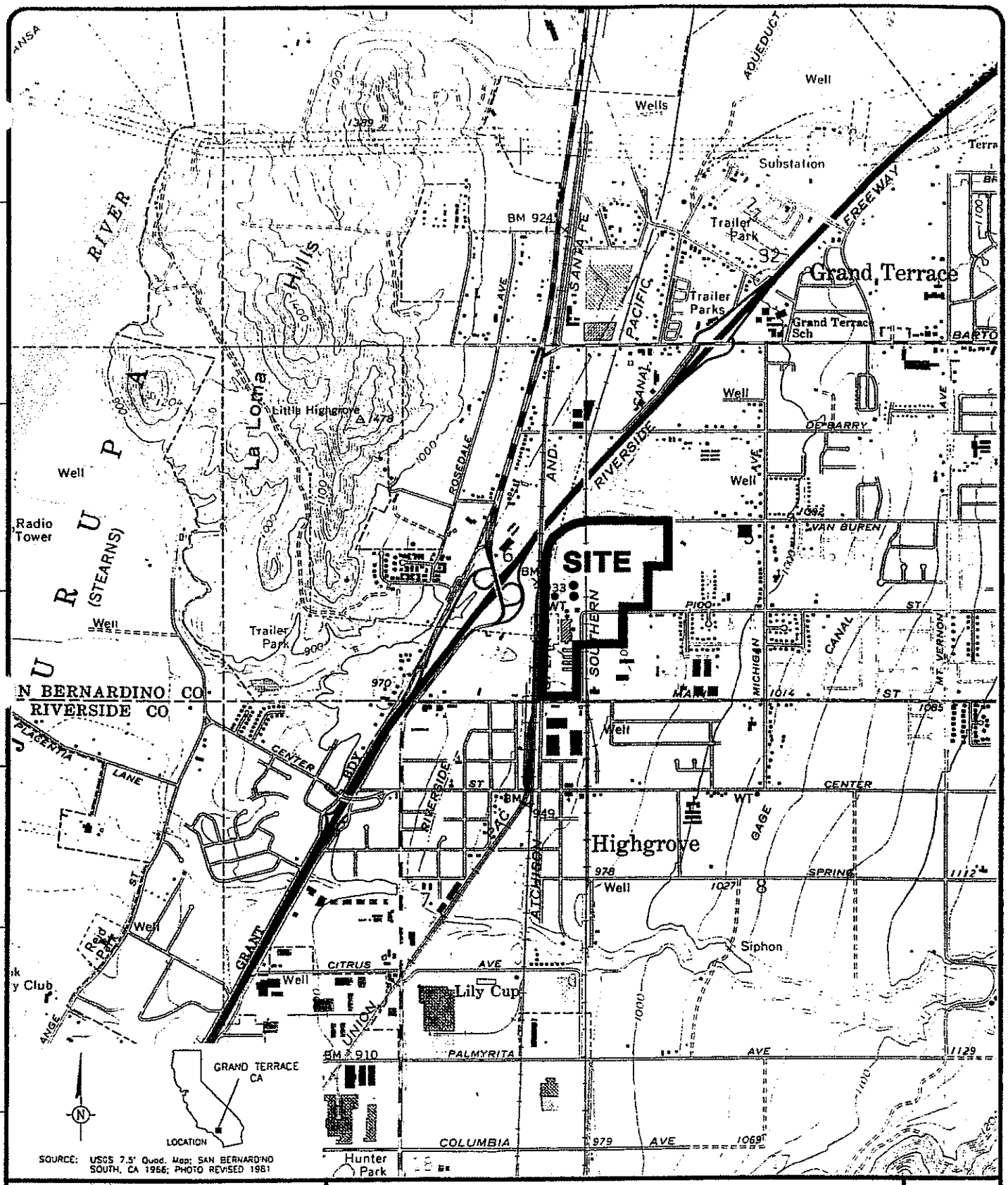
Table 4B

Analytical Results
Highgrove Generating Station

Sample ID	Sample Depth (feet)	Sample Date	Analyte	Soil Screening Level	Result	Flag	PQL	Units
TRIP-BLANK(2)		10/24/96	Trichlorofluoromethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Trichlorotrifluoroethane	NA	ND		0.5	µg/L
TRIP-BLANK(2)		10/24/96	Vinyl chloride	NA	ND		0.5	µg/L

*	Tentatively identified compound (TIC); limited laboratory quality control performed; therefore, results are semi-quantifiable.
**	PQLs were not available with TIC report.
µg/L	Micrograms per liter
ID	Identification
J	Data validation flag - reported result is approximate value.
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
NA	Not available
ND	Not detected at or above practical quantitation limit.
PCB	Polychlorinated biphenyl
PQL	Practical Quantitation Limit
TPH	Total petroleum hydrocarbons
UJ	Data validation flag - reported practical quantitation limit may not be actual quantitation level.

FIGURES



GERAGHTY & MILLER, INC.
Environmental Services

0 2000 FT

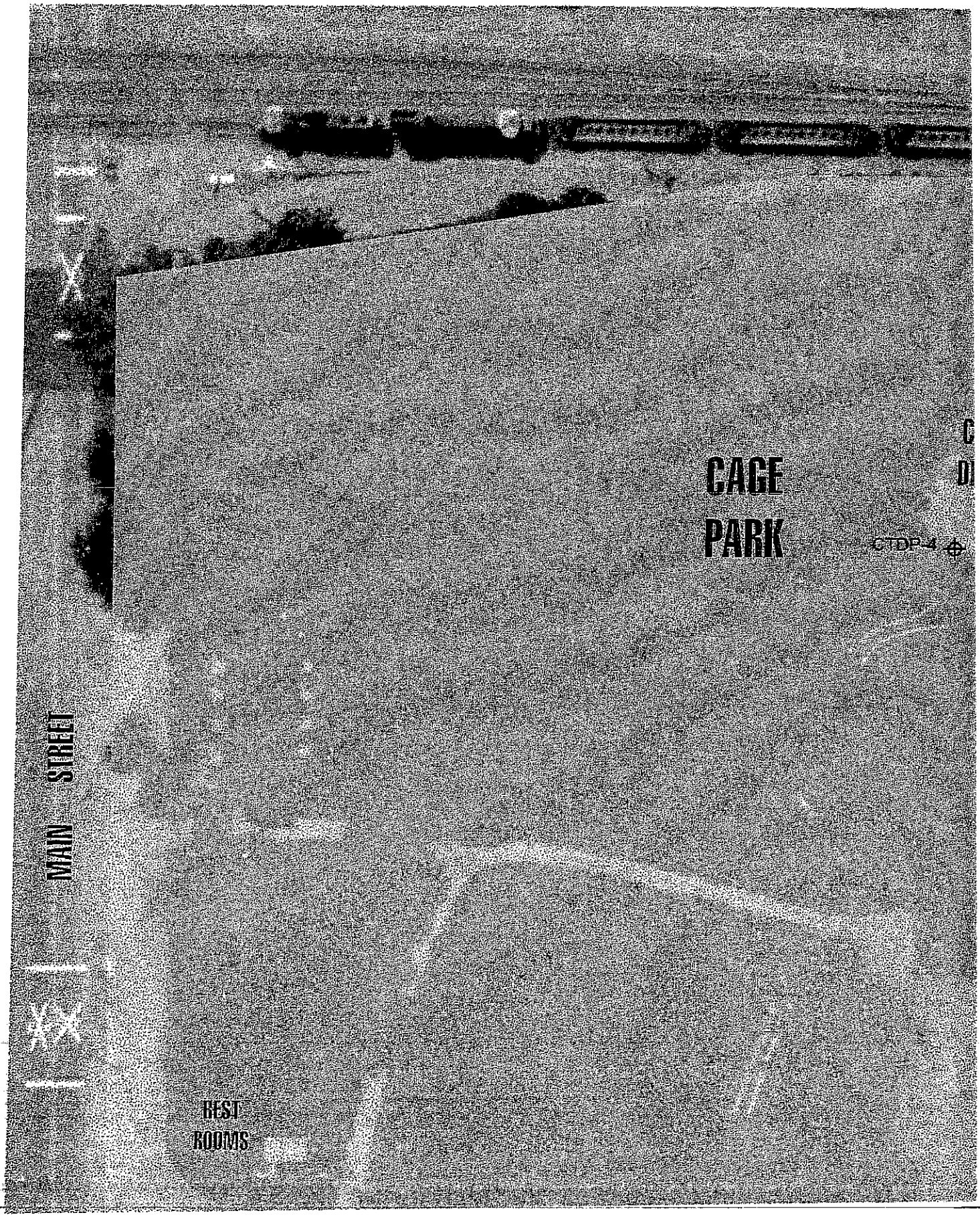
SITE LOCATION

HIGHGROVE GENERATING STATION
GRAND TERRACE, CA

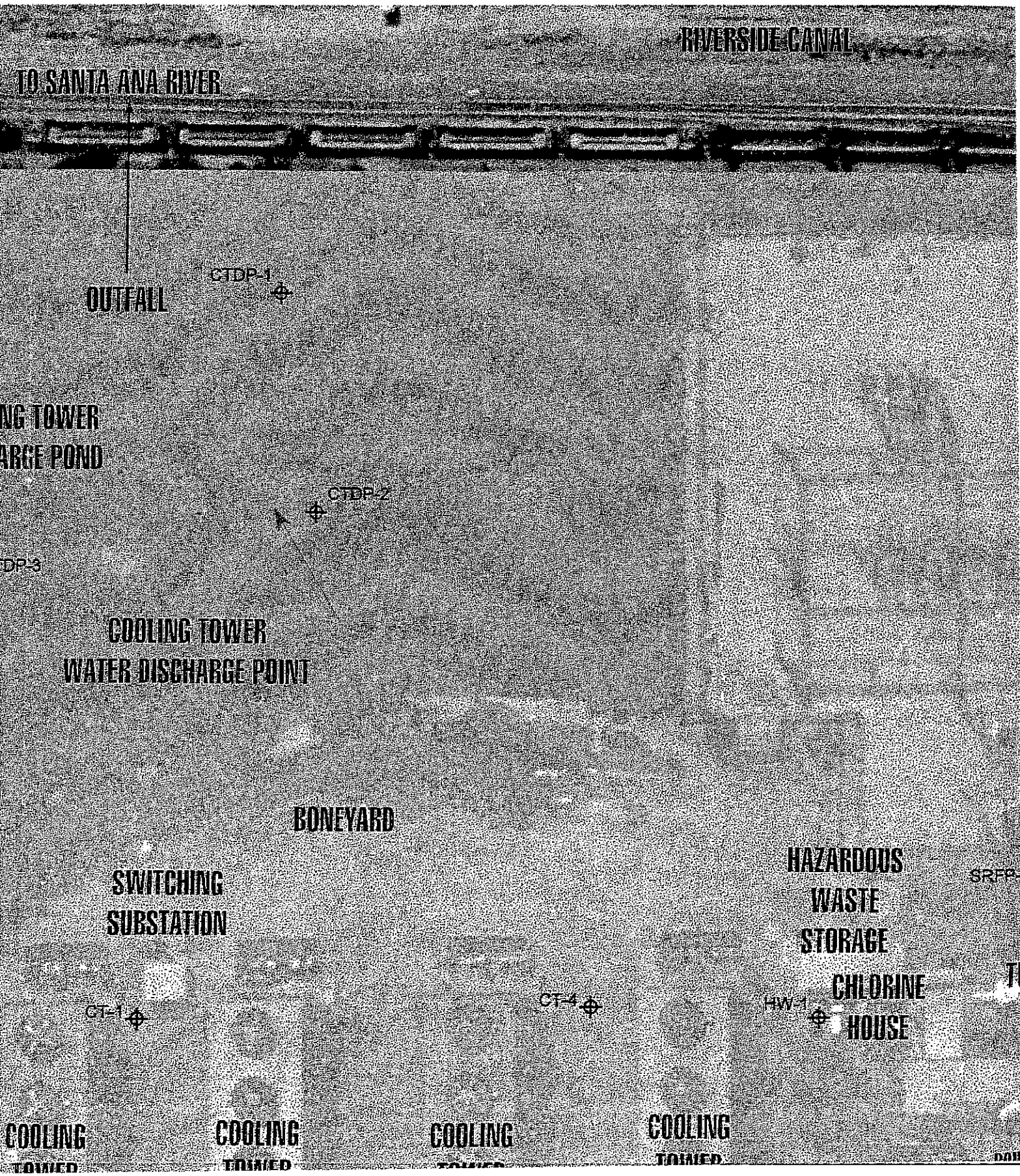
FIGURE
1

DATE: 14 OCT 98 | PROJECT NO.: CA0291.001 | FILE NO.: R11919C | DRAWN: CSL | CHECKED: | APPROVED: LH | DRAFTER:

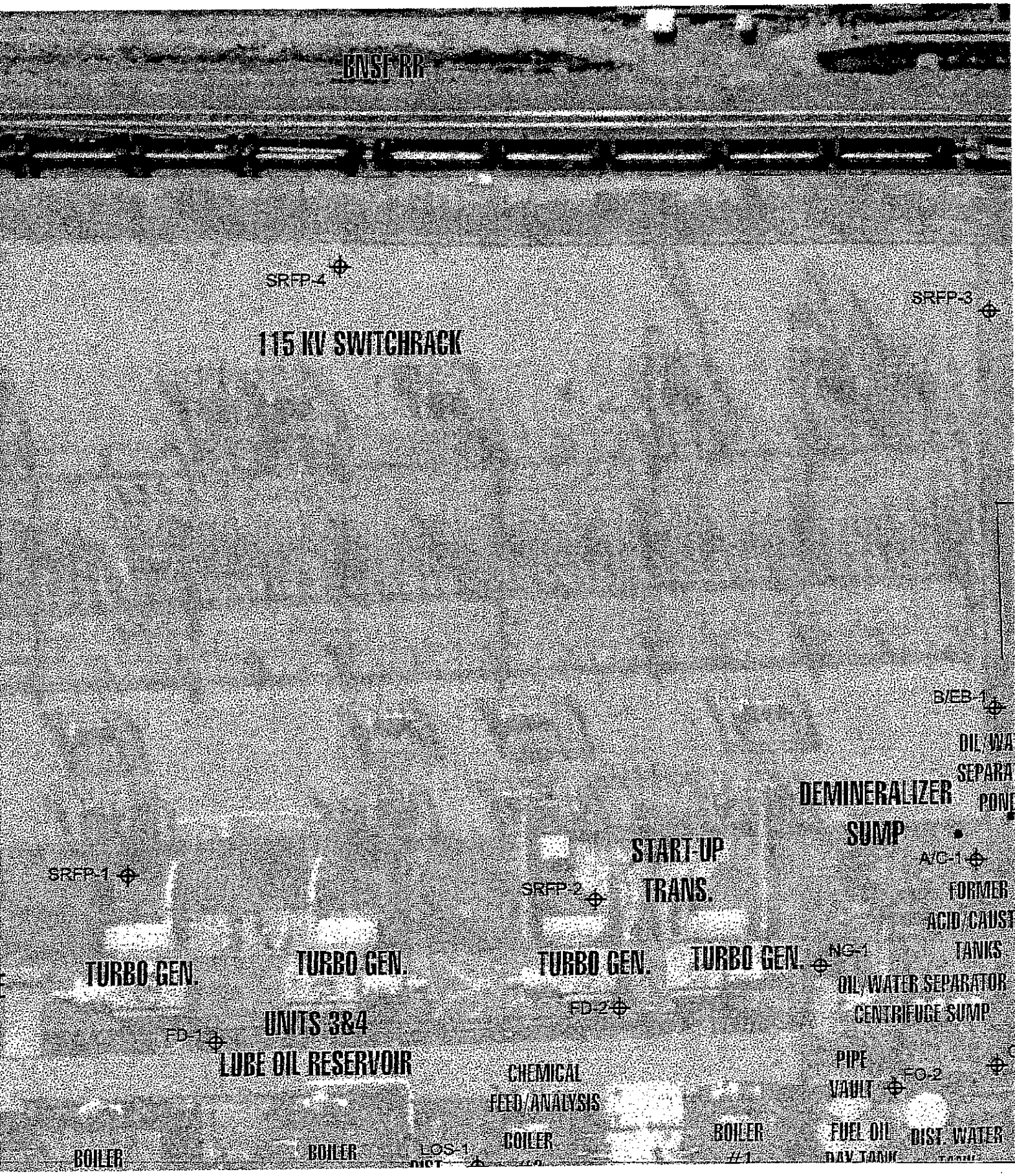
①



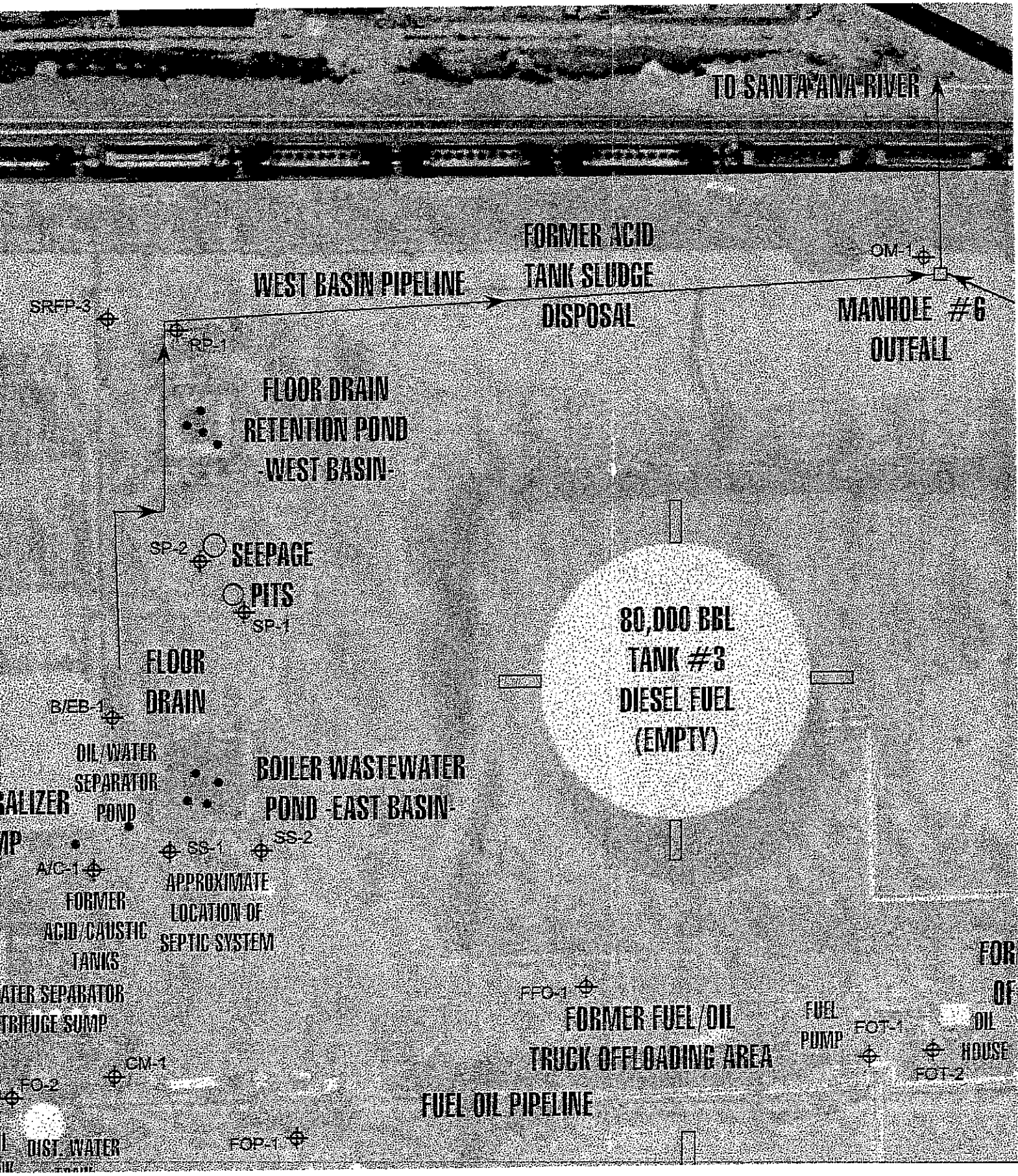
2


RIVERSIDE CANAL
TO SANTA ANA RIVER
OUTFALL
CTDP-1
NG TOWER
ARGE POND
CTDP-2
DP-3
COOLING TOWER
WATER DISCHARGE POINT
BONEYARD
SWITCHING
SUBSTATION
HAZARDOUS
WASTE
STORAGE
SRFP-
CHLORINE
HOUSE
CT-1
CT-4
HW-1
COOLING
COOLING
COOLING
COOLING

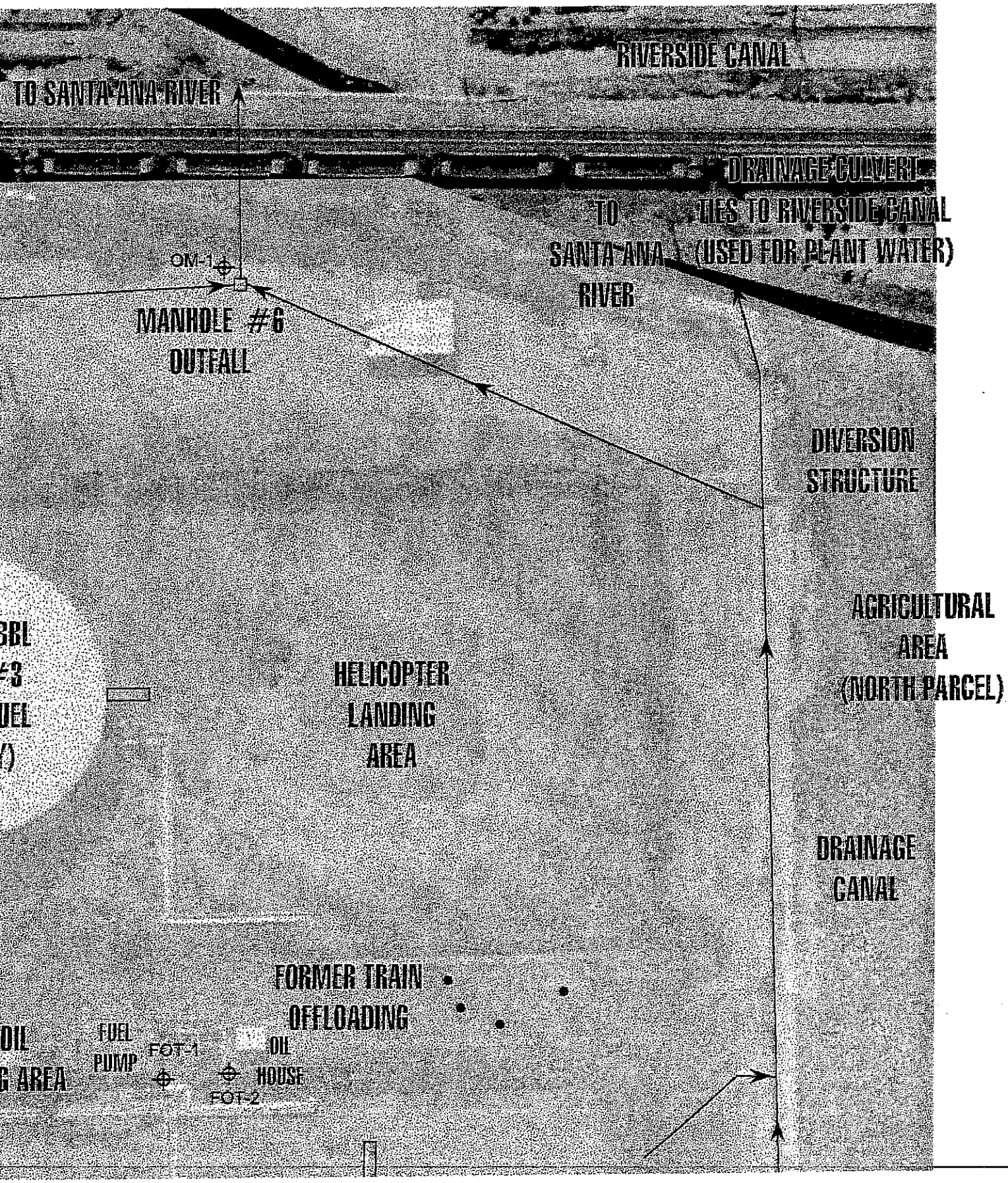
(3)

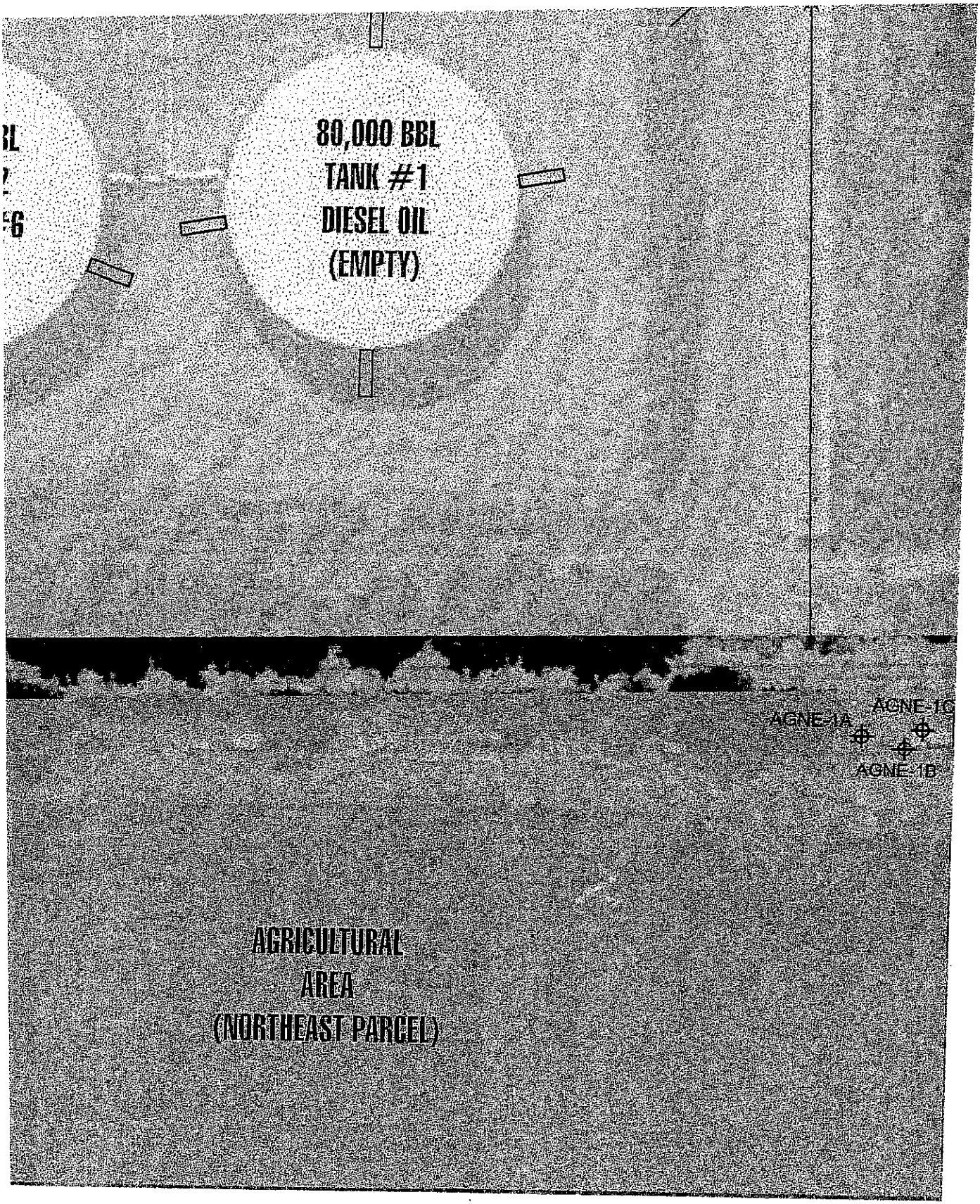

BNSF RR
SRFP-4
SRFP-3
115 KV SWITCHRACK
B/EB-1
DEMINERALIZER
SUMP
A/C-1
SRFP-1
SRFP-2
START-UP
TRANS.
TURBO GEN.
TURBO GEN.
TURBO GEN.
TURBO GEN.
NG-1
OIL/WATER SEPARATOR
CENTRIFUGE SUMP
FD-2
FD-1
UNITS 3&4
LUBE OIL RESERVOIR
CHEMICAL
FEED/ANALYSIS
PIPE
VAULT
FO-2
BOILER
BOILER
LOS-1
BOILER
FUEL OIL
DIST. WATER

(4)

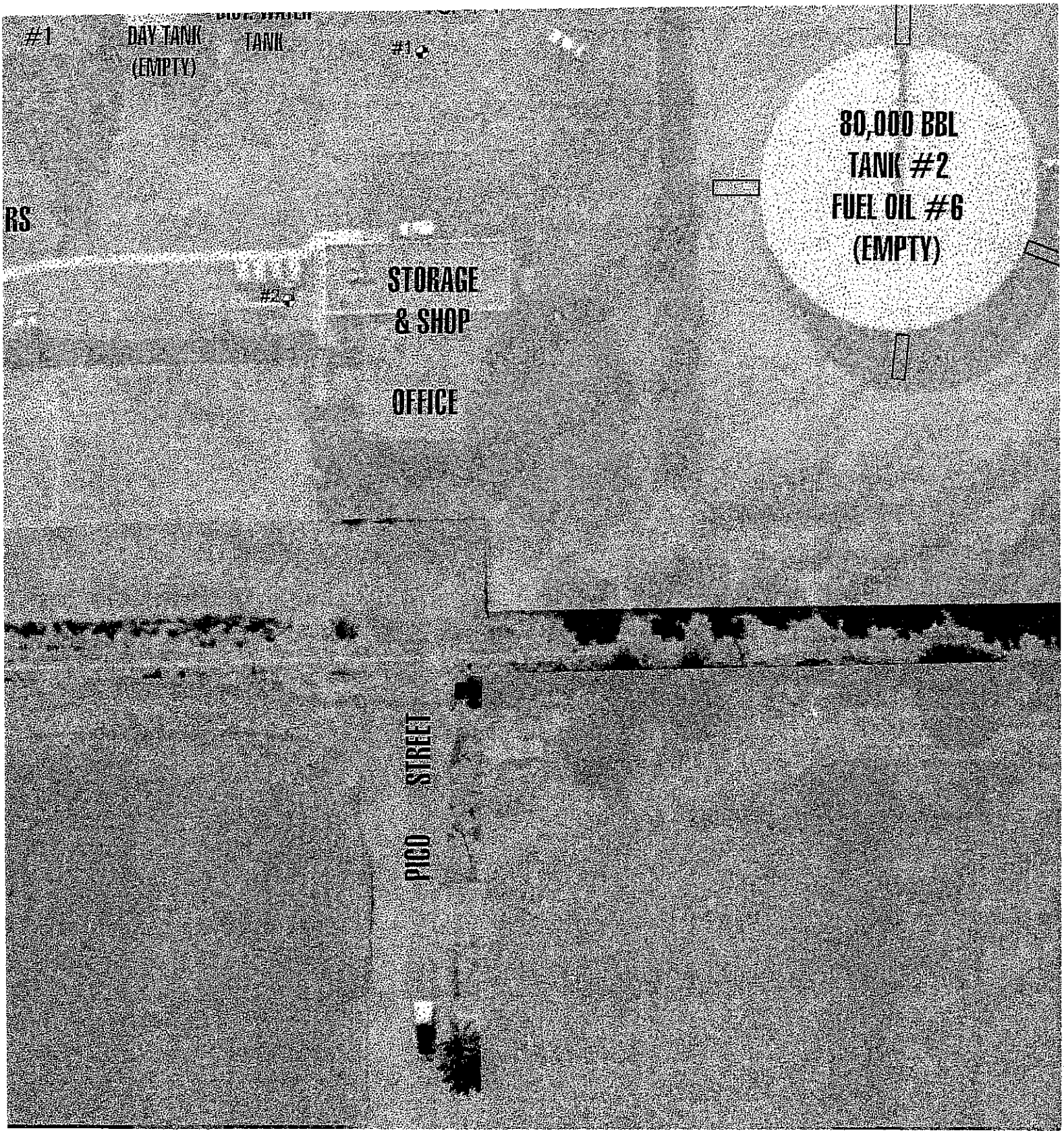

TO SANTA ANA RIVER
FORMER ACID
TANK SLUDGE
DISPOSAL
OM-1
WEST BASIN PIPELINE
MANHOLE #6
OUTFALL
SRFP-3
RP-1
FLOOR DRAIN
RETENTION POND
-WEST BASIN-
SP-2
SEEPAGE
PITS
SP-1
80,000 BBL
TANK #3
DIESEL FUEL
(EMPTY)
FLOOR
DRAIN
B/EB-1
OIL/WATER
SEPARATOR
POND
BOILER WASTEWATER
POND -EAST BASIN-
SS-1
SS-2
A/C-1
FORMER
ACID/CAUSTIC
TANKS
APPROXIMATE
LOCATION OF
SEPTIC SYSTEM
FFO-1
FORMER FUEL/OIL
TRUCK OFFLOADING AREA
FUEL
PUMP
FOT-1
FOT-2
HOUSE
CM-1
FO-2
FUEL OIL PIPELINE
DIST. WATER
FOP-1

5


RIVERSIDE CANAL
TO SANTA ANA RIVER
DRAINAGE CULVERT
TO
SANTA ANA
RIVER
TIES TO RIVERSIDE CANAL
(USED FOR PLANT WATER)
OM-1
MANHOLE #6
OUTFALL
DIVERSION
STRUCTURE
AGRICULTURAL
AREA
(NORTH PARCEL)
HELICOPTER
LANDING
AREA
DRAINAGE
CANAL
FORMER TRAIN
OFFLOADING
FUEL
PUMP
FOT-1
OIL
HOUSE
FOT-2



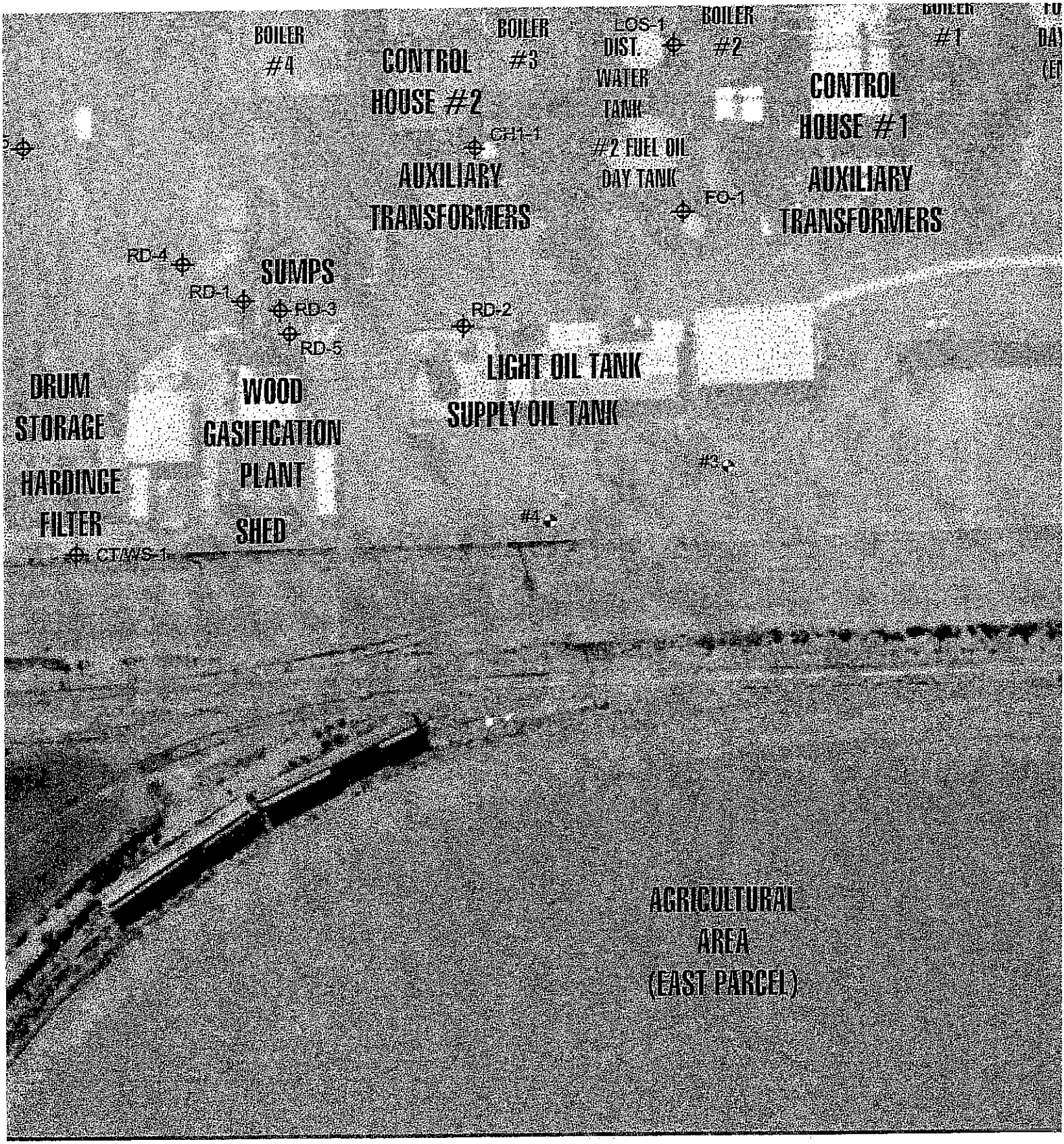
PROJECT NO.:	CA0291.001	**SITE LAYOUT AND SAMPLE LOCATIONS** HIGHGROVE GENERATING STATION GRAND TERRACE, CA	FIGURE **2**
FILE NO.:	R12468C		
DRAWING:	HIGH2.CDR		
DATE:	4 SEPT. 97		



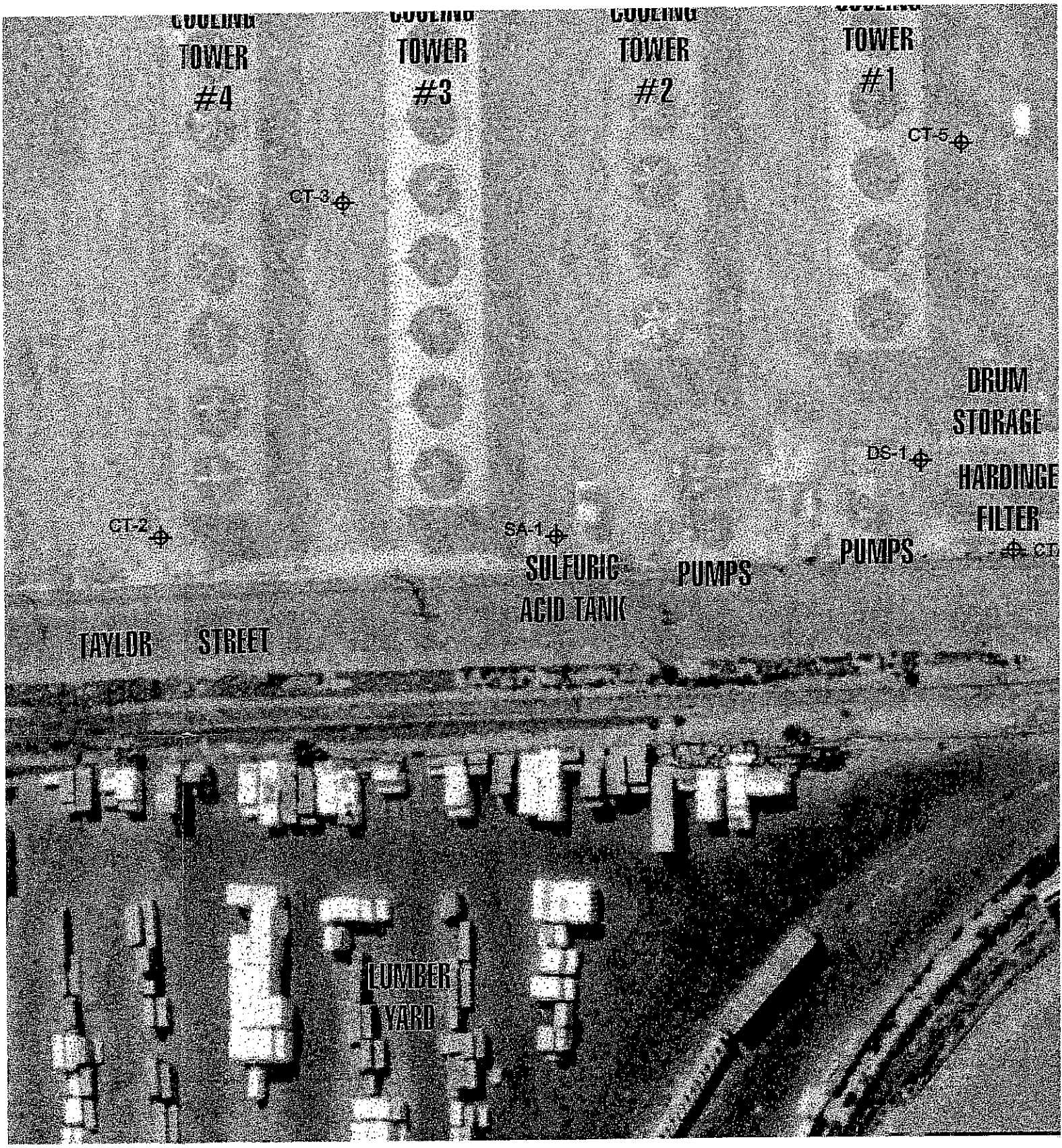
7

GERAGHTY & MILLER, INC.
Environment and Infrastructure
a heidemij company

PROJEC
FILE NC
DRAWIN
DATE:


BOILER #4
CONTROL HOUSE #2
BOILER #3
LOS-1
DIST. WATER TANK
BOILER #2
BOILER #1
CONTROL HOUSE #1
CH1-1
AUXILIARY TRANSFORMERS
#2 FUEL OIL DAY TANK
FO-1
AUXILIARY TRANSFORMERS
RD-4
SUMPS
RD-1
RD-3
RD-5
RD-2
LIGHT OIL TANK
SUPPLY OIL TANK
DRUM STORAGE
WOOD GASIFICATION PLANT
HARDINGE FILTER
SHED
CT/WS-1
#3
#4
AGRICULTURAL AREA (EAST PARCEL)

(8)



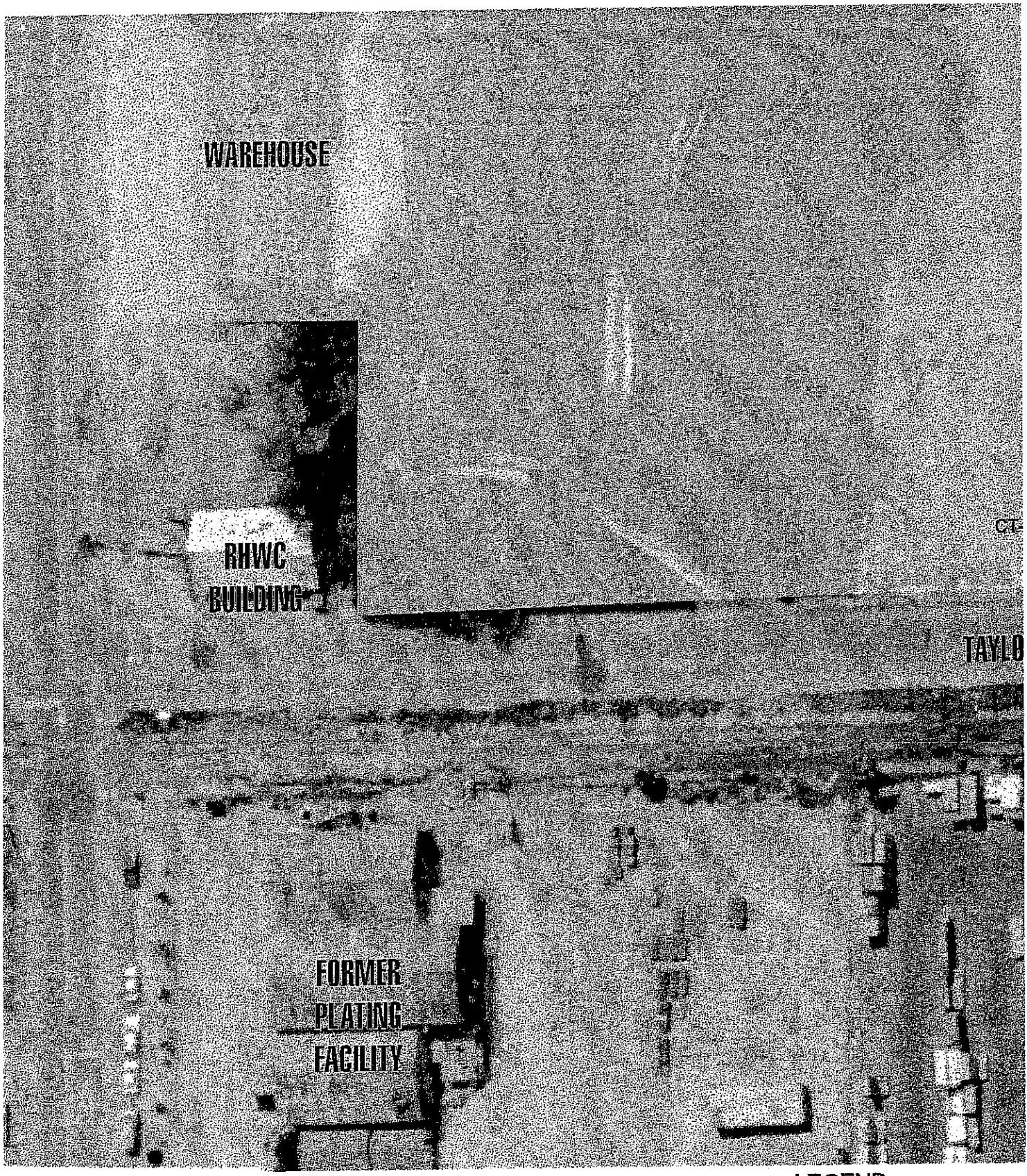
:E DRAINAGE PATH

ATION TRENCH

PROPERTY TO BE SOLD

PROPERTY TO BE RETAINED

N



10

LEGEND

RP-1 SOIL SAMPLING LOCATION

PREVIOUS SOIL BORING LOCATION

#1 GROUNDWATER SUPPLY WELL

CULVERT OR SURFACE DRAINAGE P

PREVIOUS INVESTIGATION TRENCH

POR. SECTION 5 & 6
T.2 S. R.4 W. SBM

LEGEND:

SCE ACQUISITION DOCUMENT NOS.: 244720, 244721, 244720, 254720 & 258103

1 - GRANT DEED FROM SCE TO THE CITY OF GRAND TERRACE FOR WEST ONE HALF OF LOT 43; SCE DOC. NO. 440654 EASEMENT RESERVED FOR NORTHERLY 60' FOR EXISTING T L R/W

2 - WATER PIPE LINE LICENSE TO CITY OF RIVERSIDE PER SCE DOC. #349628; APPROX. LOCATION

3 - RAIL ROAD TRACK EASEMENT TO SOUTHERN PACIFIC COMPANY PER SCE DOC. #287740

4 - EXCEPTION IN GRANT DEED-SCE DOC. NO. 258103 FOR 18' STRIP FOR RAILROAD RIGHT OF WAY

6 - O/H ELECTRIC POWER LINE CROSSING LICENSE FROM SOUTHERN PACIFIC RAILROAD COMPANY TO CEP, SEE SCE DOC. NO. 235765

7 - U/G TELEPHONE LINE CROSSING LICENSE FROM SOUTHERN PACIFIC RAILROAD COMPANY TO CEP, SEE SCE DOC. NO. 235881

8 - RAILROAD TRACK RIGHT OF WAY TO SOUTHERN PACIFIC RAILROAD COMPANY PER SCE DOC. NO. 244721 (POLICY ITEM#2) AND SCE DOC. NO. 244720 (POLICY ITEM #2)

9 - RIGHT OF WAY FOR IRRIGATING AND DOMESTIC WATER PIPES AND APPARATUS AS RESERVED BY THE EAST RIVERSIDE LAND COMPANY IN DEED TO FRANK E. ABBOTT; AFFECTS LOT 39 (SCE DOC. NO. 258103, POLICY ITEM #2A)

10 - RIGHT OF WAY FOR IRRIGATING AND DOMESTIC WATER PIPES AND APPARATUS AS RESERVED BY THE EAST RIVERSIDE LAND COMPANY IN DEED TO FLORENCE M. WRIGHT; AFFECTS LOT 40 (SCE DOC. NO. 258103, POLICY ITEM #2B)

11 - RIGHT OF WAY FOR IRRIGATING AND DOMESTIC WATER PIPES AND APPARATUS AS RESERVED BY THE EAST RIVERSIDE LAND COMPANY IN DEED TO ZILPHA S. HUBBARD; AFFECTS LOT 41 (SCE DOC. NO. 258103, POLICY ITEM #2C)

12 - RIGHT OF WAY FOR IRRIGATING AND DOMESTIC WATER PIPES AND APPARATUS AS RESERVED BY THE EAST RIVERSIDE LAND COMPANY IN DEED TO J. M. RICE; AFFECTS LOT 42 (SCE DOC. NO. 258103, POLICY ITEM #2D)

13 - RIGHT OF WAY FOR IRRIGATING AND DOMESTIC WATER PIPES AND APPARATUS AS RESERVED BY THE EAST RIVERSIDE LAND COMPANY IN DEED TO J. M. RICE; AFFECTS NORTH 60' OF THE WEST 1/2 LOT 43 (SCE DOC. NO. 258103, POLICY ITEM #2E)

14 - EASEMENT FOR DOMESTIC CONCRETE OR STEEL WATER PIPELINE AS GRANTED IN DEED FROM RIVERSIDE ORCHARDS, INC. AND MERCHANTS NATIONAL TRUST AND SAVINGS TO THE CITY OF RIVERSIDE, SEE SCE DOC. NO. 258103, POLICY ITEM NO. 3

16 - DRAINAGE EASEMENT GRANTED TO THE COUNTY OF SAN BERNARDINO BY SCE; AFFECTS A PORTION OF LOT 43 SCE DOC. NO. 258103-ATTACH.

17 - RESERVATIONS IN PATENT TO WILLIAM P. ROACH DATED JUNE 7, 1883 AND RECORDED IN BOOK "D" OF PATENTS, PAGE 526 ON MAY 22, 1886. AFFECTS S21/4 SEC. 6; (SCE DOC. NO. 244728, POLICY ITEM #2)

18 - RIGHT OF WAY OVER AND THROUGH PROPERTY AS RESERVED IN THE DEED FROM THE EAST RIVERSIDE LAND COMPANY AND IN THE DEED FROM OBED PATTY, FOR PURPOSES PERTAINING TO IRRIGATING AND DOMESTIC WATER DITCHES, PIPES, AND FLUMES AND THE RIGHT TO RENEW OR REPAIR SAME; AFFECTS LOT 56; SCE DOC. NO. 258730, POLICY ITEM #2

19 - UNRECORDED FIELD WAREHOUSING AGREEMENT BETWEEN LAWRENCE SYSTEMS AND SCE; SEE SCE DOC. NO. 356122 UNABLE TO PLOT SPECIFIC LOCATION

20 - 15' WIDE SANITARY SEWER EASEMENT FROM SCE TO THE COUNTY OF SAN BERNARDINO; SCE DOC. NO 334606

21 - LICENSE TO THE CITY OF GRAND TERACE FOR PARK USE; AFFECTS EAST HALF OF LOT 42; OP FILE NO. P829034-2-31

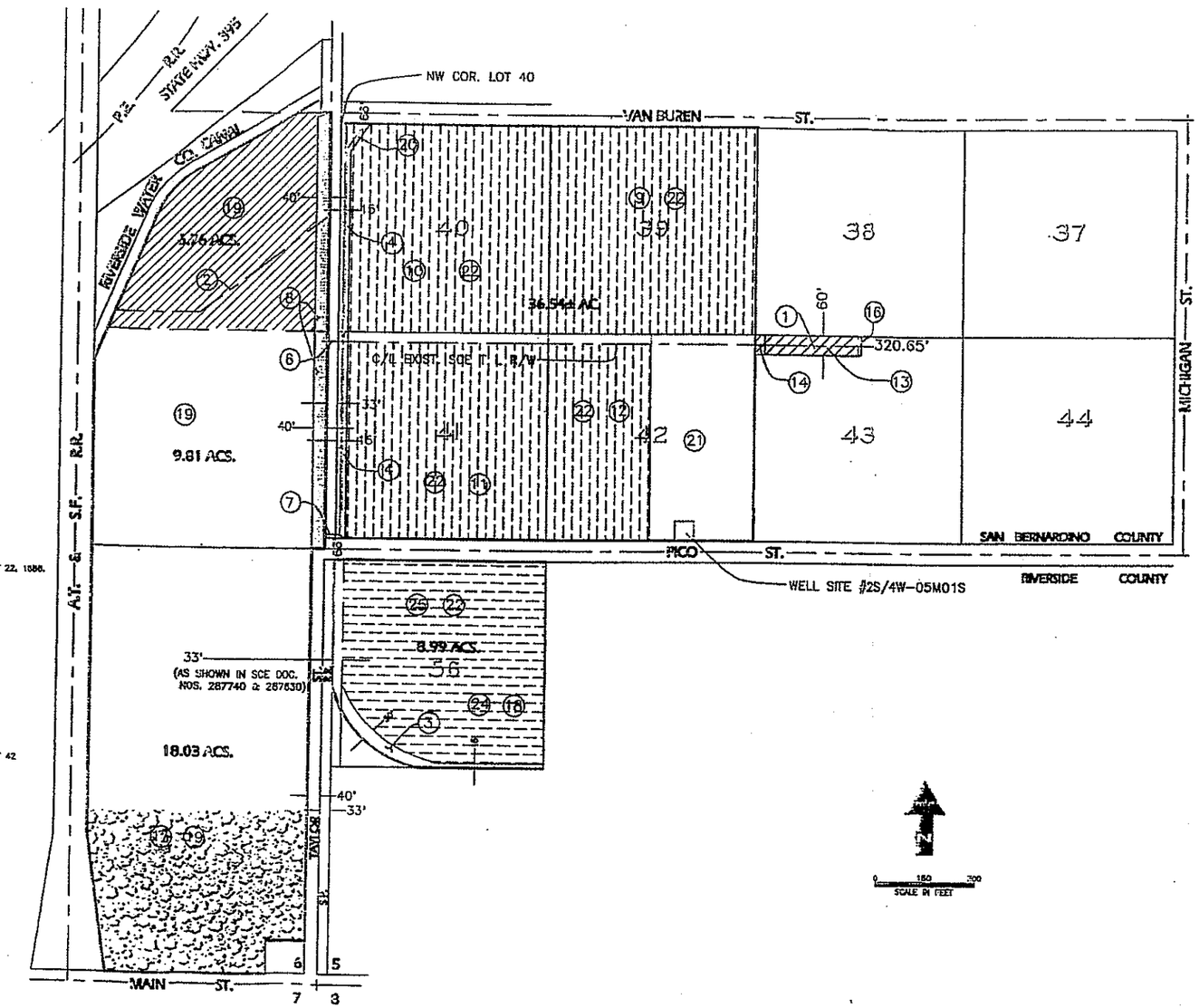
22 - PENDING LICENSE TO LUCKY FARMS, INC. FOR AGRICULTURE; AFFECTS ALL OF LOTS 39, 40, 41, 56 AND THE WEST ONE HALF OF LOT 42

24 - AGREEMENT WITH THE EAST RIVERSIDE WATER COMPANY PERTAINING TO THE TRANSFER OF CAPITAL STOCK; WATER COMPANY RELEASED OF OBLIGATION TO DELIVER AGRICULTURAL WATER TO LOT 56

25 - MINERAL RIGHTS QUITCLAIMED TO CEP; AFFECTS LOT 50; SCE DOC. NO. 258730 (CEP 35765)

PROPERTY DESCRIPTION LEGEND

- AGRICULTURAL AREA (NORTH PARCEL)
- AGRICULTURAL AREA (NORTHEAST PARCEL)
- AGRICULTURAL AREA (EAST PARCEL)
- CAGE PARK AREA



REF: SOUTHERN CALIFORNIA EDISON PARCEL MAP, SUPPLIED TO GERAGHTY & MILLER, INC. BY EDISON

GERAGHTY & MILLER, INC.
Environmental Services

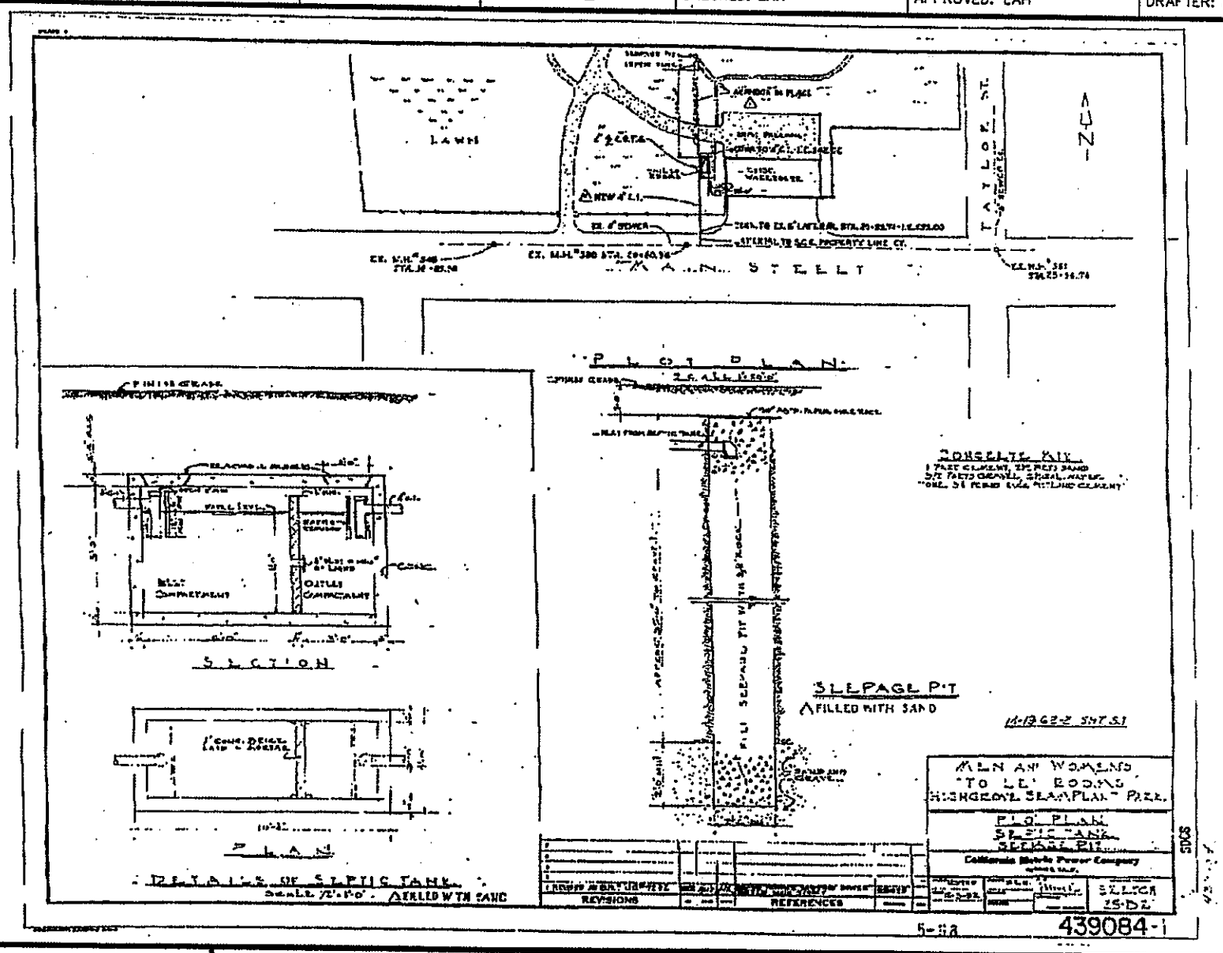
HIGHGROVE GENERATING STATION AND ADJOINING EDISON-OWNED PROPERTIES

HIGHGROVE GENERATING STATION
GRAND TERRACE, CA

FIGURE
3

DRAFTER | APPROVED: LAH | CHECKED: LAH | DRAWING: | FILE NO.: R11973M | PRJCT NO.: CA0291.001 | 15 NOV 96 | DW

DWG DATE: 15 NOV 96 | PRJCT NO.: CA0291.001 | FILE NO.: R11972M | DRAWING: PF-07 | CHECKED: LAH | APPROVED: LAH | DRAFTER: JOB



REF: CALIFORNIA ELECTRIC POWER COMPANY, DRAWING #439084 SUPPLIED TO GERAGHTY & MILLER, INC. BY EDISON

GERAGHTY & MILLER, INC.
Environmental Services

PLOT PLAN AND CONSTRUCTION DIAGRAM OF CAGE PARK SEPTIC SYSTEM

HIGHGROVE GENERATING STATION
GRAND TERRACE, CA

FIGURE 4

APPENDIX A

Previous Site Investigation Data

Cooling Tower Sludge Analytical Results

The right people, the right answers, right now.
1-800-433-6076
Gas Analysis Hotline
1-800-854-8257
Liquid Analysis Hotline

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

HGGS
SLUDE ANALYSIS
6-3-96

Bern.

Lab No.: L18394-001

Date Reported: 06/27/96

Collected By: HEW
Date: 06/03/96
Time: 1530
Submitted By: HEW
Date: 06/03/96
Time: 1620

Client I.D.: CIRC 1&2 (composite)
Site: HIGHGROVE GEN. STA.
Description:

Matrix: sludge

Constituent	Result		Method	RL	Date / Analyst
Antimony	ND	mg/kg	EPA 6010	2.	960605/C
Arsenic	45.	mg/kg	EPA 6010	2.	960605/C
Barium	110	mg/kg	EPA 6010	2.	960605/C
Beryllium	ND	mg/kg	EPA 6010	1.	960605/C
Cadmium	2.	mg/kg	EPA 6010	1.	960605/C
Total Chromium	100	mg/kg	EPA 6010	2.	960605/C
Cobalt	3.	mg/kg	EPA 6010	2.	960605/C
Lead	72.	mg/kg	EPA 6010	2.	960605/C
Mercury	1.3	mg/kg	EPA 7471	0.5	960619/C
Molybdenum	ND	mg/kg	EPA 6010	2.	960605/C
Nickel	12.	mg/kg	EPA 6010	2.	960605/C
Selenium	ND	mg/kg	EPA 6010	2.	960605/C
Silver	ND	mg/kg	EPA 6010	2.	960605/C
Thallium	ND	mg/kg	EPA 6010	10	960605/C
Vanadium	17.	mg/kg	EPA 6010	2.	960605/C
Zinc	330	mg/kg	EPA 6010	2.	960605/C

ND = None detected at RL (Reporting Limit). RL units same as result.

Ref: Lab No. L18098-001 Results reported on as received basis.

cc:

E. S. Babcock & Sons Inc

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1906

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

253-1
Client:
Southern California Edison-San Bern.
Harvey Wade
25700 San Bernardino Ave.

San Bernardino, CA 92408

Client I.D.: CIRC 3&4 (Composite)
Site: HIGHGROVE GEN. STA.
Description:

Matrix: sludge

Lab No.: L18394-002

Date Reported: 06/27/96

Collected By: HEW
Date: 06/03/96
Time: 1530
Submitted By: HEW
Date: 06/03/96
Time: 1620

Constituent	Result		Method	RL	Date / Analyst
Antimony	ND	mg/kg	EPA 6010	2.	960605/CW
Arsenic	16.	mg/kg	EPA 6010	2.	960605/CW
Barium	110	mg/kg	EPA 6010	2.	960605/CW
Beryllium	ND	mg/kg	EPA 6010	1.	960605/CW
Cadmium	4.	mg/kg	EPA 6010	1.	960605/CW
Total Chromium	96.	mg/kg	EPA 6010	2.	960605/CW
Cobalt	5.	mg/kg	EPA 6010	2.	960605/CW
Lead	78.	mg/kg	EPA 6010	2.	960605/CW
Mercury	1.2	mg/kg	EPA 7471	0.5	960619/CW
Molybdenum	ND	mg/kg	EPA 6010	2.	960605/CW
Nickel	21.	mg/kg	EPA 6010	2.	960605/CW
Selenium	2.	mg/kg	EPA 6010	2.	960605/CW
Silver	ND	mg/kg	EPA 6010	2.	960605/CW
Thallium	ND	mg/kg	EPA 6010	2.	960605/CW
Vanadium	15.	mg/kg	EPA 6010	2.	960605/CW
Zinc	320	mg/kg	EPA 6010	2.	960605/CW

ND = None detected at RL (Reporting Limit). RL units same as result.

Ref: Lab No. L18098-002 Results reported on as received basis.

cc:

E.S. Babcock & Sons Inc.

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1906

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

253-1
Client:
Southern California Edison-San Bern.
Harvey Wade
25700 San Bernardino Ave.

San Bernardino, CA 92408

Client I.D.: DEM BASIN
Site: HIGHGROVE GEN STA
Description:

Matrix: sludge

Lab No.: L20909-003

Date Reported: 09/20/96

Collected By: GRW
Date: 09/03/96
Time: 0000
Submitted By: G Wong
Date: 09/03/96
Time: 1615

Constituent	Result		Method	RL	Date / Analyst
Total Solids	98.8	%	SM 2540B	0.1	960910/BW
Non Filterable Solids	100.	%	EPA 1311	0.1	960910/BW
Antimony	ND	mg/kg	EPA 6010	5.	960905/CW
Arsenic	ND	mg/kg	EPA 6010	5.	960905/CW
Barium	460	mg/kg	EPA 6010	1.	960905/CW
Beryllium	ND	mg/kg	EPA 6010	1.	960905/CW
Cadmium	8.	mg/kg	EPA 6010	1.	960905/CW
Total Chromium	43.	mg/kg	EPA 6010	1.	960905/CW
Cobalt	11.	mg/kg	EPA 6010	1.	960905/CW
Copper	210	mg/kg	EPA 6010	1.	960905/CW
Lead	100	mg/kg	EPA 6010	5.	960905/CW
Mercury	ND	mg/kg	EPA 7471	0.5	960919/DA
Molybdenum	1.	mg/kg	EPA 6010	1.	960905/CW
Nickel	47.	mg/kg	EPA 6010	1.	960905/CW
Selenium	ND	mg/kg	EPA 6010	5.	960905/CW
Silver	ND	mg/kg	EPA 6010	1.	960905/CW
Thallium	ND	mg/kg	EPA 6010	30	960905/CW
Vanadium	28.	mg/kg	EPA 6010	1.	960905/CW
Zinc	790	mg/kg	EPA 6010	1.	960905/CW

ND = None detected at RL (Reporting Limit). RL units same as result.

Results reported on as received basis.

cc:

E. S. Babcock & Sons Inc.

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1906

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

253-1

Client:
Southern California Edison-San Bern.
Harvey Wade
25700 San Bernardino Ave.

San Bernardino,CA 92408

Client I.D.: CIRC 1&2
Site: HIGHGROVE GEN STA
Description:

Matrix: sludge

Lab No.: L18098-001

Date Reported: 06/07/96

Collected By: HEW
Date: 06/03/96
Time: 1530
Submitted By: HEW
Date: 06/03/96
Time: 1620

Constituent	Result		Method	RL	Date / Analyst
Total Solids	NA	%	SM 2540B	0.1	960605/BW
Non Filterable Solids	NA	%	EPA 1311	0.1	960605/BW
Copper	1400	mg/kg	EPA 6010	2.	960605/CW

ND = None detected at RL (Reporting Limit). RL units same as result.

Results reported on as received basis.

cc:

E. S. Babcock & Sons Inc.

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ESTABLISHED 1906

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Environmental Laboratory Certification #1156

253-1
Client:
Southern California Edison-San Bern.
Harvey Wade
25700 San Bernardino Ave.

San Bernardino, CA 92408

Client I.D.: CIRC 3&4
Site: HIGHGROVE GEN STA
Description:

Matrix: sludge

Lab No.: L18098-002

Date Reported: 06/07/96

Collected By: HEW
Date: 06/03/96
Time: 1530
Submitted By: HEW
Date: 06/03/96
Time: 1620

Constituent	Result		Method	RL	Date / Analyst
Total Solids	NA	%	SM 2540B	0.1	960605/BW
Non Filterable Solids	NA	%	EPA 1311	0.1	960605/BW
Copper	1900	mg/kg	EPA 6010	2.	960605/CW

ND = None detected at RL (Reporting Limit). RL units same as result.

Results reported on as received basis.

cc:

E.S. Babcock & Sons Inc.

Notice of Violation of Waste Discharge Requirements

STATE OF CALIFORNIA—CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
MAIN STREET, SUITE 500
RSIDE, CA 92501-3339
PHONE: (909) 782-4130
FAX: (909) 781-6288

PETE WILSON, Governor

February 28, 1997

Mr. Daniel B. Cobb, Manager
Southern California Edison Company
Highgrove Generating Station
12700 Taylor Street
Colton, CA 92324

NOTICE OF VIOLATION OF WASTE DISCHARGE REQUIREMENTS ORDER NO. 94-45, NPDES No. CA 0001555 FOR SOUTHERN CALIFORNIA EDISON, HIGHGROVE GENERATING STATION

Dear Mr. Cobb:

This is to notify you that Southern California Edison, Highgrove generating station is in violation of Order No. 94-45. Review of self monitoring reports received by this office indicates that the discharge from Southern California Edison, Highgrove generating station exceeded effluent discharge limits. Self monitoring reports have been consistently delinquent, as well.

Effluent violations are listed below:

Parameter	Permit Limit(mg/l)	Sample(mg/l)	Month Reported
Lead	0.030	0.050	August '96
Copper	0.050	0.130	August '96
Copper	0.050	0.075	September '96

Monitoring and Reporting Program No. 94-45 specifies that monthly monitoring shall be conducted, and the results submitted by the 30th day of the month following the monitoring period. A review of our file has found that you have not complied with this requirement.

The following shows a pattern of consistent late submittal:

Month Reported	Days Late
July '96	40
August '96	91
September '96	61
October '96	30
November '96	44

Mr. Daniel B. Cobb
Southern California Edison, Highgrove

The December report should have been received in this office on January 30, 1997, and is now delinquent. Failure to comply with the required monitoring program constitutes a violation of Order No. 94-45.

In accordance with your waste discharge requirements and California Water Code Section 13267, we request that you submit a report describing the cause(s) of the violations cited above, as well as a discussion of the steps that have been or will be taken to achieve full and consistent compliance with Order No. 94-45. Please be aware that pursuant to Section 13268 of the Water Code, failure to provide the requested report or to furnish monitoring reports as required by the Regional Board may result in imposition of civil administrative liability of up to $1000 per day of violation. Your report must include a schedule for all proposed actions. Please submit the requested report to our office by March 21, 1997.

Your cooperation in this matter is appreciated. If you have any questions, please contact Mark Adelson at (909) 782-3234 or Tom Mbeke-Ekanem at (909) 320-2007.

Sincerely,

Gerard J. Thibeault
Executive Officer

TME:edison.hgv/E

Storm Water Runoff Analytical Results

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1908

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1155

Lab No: L26234-004

253-1
Client:
Southern California Edison
Glenn Wong
25700 San Bernardino Ave.

San Bernardino, CA 92408

Date Reported: 02/13/97

Collected By: GRW
Date: 02/10/97
Time: 2025
Submitted By: GW
Date: 02/11/97
Time: 1205

Client I.D.: HG97-0210-4 GRAB
Site: HIGHGROVE GEN.STA.
Description: Parking Lot West- Taylor St. Stormwater Runoff
Matrix: wastewater

Constituent	Result		Method	RL	Date / Analyst
Copper	6.	ug/L	EPA 200.8	5.	970212/
Lead	9.	ug/L	EPA 200.8	2.	970212/
Zinc	29.	ug/L	EPA 200.8	10	970212/

Highgrove Gen Station
Lumber-Yard runoff tests
2/10/97

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons I
Lawrence Chapple

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1902

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

253-1
Client:
Southern California Edison
Glenn Wong
25700 San Bernardino Ave.

San Bernardino, CA 92408

Client I.D.: HG97-0210-3 GRAB
Site: HIGHGROVE GEN.STA.
Description: Center Flow - Taylor St. Stormwater Runoff
Matrix: wastewater

Lab No. L26234-003

Date Reported: 02/13/97

Collected By: GRW
Date: 02/10/97
Time: 2020
Submitted By: GW
Date: 02/11/97
Time: 1205

Constituent	Result		Method	RL	Date / Analyst
Copper	75.	ug/L	EPA 200.8	5.	970212/1
Lead	[illegible]	ug/L	EPA 200.8	[illegible]	970212/1
Zinc	340	ug/L	EPA 200.8	10	970212/1

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons I:

Lawrence Chapek

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1905

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

253-1

Client:
Southern California Edison
Glenn Wong
25700 San Bernardino Ave.

San Bernardino, CA 92408

Client I.D.: HG97-0210-2 GRAB
Site: HIGHGROVE GEN.STA.
Description: Minor Flow - Taylor St. Lumberyard Stormwater Runoff
Matrix: wastewater

Date Reported: 02/13/97

Collected By: GRW
Date: 02/10/97
Time: 2010
Submitted By: GW
Date: 02/11/97
Time: 1205

Constituent	Result		Method	RL	Date / Analyst
Copper	58.	ug/L	EPA 200.8	5.	970212/I
Lead	[illegible]	ug/L	EPA 200.8	[illegible]	[illegible]
Zinc	160	ug/L	EPA 200.8	10	970212/I

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons In

Lawrence J. Chyatte

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1906

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

253-1
Client:
Southern California Edison
Glenn Wong
25700 San Bernardino Ave.

San Bernardino, CA 92408

Page 1 of 1
Lab No. 9702232-001

Date Reported: 02/13/97

Collected By: GRW
Date: 02/10/97
Time: 2015
Submitted By: GW
Date: 02/11/97
Time: 1205

Client I.D.: HG97-0210-1 GRAB
Site: HIGHGROVE GEN.STA.
Description: Major Flow - Taylor St. Lumberyard Stormwater Runoff
Matrix: wastewater

Constituent	Result		Method	RL	Date / Analyst
Copper	100	ug/L	EPA 200.8	5.	970212/
Lead	[illegible]	ug/L	EPA 200.8	[illegible]	970212/
Zinc	530	ug/L	EPA 200.8	10	970212/

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons I

Lawrence J. Chyato

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1908

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

Page 1 of 1
Lab No. H126234-005

253-1
Client:
Southern California Edison
Glenn Wong
25700 San Bernardino Ave.

San Bernardino, CA 92408

Client I.D.: HG97-0210-5 GRAB
Site: HIGHGROVE GEN.STA.
Description: Pico & Taylor St. Stormwater Runoff
Matrix: wastewater

Date Reported: 02/13/97

Collected By: GRW
Date: 02/10/97
Time: 2035
Submitted By: GW
Date: 02/11/97
Time: 1205

Constituent	Result		Method	RL	Date / Analyst
Copper	8.	ug/L	EPA 200.8	5.	970212/1
Lead	[illegible]	ug/L	EPA 200.8	[illegible]	970212/1
Zinc	37.	ug/L	EPA 200.8	10	970212/1

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons I

Laurence Chyatte

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1906

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

Lab No.: L26234-007

253-1
Client:
Southern California Edison
Glenn Wong
25700 San Bernardino Ave.

San Bernardino, CA 92408

Client I.D.: HG97-0210-7 GRAB
Site: HIGHGROVE GEN.STA.
Description: Park - Combined Channel Stormwater Runoff
Matrix: wastewater

Date Reported: 02/13/97

Collected By: GRW
Date: 02/10/97
Time: 2111
Submitted By: GW
Date: 02/11/97
Time: 1205

Constituent	Result		Method	RL	Date / Analyst
Copper	25.	ug/L	EPA 200.8	5.	970212/
Lead	2.	ug/L	EPA 200.8	2	970212/
Zinc	98.	ug/L	EPA 200.8	10	970212/

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons

Lawrence Chapter

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1909

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

Lab No: 126234-006

253-1
Client:
Southern California Edison
Glenn Wong
25700 San Bernardino Ave.

San Bernardino, CA 92408

Client I.D.: HG97-0210-6 GRAB
Site: HIGHGROVE GEN.STA.
Description: Switchyard Drain - Round
Stormwater Runoff
Matrix: wastewater

Date Reported: 02/13/97

Collected By: GRW
Date: 02/10/97
Time: 2057
Submitted By: GW
Date: 02/11/97
Time: 1205

Constituent	Result		Method	RL	Date / Analyst
Copper	13.	ug/L	EPA 200.8	5.	970212/
Lead	[illegible]	ug/L	EPA 200.8	2	970212/
Zinc	31.	ug/L	EPA 200.8	10	970212/

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons I

Lawrence Chystek

Well Water Analytical Results

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1906

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

Highgrove well tests

253-1
Client:
Southern California Edison-San Bern.
Harvey Wade
25700 San Bernardino Ave.

San Bernardino, CA 92408

Client I.D.: WELL #1
Site: HIGHGROVE GEN STA
Description:

Matrix: water

Lab No.: L17771-002

Date Reported: 06/05/96

Collected By: HEW
Date: 05/21/96
Time: 1400
Submitted By: HEW
Date: 05/21/96
Time: 1530

Constituent	Result		Method	RL	Date / Analyst
Total Hardness	77.	mg/L	Calculation	3.	960530/SF
Calcium	16.	mg/L	EPA 200.7	1.	960530/SF
Magnesium	9.	mg/L	EPA 200.7	1.	960530/SF
Sodium	53.	mg/L	EPA 200.7	1.	960528/SF
Sulfate	6.1	mg/L	EPA 300.0	0.5	960521/YMA
Chloride	78.	mg/L	EPA 300.0	1.	960528/LT
Nitrate	ND	mg/L	EPA 300.0	1.	960521/YMA
Fluoride	0.5	mg/L	EPA 340.2	0.1	960522/KS
pH	8.9	units	EPA 150.1	1.	960521/YM
Specific Conductance	400	umho/cm	EPA 120.1	1.0	960521/YM
Total Dissolved Solids	240	mg/L	EPA 160.1	10	960524/SM
Boron	260	ug/L	EPA 200.7	100	960530/SF
Cadmium	ND	ug/L	EPA 200.9	1.	960603/CW
Total Chromium	ND	ug/L	EPA 200.7	5.	960602/DA
Copper	21.	ug/L	EPA 200.7	5.	960530/SF
Lead	ND	ug/L	EPA 200.9	2.	960604/LT
Zinc	ND	ug/L	EPA 200.7	10	960530/SF

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E.S. Babcock & Sons Inc.

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1906

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

253-1

Page: 1 of 1
Lab No.: L17771-001

Client:
Southern California Edison-San Bern.
Harvey Wade
25700 San Bernardino Ave.

San Bernardino, CA 92408

Date Reported: 06/05/96

Collected By: HEW
Date: 05/21/96
Time: 1400
Submitted By: HEW
Date: 05/21/96
Time: 1530

Client I.D.: WELL #1
Site: HIGHGROVE GEN STA
Description:

Matrix: water

Constituent	Result		Method	RL	Date / Analyst
Chemical Oxygen Demand	ND	mg/L	EPA 410.2 &.4	10	960528/SF
Sulfide	0.2	mg/L	EPA 376.1	0.1	960521/KW
Iron	610	ug/L	EPA 200.7	20	960530/DA
Manganese	56.	ug/L	EPA 200.7	10	960530/DA

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E. S. Babcock & Sons Inc.

E.S. BABCOCK & SONS, INC.
ESTABLISHED 1906

6100 Quail Valley Court Riverside, CA 92507
P.O. Box 432 Riverside, CA 92502
PH (909) 653-3351 FAX (909) 653-1662
Environmental Laboratory Certification #1156

253-1

Client:
Southern California Edison-San Bern.
Harvey Wade
25700 San Bernardino Ave.

San Bernardino,CA 92408

Client I.D.: WELL #3
Site: HIGHGROVE GEN STA
Description:

Matrix: water

Lab No.: L17771-004

Date Reported: 06/05/96

Collected By: HEW
Date: 05/21/96
Time: 1400
Submitted By: HEW
Date: 05/21/96
Time: 1530

Constituent	Result		Method	RL	Date / Analyst
Total Hardness	280	mg/L	Calculation	3.	960530/SF
Calcium	85.	mg/L	EPA 200.7	1.	960530/SF
Magnesium	16.	mg/L	EPA 200.7	1.	960530/SF
Sodium	50.	mg/L	EPA 200.7	1.	960528/SF
Sulfate	92.	mg/L	EPA 300.0	0.5	960521/YMA
Chloride	51.	mg/L	EPA 300.0	1.	960521/YMA
Nitrate	17.	mg/L	EPA 300.0	1.	960521/YMA
Fluoride	0.7	mg/L	EPA 340.2	0.1	960522/KS
pH	7.7	units	EPA 150.1	1.	960521/YM
Specific Conductance	760	umho/cm	EPA 120.1	1.0	960521/YM
Total Dissolved Solids	500	mg/L	EPA 160.1	10	960524/SM
Boron	310	ug/L	EPA 200.7	100	960530/SF
Cadmium	ND	ug/L	EPA 200.9	1.	960603/CW
Total Chromium	ND	ug/L	EPA 200.7	5.	960602/DA
Copper	ND	ug/L	EPA 200.7	5.	960530/SF
Lead	ND	ug/L	EPA 200.9	2.	960604/LT
Zinc	ND	ug/L	EPA 200.7	10	960530/SF

ND = None detected at RL (Reporting Limit). RL units same as result.

cc:

E.S. Babcock & Sons Inc.

omga 9/2/94 FTM KJT

PROJECT DATA SHEET

Project No. 86300

Chemist: R.M. Esqueda

Date Received: 11/20/86

Date Completed:

Date Reported:

Project Description: Etiwanda, San Bernardino, Highgrove Well Water Samples

Sample Number: L-DCS86-21a thru 21g

Instructions

Send to Montgomery Labs for Tittle 22 Drinking Water Analysis.

Sample Number	Sample Description	Project No.
L-DCS86-21a	Etiwanda G.S. East Well	86300
L-DCS86-21b	Etiwanda G.S. Center Well	"
L-DCS86-21c	San Bernadino G.S. Well #1	"
L-DCS86-21d	San Bernadino G.S. Well #2	"
L-DCS86-21e	Highgrove G.S. Well # 1	"
L-DCS86-21f	Highgrove G.S. Well #2	"
L-DCS86-21g	Highgrove G.S. Well #3	"

SDWA Volatiles plus Lists 1 and 3
Unregulated Compounds by EPA 524.2

ab Number: M56052
ample I.D.: L-SDC92-24D

ompound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
IST 1-UNREGULATED CONTAMINANTS:-		
LL SYSTEMS (continued):		
-Chlorotoluene	ND	0.50
-Chlorotoluene	ND	0.50
ibromomethane	ND	0.50
-Dichlorobenzene	ND	0.50
-Dichlorobenzene	ND	0.50
rans-1,2-Dichloroethylene	ND	0.50
is-1,2-Dichloroethylene	ND	0.50
ichloromethane	ND	0.50
,1-Dichloroethane	ND	0.50
.1-Dichloropropene	ND	0.50
.2-Dichloropropane	ND	0.50
-hloropropane	ND	0.50
,3-Dichloropropene	ND	0.50
.s-1,3-Dichloropropene	ND	0.50
2-Dichloropropane	ND	0.50
:hylbenzene	ND	0.50
:yrene	ND	0.50
1,2-Trichloroethane	ND	0.50
1,1,2-Tetrachloroethane	ND	0.50
1,2,2-Tetrachloroethane	ND	0.50
trachloroethylene	1.2	0.50
2,3-Trichloropropane	ND	0.50
luene	ND	0.50
p-Xylene	ND	0.50
Xylene	ND	0.50
ST 3-MONITORING REQUIRED- STATE DISCRETION:		
omochloromethane	ND	0.50
Butylbenzene	ND	0.50
chlorodifluoromethane	ND	0.50
lorotrichloromethane	ND	0.50
xachlorobutadiene	ND	0.50
opropylbenzene	ND	0.50
Isopropyltoluene	ND	0.50

t Detected
: ..t Analyzed
Regulated in California

SDWA Volatiles plus Lists 1 and 3
Unregulated Compounds by EPA 524.2

Lab Number: M28168
Sample I.D.: L-SDC92-9E

Compound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
LIST 1-UNREGULATED CONTAMINANTS:- ALL SYSTEMS (continued):		
o-Chlorotoluene	ND	0.50
p-Chlorotoluene	ND	0.50
Dibromomethane	ND	0.50
m-Dichlorobenzene	ND	0.50
o-Dichlorobenzene	ND	0.50
trans-1,2-Dichloroethylene	ND	0.50
cis-1,2-Dichloroethylene	ND	0.50
Dichloromethane	ND	0.50
1,1-Dichloroethane	ND	0.50
1,1-Dichloropropene	ND	0.50
1,2-Dichloropropane	ND	0.50
1,3-Dichloropropane	ND	0.50
trans-1,3-Dichloropropene	ND	0.50
cis-1,3-Dichloropropene	ND	0.50
2,2-Dichloropropane	ND	0.50
thylbenzene	ND	0.50
tyrene	ND	0.50
1,1,2-Trichloroethane	ND	0.50
1,1,1,2-Tetrachloroethane	ND	0.50
1,1,2,2-Tetrachloroethane	ND	0.50
Tetrachloroethylene	1.0	0.50
1,2,3-Trichloropropane	ND	0.50
Toluene	ND	0.50
m,p-Xylene	ND	0.50
o-Xylene	ND	0.50
LIST 3-MONITORING REQUIRED- AT STATE DISCRETION:		
Bromochloromethane	ND	0.50
n-Butylbenzene	ND	0.50
Dichlorodifluoromethane	ND	0.50
Fluorotrichloromethane	ND	0.50
Hexachlorobutadiene	ND	0.50
Isopropylbenzene	ND	0.50
p-Isopropyltoluene	ND	0.50

ND: Not Detected
NA: Not Analyzed
(1) Regulated in California

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

SDWA Volatiles plus Lists 1 and 3
Unregulated Compounds by EPA 524.2

Southern California Edison Co.
P. O. Box 928
Paramount, CA 90723
Attn: Ralph Esgueda

Job#: 437.0320
PO#: P4012924-92052
Workorder#: W40562
Report#: R92279
Phone #: 213-529-7373

Date Sampled: 2/26/92
Date Analyzed: 2/28/92
Date Received: 2/26/92

Lab Number: M28168
Sample I.D.: L-SDC92-9E

Compound	Concentration (micrograms/liter)	Detection Limit (micrograms/liter)
REGULATED VOC'S:		
Benzene	ND	0.50
inyl chloride	ND	0.50
arbon Tetrachloride	ND	0.50
1,2-Dichloroethane	ND	0.50
Trichloroethylene	0.5	0.50
1,4-Dichlorobenzene	ND	0.50
1,1-Dichloroethylene	ND	0.50
1,1,1-Trichloroethane	ND	0.50
LIST 1-UNREGULATED CONTAMINANTS:- ALL SYSTEMS:		
Bromobenzene	ND	0.50
Bromodichloromethane	ND	0.50
Bromoform	ND	0.50
Bromomethane	ND	0.50
Chlorobenzene	ND	0.50
Chlorodibromomethane	ND	0.50
Chloroethane	ND	0.50
Chloroform	ND	0.50
Chloromethane	ND	0.50

ND: Not Detected
NA: Not Analyzed
(1) Regulated in California

Approved by

APPROVED
MAR 0 4 1992

Acid Sludge Disposal Area Report

SPRINGER

SOUTHERN CALIFORNIA
EDISON
An EDISON INTERNATIONAL Company

December 16, 1996

Mr. Joe Ashbaker
Environmental Health Section
San Bernardino County Fire Department
Hazardous Materials Division
385 North Arrowhead Avenue, Second Floor
San Bernardino, California 92415-0160

Re: Notification Pursuant to Section 25507 of Health and Safety Code:
Edison Highgrove Generating Station, 12700 Taylor St., Colton, California

Dear Mr. Ashbaker:

This letter follows up on my phone conversation of August 26, 1996, in which I, on behalf of Southern California Edison Co. ("Edison") provided the County Fire Department with notice, in compliance with Section 25507 of the Health and Safety Code, that there may have been a release or threatened release of hazardous materials at the Highgrove Generating Station located at 12700 Taylor St., Colton, California.

The materials in question were residues remaining after the removal of acid and caustic tanks on-site. These residues may not have been properly handled and disposed of. Specifically, it appears that from August to October of 1995, certain rinse waters from the caustic tank were deposited into the station's cooling water system. Station records show no cooling tower water was discharged during the time period June 1995 through November of 1995. Therefore, there were no out of limits conditions from that system. Non-process wastewaters (from low volume wastes, floor drains, etc.) show one exceedance of total suspended solids in September 1995 (the limit is monthly average of 30 mg/L, discharge was 40 mg/L). No metals limits or pH limits were exceeded during this period.

In addition, it appears that certain acidic residues were mistakenly deposited on-site during the fall of 1995. Edison has located these materials and has excavated and removed them for proper disposal at a hazardous waste facility.

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

To ensure that all of these materials were removed, Edison has undertaken confirmation sampling of soil in the area. This confirmation sampling shows levels of pH comparable to background samples for the affected area. Confirmation sampling results and the hazardous waste manifests documenting disposal of the excavated materials are attached.

The excavated area has not yet been filled back in but Edison intends to do so by January, 3 1997 in order to avoid any drainage problems. Please inform me if you are interested in a visit to the site prior to that date.

In order to minimize the possibility of this type of event recurring, Edison has implemented additional procedures for handling potentially hazardous materials and is performing additional training of facility personnel concerning those procedures.

At this point, apart from the additional training, Edison intends to take no further action. If you have any questions, please call me at 818-302-9545. Thank you for assistance and cooperation in resolving this matter.

Signed:

Thomas A. Gross

cc: California Office of Emergency Services

Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD010010613 | Manifest Document No. 10280 0 0 0 0 1 | 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVE. ETIWANDA, CA. 91739
4. Generator's Phone 909) 899-7291

A. State Manifest Document Number 9554351

B. State Generator's ID HYHQ86-006959

5. Transporter 1 Company Name J. CAL. ~~MAYES ENVIRONMENTAL SERVICES~~
6. US EPA ID Number CAD980814383 ~~CAD009842354~~

C. State Transporter's ID

D. Transporter's Phone 310-595-4555 310-595-455

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT
35251 OLD SKYLINE ROAD
KETTLEMAN CITY, CA. 93239
10. US EPA ID Number CAT000646117

G. State Facility's ID

H. Facility's Phone 209-386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID (SOIL CONTAMINATED WITH NON-RCRA METAL)	001	CM	00015	Y TPS	State 611 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
WEAR PROPER PROTECTIVE CLOTHING PROFILE# BN0201 SITE: HIGHGROVE GENERATING STATION
EMERGENCY CONTACT: PAUL LACRIOUX 12700 TAYLOR
24 HOUR EMERGENCY PHONE# 909-899-7291 APPROVAL: 334612 COLTON, CA.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name PAUL LACROIX | Signature Paul Lacroix | Month 11 Day 12 Year 15 19 96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name [illegible] | Signature [illegible] | Month 11 Day 12 Year 15 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-

TSC 8022A (1/95)
A 8700—22

Yellow: GENERATOR RETAINS

Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Con
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. | Manifest Document No. | 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVE. ETIWANDA, CA. 91739
4. Generator's Phone 9091 899-7291

A. State Manifest Document Number 95543487
B. State Generator's ID HYH0136-00695 9 1

5. Transporter 1 Company Name
J. CAL
~~CLEANESS ENVIRONMENTAL SERVICES~~
6. US EPA ID Number
CAD980814883
~~CAD009632336~~

C. State Transporter's ID
D. Transporter's Phone ~~91. 310-595-4555~~ 310-920-7789

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT
35251 OLD SKYLINE ROAD
KETTLEMAN CITY, CA. 93239
10. US EPA ID Number
CAT000646117

G. State Facility's ID
H. Facility's Phone 209-386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID (SOIL CONTAMINATED WITH NON-RCRA METAL)	002 ~~001~~	CM	00016	Y ~~TS~~	State 611 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
WEAR PROPER PROTECTIVE CLOTHING PROFILE# BN0201 SITE: HIGHGROVE GENERATING STATION
EMERGENCY CONTACT: PAUL LACRIOUX 12700 TAYLOR
24 HOUR EMERGENCY PHONE# 909-899-7291 APPROVAL: 334612 COLTON, CA.

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Printed/Typed Name: Paul Lacroix | Signature: Paul Lacroix | Month 11 Day 20 Year 96

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: BOB GAGNON | Signature | Month 11 Day 20 Year 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

TRANSPORTER

FACILITY

NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-

DO

8022A (1/95)
3700-22

WHITE - GENERATOR RETAINS

Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances C
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD008304234 | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVE. ETIWANDA, CA. 91739
4. Generator's Phone (909) 899-7291

A. State Manifest Document Number 95543488
B. State Generator's ID HYH036-006959

5. Transporter 1 Company Name J. CAL ~~MANESS ENVIRONMENTAL SERVICES~~
6. US EPA ID Number CAD980814883 ~~CAD009034234~~
C. State Transporter's ID
D. Transporter's Phone ~~310-595-4355~~ 310-920-7785

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT
35251 OLD SKYLINE ROAD
KETTLEMAN CITY, CA. 93239
10. US EPA ID Number CAT000646117
G. State Facility's ID
H. Facility's Phone 209-386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID (SOIL CONTAMINATED WITH NON-RCRA METAL)	002 ~~001~~	CM	00023	Y ~~Ex~~	State 611 EPA/Other NONE
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above a. b. c. d.

WEAR PROPER PROTECTIVE CLOTHING PROFILE# BN0201 SITE: HIGHGROVE GENERATING STATION
EMERGENCY CONTACT: PAUL LACRIOUX 12700 TAYLOR
24 HOUR EMERGENCY PHONE# 909-899-7291 APPROVAL: 334612 COLTON, CA.

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Printed/Typed Name PAUL LACROIX | Signature Paul Lacroix | Month 1 Day 12 Year 1996

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name LOU GAYNON | Signature | Month 1 Day 12 Year 1996

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-

SC 8022A (1/95)
8700-22

Yellow: GENERATOR RETAINS

Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Co
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No: [illegible]
Manifest Document No.
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVE. ETIWANDA, CA. 91739
4. Generator's Phone 909 | 899-7291

A. State Manifest Document Number: 95543489
B. State Generator's ID: HYHOB6-0D6959

5. Transporter 1 Company Name: J. CAL
6. US EPA ID Number: CAD980814983
C. State Transporter's ID
D. Transporter's Phone: 213-310-595-4355 310-920-778

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT
35251 OLD SKYLINE ROAD
KETTLEMAN CITY, CA. 93239
10. US EPA ID Number: CAT000646117
G. State Facility's ID
H. Facility's Phone: 209-386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID (SOIL CONTAMINATED WITH NON-RCRA METAL)	001	CY	00008	Y	State 511 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
WEAR PROPER PROTECTIVE CLOTHING PROFILE# BN0201 SITE: HIGHGROVE GENERATING STATION
EMERGENCY CONTACT: PAUL LACRIOUX 12700 TAYLOR
24 HOUR EMERGENCY PHONE# 909-899-7291 APPROVAL: 334612 COLTON, CA.

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Printed/Typed Name: PAUL LACROIX
Signature: Paul Lacroix
Month 1 Day 1 Year 2016

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: ROD GANON
Signature: [illegible]
Month 1 Day 12 Year 1996

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name
Signature
Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

ON SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-

SC 8022A (1/95)
4700—22

GENERATOR RETAINS

Print or type. Form designed for use on slim (12-pitch) typewriter. 51218 See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD000603028 | Manifest Document No. 01 0 0 0 1 | 2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVE. ETIWANDA, CA. 91739

4. Generator's Phone 909- 899- 7291

A. State Manifest Document Number 95543480

B. State Generator's ID HHD36-008556

5. Transporter 1 Company Name: MANESS ENVIRONMENTAL SERVICES

6. US EPA ID Number: CAD009684234

C. State Transporter's ID 3193

D. Transporter's Phone 310-595-4555

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT
35251 OLD SKYLINE ROAD
KETTLEMAN CITY, CA. 93239

10. US EPA ID Number: CAT000646117

G. State Facility's ID

H. Facility's Phone 209-386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID (Soil Contaminated with NON RCRA Metals)	001	CM	00016	T	State 611 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
WEAR PROPER PROTECTIVE CLOTHING PROFILE# BN0201 SITE: HIGHGROVE GENERATING STATION
EMERGENCY CONTACT: Paul Lacroix 12700 TAYLOR
24 HOUR PHONE#(909) 899-7291 APPROVAL# 334612 COLTON, CA.

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Printed/Typed Name: Paul Lacroix | Signature: Paul Lacroix | Month 1 Day 1 Year 3 96

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: GREG MARISCAL | Signature: Greg Mariscal | Month 1 Day 1 Year 3 96

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

CALL 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-

C 8022A (1/95)
8700—22

White: GENERATOR RETAINS

Form Approved OMB No. 2050-0039 (Expires 9-30-96)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Co
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD009103028 — Manifest Document No.
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVE. ETIWANDA, CA. 91739
4. Generator's Phone 909) 899-7291

A. State Manifest Document Number 95543501
B. State Generator's ID HYH036-006959
C. State Transporter's ID
D. Transporter's Phone 310-595-4555
E. State Transporter's ID
F. Transporter's Phone 310 920 7709
G. State Facility's ID
H. Facility's Phone 209-386-9711

5. Transporter 1 Company Name — 6. US EPA ID Number
CH T CAL
~~MANESS ENVIRONMENTAL SERVICES~~ CAD1 3 3 8 1 4 3 3 7 ~~PCA 0 0 9 6 8 4 2 3 4~~
7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address — 10. US EPA ID Number
CHEMICAL WASTE MANAGEMENT
35251 OLD SKYLINE ROAD
KETTLEMAN CITY, CA. 93239 CAT000646117

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID (SOIL CONTAMINATED WITH NON-RCRA METAL)	001	CM	01010/15	Y T02	State 611 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
K. Handling Codes for Wastes Listed Above: a. b. c. d.

15. Special Handling Instructions and Additional Information
WEAR PROPER PROTECTIVE CLOTHING PROFILE# BN0201 SITE: HIGHGROVE GENERATING STATION
EMERGENCY CONTACT: PAUL LACRIOUX 12700 TAYLOR
24 HOUR EMERGENCY PHONE# 909-899-7291 APPROVAL: 334612 COLTON, CA.

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Printed/Typed Name ~~PAUL LACROIX~~ — Signature — Month 12 Day 14 Year 91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

DO NOT WRITE BELOW THIS LINE.

GENERATOR

IN ... OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-

SC 1022A (1/95)
8700-22

GENERATOR RETAIN

Please print or type. Form designed for use on elite (12-pitch) typewriter. 31210

Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 0 0 0 6 3 | Manifest Document No. 0 2 8 0 0 0 0 1 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
P.O. BOX 700 ROSEMEAD, CA. 91770-0700

4. Generator's Phone (818- 308- 6174

A. State Manifest Document Number 9554341

B. State Generator's ID HHQ36-006959

5. Transporter 1 Company Name: MANESS ENVIRONMENTAL SERVICES

6. US EPA ID Number: CAD 0 0 9 6 8 4 2 3 4

C. State Transporter's ID 2409-2404

D. Transporter's Phone 310-595-4555

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
CHEMICAL WASTE MANAGEMENT
35251 OLD SKYLINE ROAD
KETTLEMAN CITY, CA. 93239

10. US EPA ID Number: CAT 0 0 0 6 4 6 1 1 7

G. State Facility's ID CAT000646117

H. Facility's Phone 209 - 386-9711

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON RCRA HAZARDOUS WASTE SOLID	0 0 2	C M	0 0 0 1 8	T	State / EPA/Other
b.			20.41 Tons received		State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above: a. 03 b. c. d.

15. Special Handling Instructions and Additional Information
PROFILE# BN0201
WEAR PROPER PROTECTIVE CLOTHING
EMERGENCY CONTACT:
24 HOUR PHONE #
HIGHGROVE GENERATING STATION
SITE: 12700 TAYLOR
COLTON, CA.
APPROVAL# 320833

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Printed/Typed Name	Signature	Month	Day	Year
Tim W. VANCA	T. W. Vanca	0 9	0 5	9 1

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Greg MARISCAL	Greg Mariscal	0 9	0 5	9 1

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space
(SCE) 19 Rec'd 20.41 Tons 7/5/91 Received with Rob Johnson 7/8/91

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
W. Gaffey		0 8	0 5	9 6

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-7550

GENERATOR — TRANSPORTER — FACILITY

DTSC 8022A (1/95)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS
To: P.O. Box 3000 Sacramento, CA 95812

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino, CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
Southern California Edison
Attention: Paul Lacroix
8996 Etiwanda Ave.
Etiwanda, CA 91739
Tel: (909)899-7291 Fax: (909)899-7222

Service ID #: 801-964190
Collected by:
Collected on: 10/22/96

Received: 10/22/96
Extracted: XXXXXX
Tested: 10/23/96
Reported: 10/23/96

Sample Description: Soil
Project Description: PO/WO#: A2014911

Analysis of Soil Samples

Sample ID	Lab ID	Method	Unit	PQL	pH
HG96-102201	96-04190-1	9040	pH unit	0.01	7.88
HG96-102202	96-04190-2	9040	pH unit	0.01	7.50
HG96-102203	96-04190-3	9040	pH unit	0.01	8.04
HG96-102204	96-04190-4	9040	pH unit	0.01	7.94
HG96-102205	96-04190-5	9040	pH unit	0.01	7.78
HG96-102206	96-04190-6	9040	pH unit	0.01	7.60
HG96-102207	96-04190-7	9040	pH unit	0.01	7.57
HG96-102208	96-04190-8	9040	pH unit	0.01	7.95
HG96-102209	96-04190-9	9040	pH unit	0.01	7.50
HG96-102210	96-04190-10	9040	pH unit	0.01	7.98
HG96-102211	96-04190-11	9040	pH unit	0.01	7.97
HG96-102212	96-04190-12	9040	pH unit	0.01	7.99
HG96-102213	96-04190-13	9040	pH unit	0.01	7.75
HG96-102214	96-04190-14	9040	pH unit	0.01	7.67
HG96-102215	96-04190-15	9040	pH unit	0.01	7.63
HG96-102216	96-04190-16	9040	pH unit	0.01	7.54
HG96-102217	96-04190-17	9040	pH unit	0.01	7.60
HG96-102218	96-04190-18	9040	pH unit	0.01	8.11
HG96-102219	96-04190-19	9040	pH unit	0.01	8.01
HG96-102220	96-04190-20	9040	pH unit	0.01	8.00
HG96-102221	96-04190-21	9040	pH unit	0.01	7.83
HG96-102222	96-04190-22	9040	pH unit	0.01	7.49
HG96-102223	96-04190-23	9040	pH unit	0.01	7.87
HG96-102224	96-04190-24	9040	pH unit	0.01	7.23
HG96-102225	96-04190-25	9040	pH unit	0.01	7.74
HG96-102226	96-04190-26	9040	pH unit	0.01	7.46
HG96-102227	96-04190-27	9040	pH unit	0.01	7.47
HG96-102228	96-04190-28	9040	pH unit	0.01	7.67
HG96-102229	96-04190-29	9040	pH unit	0.01	7.65
HG96-102230	96-04190-30	9040	pH unit	0.01	7.40
HG96-102231	96-04190-31	9040	pH unit	0.01	7.44
HG96-102232	96-04190-32	9040	pH unit	0.01	7.04
HG96-102233	96-04190-33	9040	pH unit	0.01	7.26

CADHS ELAP No.: 1431

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino, CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Sample ID	Lab ID	Method	Unit	PQL	pH
HG96-102234	96-04190-34	9040	pH unit	0.01	7.16
HG96-102235	96-04190-35	9040	pH unit	0.01	7.76
HG96-102236	96-04190-36	9040	pH unit	0.01	7.94
HG96-102237	96-04190-37	9040	pH unit	0.01	7.86
HG96-102238	96-04190-38	9040	pH unit	0.01	7.62
HG96-102239	96-04190-39	9040	pH unit	0.01	7.40
HG96-102240	96-04190-40	9040	pH unit	0.01	7.18
HG96-102241	96-04190-41	9040	pH unit	0.01	7.26
HG96-102242	96-04190-42	9040	pH unit	0.01	7.39

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

CADHS ELAP No.: 1431

CHAIN OF CUSTODY

4190

Applied P & Ch Lab
13760 Magnolia Ave.
Chino, Calif. 91710
(909) 590-1828
Fax (909) 590-1498

From: Southern California Edison
Highgrove
12700 Taylor St.
Colton, Calif. 92324
(909) 899-7253

P.O. / Work Order Order No. A2014911

Test to be preformed

As soon as possible.

Please perform the following: pH,

Item No.	Number of samples per container	E.T.G.S. sample numbers		Item No.	Number of samples per container	E.T.G.S. sample numbers	
1	1	HG96-102201	1125	7	1	HG96-102207	1131
	1	HG96-102202	1126	8	1	HG96-102208	1132
3	1	HG96-102203	1127	9	1	HG96-102209	1133
4	1	HG96-102204	1128	10	1	HG96-102210	1134
5	1	HG96-102205	1129	11	1	HG96-102211	1135
6	1	HG96-102206	1130	12	1	HG96-102212	1136

10-22-96
RECEIVED BY DATE

10-22-96
RELINQUISHED BY DATE

DOMINIC LAU
PRINTED / TYPED NAME

Paul Lacroix
PRINTED / TYPED NAME

TIME SAMPLES RECIVED

1831
TIME SAMPLES RECIVED

CHAIN OF CUSTODY 4190

Applied P & Ch Lab
13760 Magnolia Ave.
Chino, Calif. 91710
(909) 590-1828
Fax (909) 590-1498

From: Southern California Edison
Highgrove
12700 Taylor St.
Colton, Calif. 92324
(909) 899-7253

P.O. / Work Order Order No. A2014911

Test to be preformed: As soon as possible.

Please perform the following: pH,

Item No.	Number of samples per container	E.T.G.S. sample numbers		Item No.	Number of samples per container	E.T.G.S. sample numbers	
13	1	HG96-102213	1137	19	1	HG96-102219	1143
14	1	HG96-102214	1138	20	1	HG96-102220	1144
15	1	HG96-102215	1139	21	1	HG96-102221	1145
16	1	HG96-102216	1140	22	1	HG96-102222	1146
17	1	HG96-102217	1141	23	1	HG96-102223	1147
18	1	HG96-102218	1142	24	1	HG96-102224	1148

RECEIVED BY: [signature] DATE: 10/22/96

PRINTED / TYPED NAME: Dominic LAU

TIME SAMPLES RECIVED:

RELINQUISHED BY: [signature] DATE: 10-22-96

PRINTED / TYPED NAME: Paul Lacroix

TIME SAMPLES RECIVED: 1531

CHAIN OF CUSTODY 4190

Applied P & Ch Lab
13760 Magnolia Ave.
Chino, Calif. 91710
(909) 590-1828
Fax (909) 590-1498

From: Southern California Edison
Highgrove
12700 Taylor St.
Colton, Calif. 92324
(909) 899-7253

P.O. / Work Order Order No. A2014911

Test to be preformed

As soon as possible.

Please perform the following: pH,

Item No.	Number of samples per container	E.T.G.S. sample numbers		Item No.	Number of samples per container	E.T.G.S. sample numbers	
25	1	HG96-102225	1159	31	1	HG96-102231	1206
[illegible]	1	HG96-102226	1201	32	1	HG96-102232	1207
27	1	HG96-102227	1202	33	1	HG96-102233	1208
28	1	HG96-102228	1203	34	1	HG96-102234	1209
29	1	HG96-102229	1204	35	1	HG96-102235	1210
30	1	HG96-102230	1205	36	1	HG96-102236	1211

[illegible] 10/22/96
RECEIVED BY DATE

DOMINIC LAU
PRINTED / TYPED NAME

TIME SAMPLES RECIVED

Paul Lacroix 10-22-96
RELINQUISHED BY DATE

Paul Lacroix
PRINTED / TYPED NAME

1831
TIME SAMPLES RECIVED

CHAIN OF CUSTODY

4190

Applied P & Ch Lab
13760 Magnolia Ave.
Chino, Calif. 91710
(909) 590-1828
Fax (909) 590-1498

From: Southern California Edison
Highgrove
12700 Taylor St.
Colton, Calif. 92324
(909) 899-7253

P.O. / Work Order Order No. A2014911

Test to be preformed: As soon as possible.

Please perform the following: pH,

Item No.	Number of samples per container	E.T.G.S. sample numbers		Item No.	Number of samples per container	E.T.G.S. sample numbers	
37	1	HG96-102237	1212				
	1	HG96-102238	1213				
39	1	HG96-102239	1214				
40	1	HG96-102240	1215				
41	1	HG96-102241	1216				
42	1	HG96-102242	1223				

RECEIVED BY: [illegible] DATE: 10/22/96

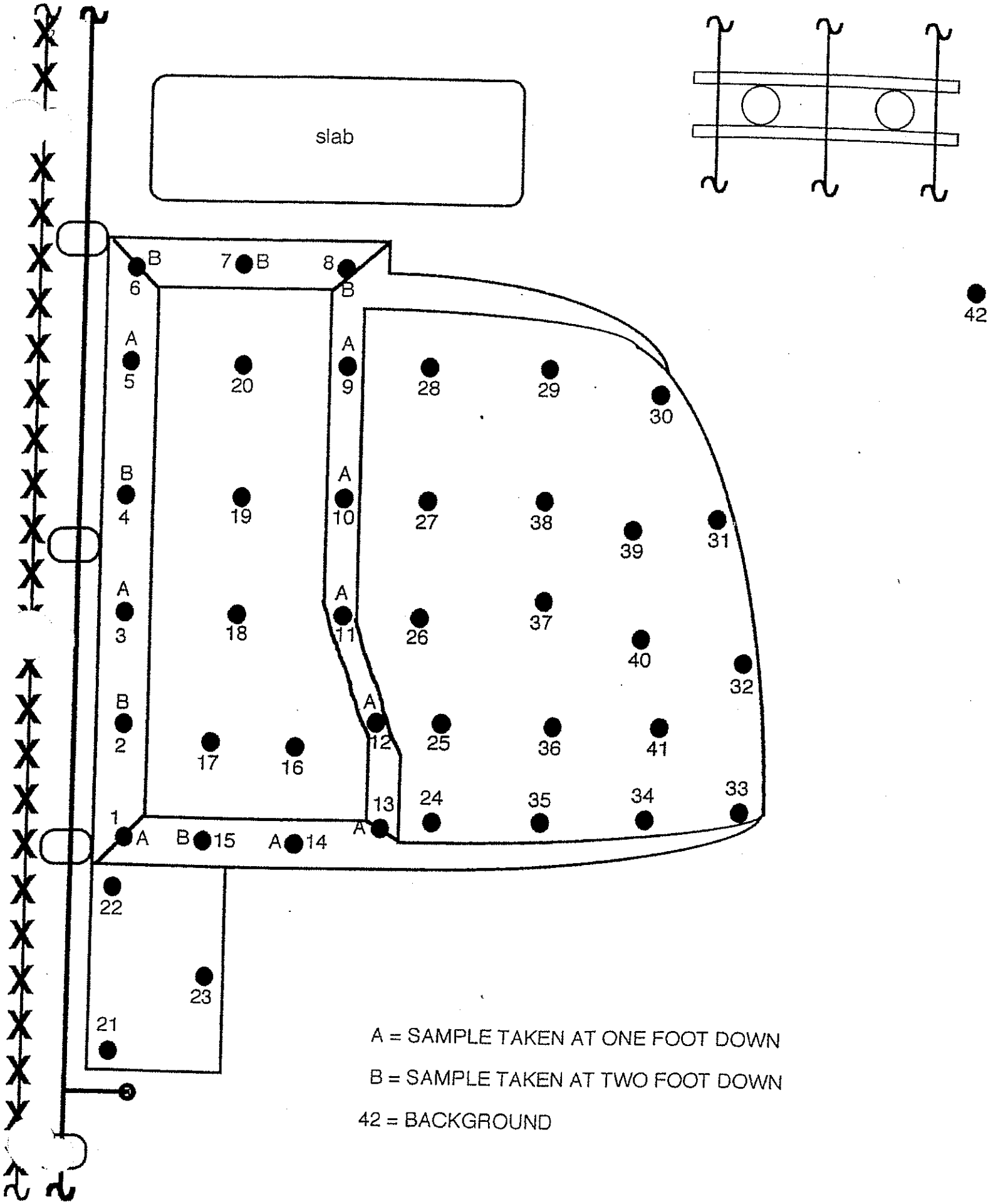
PRINTED / TYPED NAME: Dominic Lau

TIME SAMPLES RECIVED:

RELINQUISHED BY: [illegible] DATE: 10-22-96

PRINTED / TYPED NAME: Paul Lacroix

TIME SAMPLES RECIVED: 1831


slab
A = SAMPLE TAKEN AT ONE FOOT DOWN
B = SAMPLE TAKEN AT TWO FOOT DOWN
42 = BACKGROUND

Agricultural Area (Northeast Parcel)

Area Analytical Results

July 2, 1993

W. Trch
Research and Development
Fuel Cell Research Center

Analysis of Soil Samples from
from North End of Highrove
Generating Station

The laboratory report for the determination of Title 22 Metals in the following samples,

HG93-062801
HG93-062802
HG93-062803

Are attached to this report.

The concentrations of Title 22 mealts in the samples were lees than the TTLCs limits set forth under the law of Title 22. pH for all three samples are in limits.

If you have questions, call Paul Lacroix at Pax 44-253.

Paul Lacroix

P.Lacroix
Environmental Specialist III
Etiwanda Generatting Station

PRELIMINARY DATA
QC REVIEW PENDING
PROJECT MANAGER_____

ANALYTICAL REPORT

Southern California Edison
8996 Etiwanda Avenue
Etiwanda, CA 91739

Date Sampled: 06/28/93
Date Received: 06/28/93
Date Digested: 06/29/93
Date Analyzed: 06/29/93
Work Order No.: 93-06-360

Attn: Paul LaCroix
RE: P.O. #A1122907

All concentrations are reported in mg/kg (ppm). Analyses for Title 22 metals were conducted on a total digestion.

Sample Number: HG93-06/2801

Analyte	Method	Concentration	Det'n Limit
Antimony	EPA 6010	ND	3.0
Arsenic	EPA 6010	2.7	2.0
Barium	EPA 6010	127	1.0
Beryllium	EPA 6010	ND	0.5
Cadmium	EPA 6010	8.3	0.5
Chromium(Total)	EPA 6010	18.4	1.0
Cobalt	EPA 6010	10.8	1.0
Copper	EPA 6010	46.7	0.15
Lead	EPA 6010	27.9	3.0
Mercury	EPA 7471	ND	0.1
Molybdenum	EPA 6010	ND	1.0
Nickel	EPA 6010	16.1	1.5
Selenium	EPA 6010	ND	5.0
Silver	EPA 6010	ND	1.0
Thallium	EPA 6010	ND	5.0
Vanadium	EPA 6010	36.1	0.5
Zinc	EPA 6010	78.4	1.0

PRELIMINARY DATA
QC REVIEW PENDING
PROJECT MANAGER

ANALYTICAL REPORT

Southern California Edison
8996 Etiwanda Avenue
Etiwanda, CA 91739

Date Sampled: 06/28/93
Date Received: 06/28/93
Date Digested: 06/29/93
Date Analyzed: 06/29/93
Work Order No.: 93-06-360

Attn: Paul LaCroix
RE: P.O. #A1122907

All concentrations are reported in mg/kg (ppm). Analyses for Title 22 metals were conducted on a total digestion.

Sample Number: HG93-062802

Analyte	Method	Concentration	Det'n Limit
Antimony	EPA 6010	87	3.0
Arsenic	EPA 6010	ND	2.0
Barium	EPA 6010	115	1.0
Beryllium	EPA 6010	ND	0.5
Cadmium	EPA 6010	6.1	0.5
Chromium(Total)	EPA 6010	18.6	1.0
Cobalt	EPA 6010	7.2	1.0
Copper	EPA 6010	68.2	0.15
Lead	EPA 6010	35.3	3.0
Mercury	EPA 7471	ND	0.1
Molybdenum	EPA 6010	ND	1.0
Nickel	EPA 6010	18.3	1.5
Selenium	EPA 6010	ND	5.0
Silver	EPA 6010	ND	1.0
Thallium	EPA 6010	ND	5.0
Vanadium	EPA 6010	36.6	0.5
Zinc	EPA 6010	98.0	1.0

PRELIMINARY DATA
QC REVIEW PE[illegible]
PROJECT [illegible]

ANALYTICAL REPORT

Southern California Edison 8996 Etiwanda Avenue Etiwanda, CA 91739	Date Sampled: Date Received: Date Digested: Date Analyzed: Work Order No.:	06/28/93 06/28/93 06/29/93 06/29/93 93-06-360
Attn: Paul LaCroix RE: P.O. #A1122907	Page 3 of 3	

All concentrations are reported in mg/kg (ppm). Analyses for Title 22 metals were conducted on a total digestion.

Sample Number: HG93-062803

Analyte	Method	Concentration	Det'n Limit
Antimony	EPA 6010	6.1	3.0
Arsenic	EPA 6010	ND	2.0
Barium	EPA 6010	103	1.0
Beryllium	EPA 6010	ND	0.5
Cadmium	EPA 6010	5.3	0.5
Chromium(Total)	EPA 6010	13.3	1.0
Cobalt	EPA 6010	4.9	1.0
Copper	EPA 6010	41.3	0.15
Lead	EPA 6010	37.9	3.0
Mercury	EPA 7471	ND	0.1
Molybdenum	EPA 6010	ND	1.0
Nickel	EPA 6010	16.4	1.5
Selenium	EPA 6010	ND	5.0
Silver	EPA 6010	ND	1.0
Thallium	EPA 6010	ND	5.0
Vanadium	EPA 6010	21.5	0.5
Zinc	EPA 6010	125	1.0

Reviewed and Approved _____ on ___/___/1993
William H. Christensen
Laboratory Operations Manager

ND denotes not detected at indicated detection limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

PRELIMINARY DATA
QC REVIEW PENDING
PROJECT MANAGER _____

ANALYTICAL REPORT

Southern California Edison 8996 Etiwanda Avenue Etiwanda, CA 91739	Date Sampled: Date Received: Date Analyzed:	06/28/93 06/28/93 06/29/93
Attn: Paul LaCroix RE: P.O. #A1122907	Work Order No.: Method: Page 1 of 1	93-06-360 EPA 9045

All values are reported in pH units.

Sample Number	pH	Det'n Limit
HG93-062801	7.60	0.01
HG93-062802	7.25	0.01
HG93-062803	7.58	0.01

Reviewed and Approved _____ on ___/___/1993
William H. Christensen
Laboratory Operations Manager

ND denotes not detected at indicated detection limit.

Each sample was received by CEL chilled, intact, and with chain-of-custody attached.

CHAIN OF CUSTODY

REF.NO.: ·000

To: Calscience Environmental Lab
11631 Seaboard Circle
Stanton, Calif. 90680
(714) 895-5494

From: Southern California Edison
Highgrove Generating Station
12700 Taylor St.
Colton, California 93234
(909) 825-3414

P.O. / Work Order Order No. A1122907

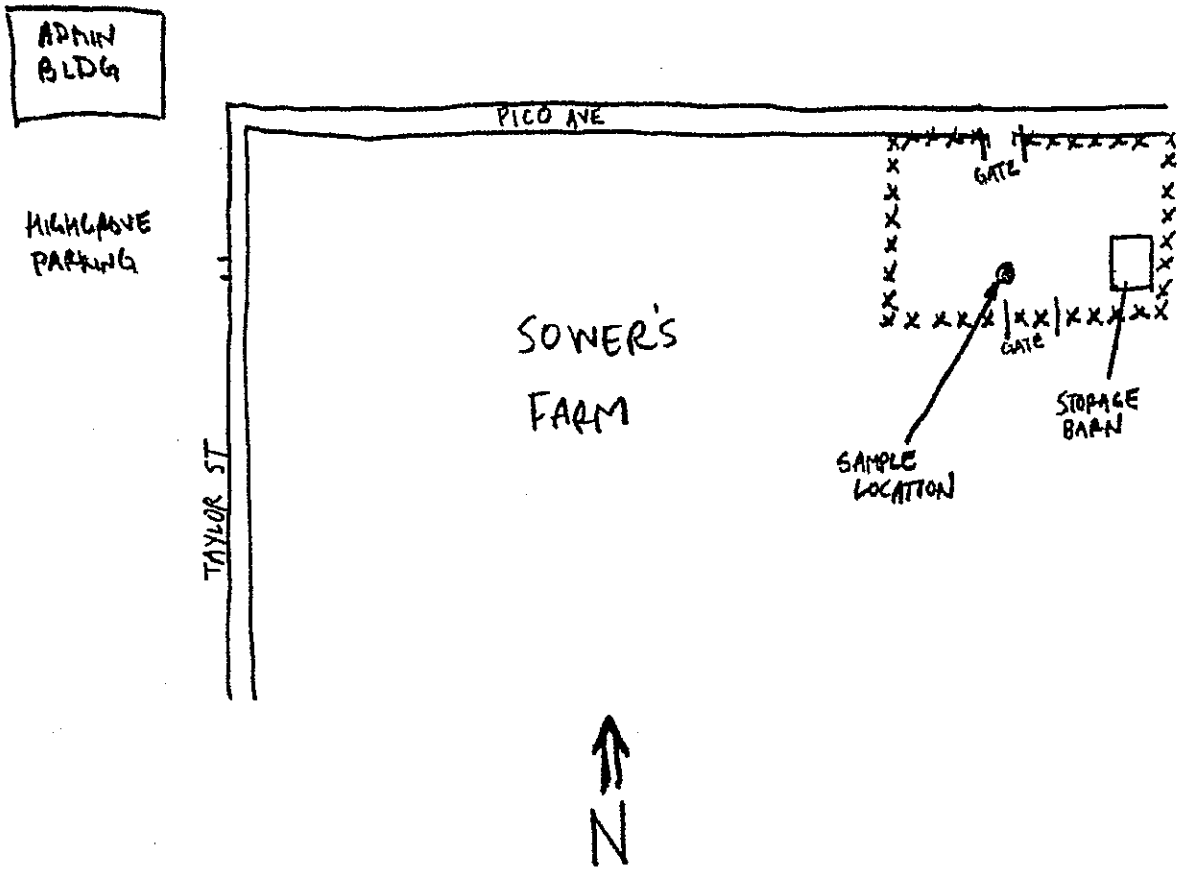
Item No.	Number of samples per container	E.T.G.S. sample numbers	Div. Chem. sample numbers	Test to be preformed
1	1	HG93-062801		Total Title 22 metals and P.H.
2	1	HG93-062802		Total Title 22 metals and P.H.
3	1	HG93-062803		Total Title 22 metals and P.H.

RECEIVED BY — DATE 6/28/93 6:40 pm

JAY PATEL
PRINTED / TYPED NAME

RELINQUISHED BY — DATE 6-28-93

Paul Lacroix
PRINTED / TYPED NAME


ADMIN BLDG
HIGHGROVE PARKING
PICO AVE
GATE
GATE
SOWER'S FARM
STORAGE BARN
SAMPLE LOCATION
TAYLOR ST
N

CORE LABORATORIES

CORE LABORATORIES
A N A L Y T I C A L R E P O R T

Job Number: 951896
Prepared For:

Southern California Edison
David Barr
14807 Chestnut Street
Westminister, CA 92683

Date: 06/27/95

Signature for

Date: 6-27-95

Name: Timothy A. Scott

Core Laboratories
1250 Gene Autry Way
Anaheim, CA 92805

Title: Laboratory Manager

C A. E. L. A. P. 1174
L. A. C. S. D. 10146

[illegible] The [illegible] opinions expressed here- [illegible] to the product [illegible] operations [illegible] of any oil, gas [illegible]

CORE LABORATORIES

LABORATORY TESTS RESULTS
06/27/95

OB NUMBER: 951896 CUSTOMER: Southern California Edison ATTN: David Barr

LIENT I.D.....: Sower's Farm-Grand Terrace
ATE SAMPLED.....: 06/21/95
IME SAMPLED.....: 14:30
ORK DESCRIPTION...: SF.1 1' Soil-Sower's Farm

LABORATORY I.D...: 951896-0001
DATE RECEIVED....: 06/22/95
TIME RECEIVED....: 16:05
REMARKS.....: Soil;1-16oz gl.jar

EST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
onication Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	06/26/95	TH
olychlorinated Biphenyls		*1		EPA 8080	06/26/95	CIS
Aroclor-1016	ND	33	ug/kg	EPA 8080		
Aroclor-1221	ND	33	ug/kg	EPA 8080		
Aroclor-1232	ND	33	ug/kg	EPA 8080		
Aroclor-1242	ND	33	ug/kg	EPA 8080		
Aroclor-1248	ND	33	ug/kg	EPA 8080		
Aroclor-1254	ND	33	ug/kg	EPA 8080		
Aroclor-1260	ND	33	ug/kg	EPA 8080		
Tetrachloro-m-xylene (SURROGATE)	51	0	% Recovery	QC LIMITS 40-130		

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

CORE LABORATORIES

LABORATORY TESTS RESULTS
06/27/95

OB NUMBER: 951896 CUSTOMER: Southern California Edison ATTN: David Barr

LIENT I.D.....: Sower's Farm-Grand Terrace
ATE SAMPLED.....: 06/21/95
IME SAMPLED.....: 14:40
ORK DESCRIPTION...: SF.2 3' Soil-Sower's Farm

LABORATORY I.D...: 951896-0002
DATE RECEIVED....: 06/22/95
TIME RECEIVED....: 16:05
REMARKS.....: Soil;1-16oz gl.jar

EST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
onication Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	06/26/95	TH
olychlorinated Biphenyls		*1		EPA 8080	06/26/95	CIS
Aroclor-1016	ND	33	ug/kg	EPA 8080		
Aroclor-1221	ND	33	ug/kg	EPA 8080		
Aroclor-1232	ND	33	ug/kg	EPA 8080		
Aroclor-1242	ND	33	ug/kg	EPA 8080		
Aroclor-1248	ND	33	ug/kg	EPA 8080		
Aroclor-1254	ND	33	ug/kg	EPA 8080		
Aroclor-1260	ND	33	ug/kg	EPA 8080		
Tetrachloro-m-xylene (SURROGATE)	49	0	% Recovery	QC LIMITS 40-130		

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

CORE LABORATORIES

QUALITY ASSURANCE REPORT
06/27/95

OB NUMBER: 951896 CUSTOMER: Southern California Edison ATTN: David Barr

CBs by EPA 8080 DATE ANALYZED: 06/26/95 TIME ANALYZED: 00:00 METHOD: EPA 8080 QC NUMBER:944229

BLANKS

EST DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
roclor-1016	METHOD	062695	1	<33	33	ug/kg
roclor-1221	METHOD	062695	1	<33	33	ug/kg
roclor-1232	METHOD	062695	1	<33	33	ug/kg
roclor-1242	METHOD	062695	1	<33	33	ug/kg
roclor-1248	METHOD	062695	1	<33	33	ug/kg
roclor-1254	METHOD	062695	1	<33	33	ug/kg
roclor-1260	METHOD	062695	1	<33	33	ug/kg
etrachloro-m-xylene (SURROGATE)	METHOD	062695	1	52	0	% Recovery

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

CORE LABORATORIES

QUALITY ASSURANCE REPORT
06/27/95

IOB NUMBER: 951896 CUSTOMER: Southern California Edison ATTN: David Barr

CBs by EPA 8080 DATE ANALYZED: 06/26/95 TIME ANALYZED: 00:00 METHOD: EPA 8080 QC NUMBER:944229

MATRIX SPIKES

EST ESCRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
roclor-1254	MATRIX	951836-8	1	340	0	330	103	33	ug/kg
	MATRIX DUP	951836-8	1	340	0	330	103	33	ug/kg
etrachloro-m-xylene (SURROGAT	MATRIX	951836-8	1	50	0	100	50	0	% Recovery
	MATRIX DUP	951836-8	1	49	0	100	49	0	% Recovery

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

CORE LABORATORIES

QUALITY ASSURANCE FOOTER

METHOD REFERENCES

(1) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, November 1990, and July 1992 update
(2) Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
(3) EPA 600/4-79-020, Methods of Chemical Analysis for Waters and Wastes, March 1983
(4) Federal Register, Friday, October 26, 1984 (40 CFR Part 136)
(5) American Society for Testing and Materials, Volumes 5.01, 5.02, 5.03, 1992
(6) EPA 600/4-89-001, Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Fresh Water Organisms
(7) EPA 600/4-90-027, Methods for Measuring the Acute Toxicity of Effluent and Receiving Waters to Fresh Water and Marine Organisms, Fourth Edition

COMMENTS

All methods of chemical analysis have a statistical uncertainty associated with the results. Unless otherwise indicated, the data in this report are within the limits of uncertainty as specified in the referenced method. Quality control acceptance criteria are based either on actual laboratory performance or on limits specified in the referenced method. The date and time of analysis indicated on the QA report may not reflect the actual time of analysis for QC samples. All data reported on an "as received" basis unless otherwise indicated. Data reported in the QA report may be lower than sample data due to dilution of samples into the calibration range of the analysis. Sample concentrations for solid samples are calculated on an as received (wet) basis. Unless otherwise indicated, volatiles by gas chromatograpy are reported from a single column. Volatiles analyses on low level soils are conducted at room temperature.

FOOTNOTES, AND ABBREVIATIONS (as needed)

NA = Not analyzed
N/A = Not applicable
ug/L = Micrograms per liter
mg/L = Milligrams per liter
ND = Not detected at a value greater than the reporting limit
NC = Not calculable due to values lower than the detection limit
N.I. = Not Ignitable
S.I. = Sustains Ignition
I(NS) = Ignites, but does not Sustain Ignition
RPD = Relative Percent Difference
(a) = Surrogate recoveries were outside acceptable ranges due to matrix effects.
(b) = Surrogate recoveries were not calculated due to dilution of the sample below the detectable range for the surrogate.
(c) = Matrix spike recoveries were outside acceptable ranges due to matrix effects.
(d) = Relative Percent Difference (RPD) for duplicate analysis outside acceptance limits due to actual differences in the sample matrix.
(e) = The limit listed for flammability indicates the upper limit for the test. Samples are not tested at temperatures above 140 Fahrenheit since only samples which will sustain ignition at temperatures below 140 are considered flammable.
(f) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a diesel standard, however, the hydrocarbon pattern did not match a diesel pattern.
(g) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a gasoline standard, however, the hydrocarbon pattern did not match a gasoline pattern.
(h) = High dilution due to matrix effects
(i) = Samples with results below 500 mg/L are considered hazardous

QC SAMPLE IDENTIFICATIONS

MB = Method Blank
RB = Reagent Blank
ICB = Initial Calibration Blank
CCB = Continuing Calibration Blank
CS = Calibration Standard
ICB = Initial Calibration Verification
CCV = Continuing Calibration Verification
SB = Storage Blank
MS = Matrix Spike
MSD = Matrix Spike Duplicate
MD = Matrix Duplicate
BS = Blank Spike
SS = Surrogate Spike
LCS = Laboratory Control Standard
RS = Reference Standard

SUBCONTRACTED LABORATORY LOCATIONS

Core Laboratories:	Aurora, Colorado(ELAP #1933)	*AU
	Casper, Wyoming	*CA
	Corpus Christi, Texas	*CC
	Houston, Texas	*HP
	Lake Charles, Louisiana	*LC
	Long Beach, California	*LB
Aquatic Testing Laboratories:		
	Ventura, California	*AT

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY: SOUTHERN CALIFORNIA EDISON	PROJECT NAME/NUMBER: SOWER'S FARM - GRAND TERRACE
SEND REPORT TO: DAVID BARR	**BILLING INFORMATION**
ADDRESS: 14807 CHESTNUT STREET	BILL TO: PEGGY LABRUM
WESTMINSTER, CA 92683	ADDRESS: 430 NORTH VINEYARD, SUITE 210 ONTARIO, CA 91764
PHONE: (714) 895-0444	PHONE: (909) 395-3352
FAX: (714) 895-0344	FAX: 395-3345 PO NO.:

LAB JOB NO. 95856

SAMPLE NO.	SAMPLE ID/DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERV.	NUMBER OF CONTAINERS	ANALYSIS / METHOD REQUEST: EPA 8260								REMARKS / PRECAUTIONS
SF 1	1' SOIL - SOWER'S FARM	6-21-95	14:30	SOIL		NONE	1	X								
SF 2	3' SOIL - SOWER'S FARM	6-21-95	14:40	SOIL		NONE	1	X								

SAMPLER: D. W. BARR

SHIPMENT METHOD: HAND CARRY

AIRBILL NO.

REQUIRED TURNAROUND: SAME DAY | 24 HOURS | 48 HOURS | 72 HOURS | 5 DAYS | 10 DAYS | X ROUTINE | OTHER

RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: D. W. Barr	6-22-95	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: DAVID BARR/SO CAL EDISON	TIME: 16:05	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE: Janet R. Bell	6/23/95	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: JANET R. BELL / CERC	TIME: 16:05	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

RUSH TURNAROUND MAY REQUIRE SURCHARGE

☒ Anaheim, California
1250 E. Gene Autry Way
Anaheim, California 92805
(714) 937 1094
(800) 404 2673

☐ Long Beach, California
3700 Cherry Avenue
Long Beach, California 90807
(310) 595 8401
(800) 814 3433

☐ Denver (Aurora), Colorado
10703 E. Bethany Drive
Aurora, Colorado 80014
(303) 751 1780
(800) 972 2673

☐ Casper, Wyoming
420 West 1st Street
Casper, Wyoming 82601
(307) 235-5741
(800) 666-0306

☐ Houston, Texas
8210 Mosley Road
Houston, Texas 77075
(713) 943 9776
(800) 734-2673

☐ Corpus Christi, Texas
1733 North Padre Island Drive
Corpus Christi, Texas 78408
(512) 289-2673
(800) 548 8228

☐ Lake Charles, Louisiana
3645 Beglis Parkway
Sulphur, Louisiana 70663
(318) 583 4926
(800) 259 4926

CORE LABORATORIES

Dario Bal

CORE LABORATORIES
A N A L Y T I C A L R E P O R T

Job Number: 952322
Prepared For:

Southern California Edison
Peggy Labrum
430 North Vineyard Ave.,Suite 210
Ontario, CA 91764

Date: 08/11/95

Signature

Date: 8/11/95

Name: Timothy A. Scott

Core Laboratories
1250 Gene Autry Way
Anaheim, CA 92805

Title: Laboratory Manager

CORE LABORATORIES

LABORATORY TESTS RESULTS
08/11/95

NUMBER: 952322 CUSTOMER: Southern California Edison ATTN: Peggy Labrum

:NT I.D.....: Sower's Farm#2
: SAMPLED.....: 07/28/95
: SAMPLED.....: 12:15
: DESCRIPTION...: SF.3(1)-1' Soil-Sower's Farm

LABORATORY I.D...: 952322-0001
DATE RECEIVED....: 07/28/95
TIME RECEIVED....: 15:10
REMARKS.....: Soil

DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
cation Extraction - Pesticides	COMPLETED	-----	N/A	EPA 3550	08/03/95	TH
icides/PCBs by GC/ELCD		*1		EPA 8080	08/11/95	CIS
a-BHC	ND	1.65	ug/kg	EPA 8080		
b-BHC	ND	1.65	ug/kg	EPA 8080		
Delta-BHC	ND	1.65	ug/kg	EPA 8080		
g-BHC	ND	1.65	ug/kg	EPA 8080		
Heptachlor	ND	1.65	ug/kg	EPA 8080		
Aldrin	ND	1.65	ug/kg	EPA 8080		
Heptachlorepoxide	ND	1.65	ug/kg	EPA 8080		
Endosulfan I	ND	1.65	ug/kg	EPA 8080		
4	ND	1.65	ug/kg	EPA 8080		
D	ND	1.65	ug/kg	EPA 8080		
Enc	ND	1.65	ug/kg	EPA 8080		
Endosulfan II	ND	1.65	ug/kg	EPA 8080		
4,4'-DDD	ND	1.65	ug/kg	EPA 8080		
Endrin aldehyde	ND	1.65	ug/kg	EPA 8080		
Endosulfan sulfate	ND	1.65	ug/kg	EPA 8080		
4,4'-DDT	ND	1.65	ug/kg	EPA 8080		
Methoxychlor	ND	3.3	ug/kg	EPA 8080		
Chlordane	ND	33	ug/kg	EPA 8080		
Toxaphene	ND	33	ug/kg	EPA 8080		
Aroclor-1016	ND	33	ug/kg	EPA 8080		
Aroclor-1221	ND	33	ug/kg	EPA 8080		
Aroclor-1232	ND	33	ug/kg	EPA 8080		
Aroclor-1242	ND	33	ug/kg	EPA 8080		
Aroclor-1248	ND	33	ug/kg	EPA 8080		
Aroclor-1254	ND	33	ug/kg	EPA 8080		
Aroclor-1260	ND	33	ug/kg	EPA 8080		
Dibutylchlorendate (SURROGATE)	46	0	% Recovery	24-154% QC LIMITS		
Tetrachloro-m-xylene (SURROGATE)	50	0	% Recovery	40-130% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
08/11/95

) NUMBER: 952322 CUSTOMER: Southern California Edison ATTN: Peggy Labrum

ENT I.D.....: Sower's Farm#2
E SAMPLED.....: 07/28/95
E SAMPLED.....: 12:15
K DESCRIPTION...: SF.4(2)-3' Soil-Sower's Farm

LABORATORY I.D...: 952322-0002
DATE RECEIVED....: 07/28/95
TIME RECEIVED....: 15:10
REMARKS.....: Soil

T DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
ication Extraction - Pesticides	COMPLETED	-----	N/A	EPA 3550	08/03/95	TH
ticides/PCBs by GC/ELCD		*1		EPA 8080	08/11/95	CIS
a-BHC	ND	1.65	ug/kg	EPA 8080		
b-BHC	ND	1.65	ug/kg	EPA 8080		
Delta-BHC	ND	1.65	ug/kg	EPA 8080		
g-BHC	ND	1.65	ug/kg	EPA 8080		
Heptachlor	ND	1.65	ug/kg	EPA 8080		
Aldrin	ND	1.65	ug/kg	EPA 8080		
Heptachlorepoxide	ND	1.65	ug/kg	EPA 8080		
Endosulfan I	ND	1.65	ug/kg	EPA 8080		
	ND	1.65	ug/kg	EPA 8080		
	ND	1.65	ug/kg	EPA 8080		
Endrin	ND	1.65	ug/kg	EPA 8080		
Endosulfan II	ND	1.65	ug/kg	EPA 8080		
4,4'-DDD	ND	1.65	ug/kg	EPA 8080		
Endrin aldehyde	ND	1.65	ug/kg	EPA 8080		
Endosulfan sulfate	ND	1.65	ug/kg	EPA 8080		
4,4'-DDT	ND	1.65	ug/kg	EPA 8080		
Methoxychlor	ND	3.3	ug/kg	EPA 8080		
Chlordane	ND	33	ug/kg	EPA 8080		
Toxaphene	ND	33	ug/kg	EPA 8080		
Aroclor-1016	ND	33	ug/kg	EPA 8080		
Aroclor-1221	ND	33	ug/kg	EPA 8080		
Aroclor-1232	ND	33	ug/kg	EPA 8080		
Aroclor-1242	ND	33	ug/kg	EPA 8080		
Aroclor-1248	ND	33	ug/kg	EPA 8080		
Aroclor-1254	ND	33	ug/kg	EPA 8080		
Aroclor-1260	ND	33	ug/kg	EPA 8080		
Dibutylchlorendate (SURROGATE)	63	0	% Recovery	24-154% QC LIMITS		
Tetrachloro-m-xylene (SURROGATE)	51	0	% Recovery	40-130% QC LIMITS		

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CORE LABORATORIES

LABORATORY TESTS RESULTS
08/07/95

I NUMBER: 951766 CUSTOMER: CORE LABORATORIES ATTN: TIMOTHY SCOTT

ENT I.D.....: 952322
E SAMPLED.....: 07/28/95
E SAMPLED.....: 12:15
K DESCRIPTION...: 952322-1

LABORATORY I.D...: 951766-0001
DATE RECEIVED....: 08/02/95
TIME RECEIVED....: 10:00
REMARKS.....: 1' SOIL - SOWER'S FARM

T DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
O-ORGANOPHOSPHOROUS PESTICIDES		*10		8140 (2)	08/04/95	SMC
Guthion (Methyl Azinphos)	ND	3.3	ug/Kg			
Bolstar (Sulprofos)	ND	2.3	ug/Kg			
Chlorpyrifos	ND	2.3	ug/Kg			
Coumaphos	ND	6.6	ug/Kg			
Demeton (O and S)	ND	6.6	ug/Kg			
Diazinon	ND	13	ug/Kg			
Dichlorvos	ND	26	ug/Kg			
Disulfoton	ND	9.9	ug/Kg			
Dimethoate	ND	3.3	ug/Kg			
Et[illegible]rop	ND	6.6	ug/Kg			
[illegible]	ND	6.6	ug/Kg			
[illegible]hion	ND	6.6	ug/Kg			
Fe[illegible]ion	ND	6.6	ug/Kg			
Merphos	ND	6.6	ug/Kg			
Mevinphos	ND	1.7	ug/Kg			
Naled	ND	1.7	ug/Kg			
Malathion	ND	6.6	ug/Kg			
Monocrotophos	ND	9.9	ug/Kg			
Methyl Parathion	ND	6.6	ug/Kg			
Ethyl Parathion	ND	6.6	ug/Kg			
Phorate	ND	3.3	ug/Kg			
Ronnel	ND	3.3	ug/Kg			
Sulfotep	ND	3.3	ug/Kg			
Tetrachlorvinphos (Stirophos)	ND	26	ug/Kg			
Tokuthion (Protothiofos)	ND	2.3	ug/Kg			
Trichloronate	ND	26	ug/Kg			
Tributylphosphate (Surrogate)	72	0	% Recovery	36-152% Limit		
Triphenylphosphate (Surrogate)	86	0	% Recovery	40-152% Limit		
Time Analyzed	2123	0				
Date Extracted	08/04/95	0				

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[illegible]

CORE LABORATORIES

LABORATORY TESTS RESULTS
08/07/95

NUMBER: 951766 CUSTOMER: CORE LABORATORIES ATTN: TIMOTHY SCOTT

ENT I.D.....: 952322
E SAMPLED.....: 07/28/95
E SAMPLED.....: 12:15
K DESCRIPTION...: 952322-2

LABORATORY I.D...: 951766-0002
DATE RECEIVED....: 08/02/95
TIME RECEIVED....: 10:00
REMARKS.....: 3' SOIL - SOWER'S FARM

T DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
)-ORGANOPHOSPHOROUS PESTICIDES		*10		8140 (2)	08/04/95	SMC
Guthion (Methyl Azinphos)	ND	3.3	ug/Kg			
Bolstar (Sulprofos)	ND	2.3	ug/Kg			
Chlorpyrifos	ND	2.3	ug/Kg			
Coumaphos	ND	6.6	ug/Kg			
Demeton (O and S)	ND	6.6	ug/Kg			
Diazinon	ND	13	ug/Kg			
Dichlorvos	ND	26	ug/Kg			
Disulfoton	ND	9.9	ug/Kg			
Dimethoate	ND	3.3	ug/Kg			
Et[illegible]op	ND	6.6	ug/Kg			
[illegible]	ND	6.6	ug/Kg			
[illegible]nion	ND	6.6	ug/Kg			
Fe[illegible]ion	ND	6.6	ug/Kg			
Merphos	ND	6.6	ug/Kg			
Mevinphos	ND	1.7	ug/Kg			
Naled	ND	1.7	ug/Kg			
Malathion	ND	6.6	ug/Kg			
Monocrotophos	ND	9.9	ug/Kg			
Methyl Parathion	ND	6.6	ug/Kg			
Ethyl Parathion	ND	6.6	ug/Kg			
Phorate	ND	3.3	ug/Kg			
Ronnel	ND	3.3	ug/Kg			
Sulfotep	ND	3.3	ug/Kg			
Tetrachlorvinphos (Stirophos)	ND	26	ug/Kg			
Tokuthion (Protothiofos)	ND	2.3	ug/Kg			
Trichloronate	ND	26	ug/Kg			
Tributylphosphate (Surrogate)	89	0	% Recovery	36-152% Limit		
Triphenylphosphate (Surrogate)	100	0	% Recovery	40-152% Limit		
Time Analyzed	2223	0				
Date Extracted	08/04/95	0				

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CORE LABORATORIES

LABORATORY TESTS RESULTS
08/07/95

NUMBER: 951766 CUSTOMER: CORE LABORATORIES ATTN: TIMOTHY SCOTT

ENT I.D.....:
E SAMPLED.....: / /
E SAMPLED.....: :
K DESCRIPTION...: METHOD BLANK

LABORATORY I.D...: 951766-0003
DATE RECEIVED....: / /
TIME RECEIVED....: :
REMARKS.....:

T DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
)-ORGANOPHOSPHOROUS PESTICIDES		*10		8140 (2)	08/04/95	SMC
Guthion (Methyl Azinphos)	ND	3.3	ug/Kg			
Bolstar (Sulprofos)	ND	2.3	ug/Kg			
Chlorpyrifos	ND	2.3	ug/Kg			
Coumaphos	ND	6.6	ug/Kg			
Demeton (O and S)	ND	6.6	ug/Kg			
Diazinon	ND	13	ug/Kg			
Dichlorvos	ND	26	ug/Kg			
Disulfoton	ND	9.9	ug/Kg			
Dimethoate	ND	3.3	ug/Kg			
Eth[illegible]op	ND	6.6	ug/Kg			
E[illegible]	ND	6.6	ug/Kg			
F[illegible]ion	ND	6.6	ug/Kg			
Fen[illegible]ion	ND	6.6	ug/Kg			
Merphos	ND	6.6	ug/Kg			
Mevinphos	ND	1.7	ug/Kg			
Naled	ND	1.7	ug/Kg			
Malathion	ND	6.6	ug/Kg			
Monocrotophos	ND	9.9	ug/Kg			
Methyl Parathion	ND	6.6	ug/Kg			
Ethyl Parathion	ND	6.6	ug/Kg			
Phorate	ND	3.3	ug/Kg			
Ronnel	ND	3.3	ug/Kg			
Sulfotep	ND	3.3	ug/Kg			
Tetrachlorvinphos (Stirophos)	ND	26	ug/Kg			
Tokuthion (Protothiofos)	ND	2.3	ug/Kg			
Trichloronate	ND	26	ug/Kg			
Tributylphosphate (Surrogate)	85	0	% Recovery	36-152% Limit		
Triphenylphosphate (Surrogate)	90	0	% Recovery	40-152% Limit		
Time Analyzed	2022	0				
Date Extracted	08/04/95	0				

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Aurora, CO 80014
(303) 751-1780

[illegible] The interpretations or opinions expressed herein [illegible]

CORE LABORATORIES

QUALITY ASSURANCE REPORT
08/11/95

NUMBER: 952322 CUSTOMER: Southern California Edison ATTN: Peggy Labrum

ticides and PCBs by EPA 8080 DATE ANALYZED: 08/11/95 TIME ANALYZED: 00:00 METHOD: EPA 8080 QC NUMBER:945294

BLANKS

T DESCRIPTION	ANALY SUB-TYPE	ANALYSIS I.D.	DILUTION FACTOR	ANALYZED VALUE	DETECTION LIMIT	UNITS OF MEASURE
HC	METHOD	080395	1	<1.65	1.65	ug/kg
HC	METHOD	080395	1	<1.65	1.65	ug/kg
ta-BHC	METHOD	080395	1	<1.65	1.65	ug/kg
HC	METHOD	080395	1	<1.65	1.65	ug/kg
achlor	METHOD	080395	1	<1.65	1.65	ug/kg
in	METHOD	080395	1	<1.65	1.65	ug/kg
HC	METHOD	080395	1	<1.65	1.65	ug/kg
sulfan I	METHOD	080395	1	<1.65	1.65	ug/kg
-DDE	METHOD	080395	1	<1.65	1.65	ug/kg
drin	METHOD	080395	1	<1.65	1.65	ug/kg
in	METHOD	080395	1	<1.65	1.65	ug/kg
sulfan II	METHOD	080395	1	<1.65	1.65	ug/kg
-DDD	METHOD	080395	1	<1.65	1.65	ug/kg
in aldehyde	METHOD	080395	1	<1.65	1.65	ug/kg
lfate	METHOD	080395	1	<1.65	1.65	ug/kg
	METHOD	080395	1	<1.65	1.65	ug/kg
ox,	METHOD	080395	1	<3.3	3.3	ug/kg
rdane	METHOD	080395	1	<33	33	ug/kg
phene	METHOD	080395	1	<33	33	ug/kg
lor-1016	METHOD	080395	1	<33	33	ug/kg
lor-1221	METHOD	080395	1	<33	33	ug/kg
lor-1232	METHOD	080395	1	<33	33	ug/kg
lor-1242	METHOD	080395	1	<33	33	ug/kg
lor-1248	METHOD	080395	1	<33	33	ug/kg
lor-1254	METHOD	080395	1	<33	33	ug/kg
lor-1260	METHOD	080395	1	<33	33	ug/kg
ylchlorendate (SURROGATE)	METHOD	080395	1	62	0	% Recovery
chloro-m-xylene (SURROGATE)	METHOD	080395	1	45	0	% Recovery

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(714) 937-1094

CORE LABORATORIES

QUALITY ASSURANCE REPORT
08/11/95

NUMBER: 952322 CUSTOMER: Southern California Edison ATTN: Peggy Labrum

ticides and PCBs by EPA 8080 DATE ANALYZED: 08/11/95 TIME ANALYZED: 00:00 METHOD: EPA 8080 QC NUMBER:945294

MATRIX SPIKES

T CRIPTION	ANALYSIS SUB-TYPE	ANALYSIS I. D.	DILUTION FACTOR	ANALYZED VALUE	ORIGINAL VALUE	SPIKE ADDED	PERCENT RECOVERY	DETECTION LIMITS	UNITS OF MEASURE
HC	BLANK	072595-0	1	6.4	0	6.7	96	1.65	ug/kg
	BLANK DUP	072595-0	1	5.9	0	6.7	88	1.65	ug/kg
:achlor	BLANK	072595-0	1	6.1	0	6.7	91	1.65	ug/kg
	BLANK DUP	072595-0	1	5.8	0	6.7	87	1.65	ug/kg
·in	BLANK	072595-0	1	5.6	0	6.7	84	1.65	ug/kg
	BLANK DUP	072595-0	1	5.5	0	6.7	82	1.65	ug/kg
.drin	BLANK	072595-0	1	16	0	17	94	1.65	ug/kg
	BLANK DUP	072595-0	1	17	0	17	100	1.65	ug/kg
·in	BLANK	072595-0	1	16	0	17	94	1.65	ug/kg
	BLANK DUP	072595-0	1	16	0	17	94	1.65	ug/kg
-DDT	BLANK	072595-0	1	14	0	17	82	1.65	ug/kg
	BLANK DUP	072595-0	1	14	0	17	82	1.65	ug/kg
ty' -'lorendate (SURROGATE)	BLANK	072595-0	1	44	0	100	44	0	% Recovery
	BLANK DUP	072595-0	1	46	0	100	46	0	% Recovery
a ·xylene (SURROGAT	BLANK	072595-0	1	48	0	100	48	0	% Recovery
	BLANK DUP	072595-0	1	47	0	100	47	0	% Recovery

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(714) 937-1094

[illegible]

CORE LABORATORIES

QUALITY ASSURANCE FOOTER

METHOD REFERENCES

(1) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, November 1990, and July 1992 update
(2) Standard Methods for the Examination of Water and Wastewater, 17th Edition, 1989
(3) EPA 600/4-79-020, Methods of Chemical Analysis for Waters and Wastes, March 1983
(4) Federal Register, Friday, October 26, 1984 (40 CFR Part 136)
(5) American Society for Testing and Materials, Volumes 5.01, 5.02, 5.03, 1992
(6) EPA 600/4-89-001, Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Fresh Water Organisms
(7) EPA 600/4-90-027, Methods for Measuring the Acute Toxicity of Effluent and Receiving Waters to Fresh Water and Marine Organisms, Fourth Edition

COMMENTS

All methods of chemical analysis have a statistical uncertainty associated with the results. Unless otherwise indicated, the data in this report are within the limits of uncertainty as specified in the referenced method. Quality control acceptance criteria are based either on actual laboratory performance or on limits specified in the referenced method. The date and time of analysis indicated on the QA report may not reflect the actual time of analysis for QC samples. All data reported on an "as received" basis unless otherwise indicated. Data reported in the QA report may be lower than sample data due to dilution of samples into the calibration range of the analysis. Sample concentrations for solid samples are calculated on an as received (wet) basis. Unless otherwise indicated, volatiles by gas chromatograpy are reported from a single column. Volatiles analyses on low level soils are conducted at room temperature.

FLAGS, FOOTNOTES, AND ABBREVIATIONS (as needed)

N = Not analyzed
N/A = Not applicable
ug/L = Micrograms per liter
mg/L = Milligrams per liter
ND = Not detected at a value greater than the reporting limit
NC = Not calculable due to values lower than the detection limit
a) = Surrogate recoveries were outside acceptable ranges due to matrix effects.
b) = Surrogate recoveries were not calculated due to dilution of the sample below the detectable range for the surrogate.
c) = Matrix spike recoveries were outside acceptable ranges due to matrix effects.
d) = Relative Percent Difference (RPD) for duplicate analysis outside acceptance limits due to actual differences in the sample matrix.
e) = The limit listed for flammability indicates the upper limit for the test. Samples are not tested at temperatures above 140 Fahrenheit since only samples which will sustain ignition at temperatures below 140 are considered flammable.
f) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a diesel standard, however, the hydrocarbon pattern did not match a diesel pattern.
g) = Results for this hydrocarbon range did not match a typical hydrocarbon pattern. Results were quantified using a gasoline standard, however, the hydrocarbon pattern did not match a gasoline pattern.
h) = High dilution due to matrix effects
i) = Samples with results below 500 mg/L are considered hazardous

N.I. = Not Ignitable
S.I. = Sustains Ignition
I(NS) = Ignites, but does not Sustain Ignition
RPD = Relative Percent Difference

SAMPLE IDENTIFICATIONS

B = Method Blank
B = Reagent Blank
IB = Initial Calibration Blank
CB = Continuing Calibration Blank
S = Calibration Standard
IB = Initial Calibration Verification
CV = Continuing Calibration Verification
SB = Storage Blank
MS = Matrix Spike
MSD = Matrix Spike Duplicate
MD = Matrix Duplicate
BS = Blank Spike
SS = Surrogate Spike
LCS = Laboratory Control Standard
RS = Reference Standard

SUBCONTRACTED LABORATORY LOCATIONS

Core Laboratories:
Aurora, Colorado(ELAP #1933) *AU
Casper, Wyoming *CA
Corpus Christi, Texas *CC
Houston, Texas *HP
Lake Charles, Louisiana *LC
Long Beach, California *LB

Aquatic Testing Laboratories:
Ventura, California *AT

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

[illegible]

CORE LABORATORIES

QUALITY CONTROL FOOTER

METHOD REFERENCES

(1) EPA 600/4-79-020, Methods For Chemical Analysis Of Water And Wastes, March 1983

(2) EPA SW-846, Test Methods For Evaluating Solid Waste, Third Edition, November 1986

(3) Standard Methods For The Examination Of Water And Wastewater, 17th Edition, 1989

(4) EPA 600/4-80-032, Prescribed Procedures For Measurement Of Radioactivity In Drinking Water, August 1980

(5) EPA 600/8-78-017, Microbiological Methods For Monitoring The Environment, December 1978

(6) Federal Register, July 1, 1990 (40 CFR Part 136)

(7) EPA 600/4-88-039, Methods For The Determination Of Organics Compounds In Drinking Water, December 1988

(8) U.S.G.S. Methods For The Determination Of Inorganic Substances In Water And Fluvial Sediments, Book 5, Chapter A1, 1985

(9) Federal Register, Friday, June 7, 1991, (40 CFR Parts 141 and 142)

(10) Standard Methods For The Examination Of Water And Wastewater, 16th Edition, 1985

(11) ASTM, Section 11 Water And Environmental Technology, Volume 11.01 Water (1), 1991

(12) Methods Of Soil Analysis, American Society Of Agronomy, Agronomy No. 9, 1965

(13) EPA SW-846, Test Methods For Evaluating Solid Waste, Third Edition, Revision 1, November 1990

(14) ASTM, Section 5, Petroleum Products, Lubricants, and Fossil Fuels, Volume 05.05, Gaseous Fuels, Coal and Coke

(15) EPA 600/2-78-054, Field and Laboratory Methods Applicable To Overburdens and Mine Soils, March 1978

ASTM, Part 19, Soils and Rock; Building Stones, 1981

Comments: Data in QA report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" in the QA report refers to the start time of the analytical batch which may not reflect the actual time of each analysis. The "Date Analyzed" is the actual date of analysis. Results for soil and sludge samples are reported on a wet weight basis (i.e. not corrected for percent moisture) unless otherwise indicated.
NC = Not Calculable Due To Value(s) Lower Than The Detection Limit.

Blank QC Sample Identification

MB	Method Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

Reference Standard QC Sample Identification

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard
CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Samples

Spike QC Sample Identification

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post Digestion Spike
SB	Spiked Blank
SBD	Spiked Blank Duplicate

Duplicate QC Sample Identification

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "Technician" using the following codes:

Subcontract Laboratory	Code	Subcontract Laboratory	Code
Core Laboratories - Anaheim, CA	* AN	Core Laboratories - Lake Charles, LA	* LC
Core Laboratories - Casper, WY	* CA	Core Laboratories - Long Beach, CA	* LB
Core Laboratories - Corpus Christi, TX	* CC	Other Subcontract Laboratories	* XX
Core Laboratories - Houston, TX	* HP		

10703 East Bethany Drive
Aurora, CO 80014
(303) 751-1780

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION

COMPANY: SOUTHERN CALIFORNIA EDISON
SEND REPORT TO: DAVID BARR
ADDRESS: 14207 CHESTNUT STREET
WESTMINSTER, CA 92683
PHONE: (714) 895-0499
FAX: (714) 895-0344

PROJECT INFORMATION

PROJECT NAME/NUMBER: SOWERS FARM #2 - GRAND BRACE

BILLING INFORMATION

BILL TO: PEGGY LABRUM
ADDRESS: 430 NORTH VINEYARD, SUITE 210
ONTARIO, CA 91764
PHONE: (909) 395-3352
FAX: 395-3345
PO NO.:

LAB JOB NO. ~~752320~~ (15:) 3-7.)

SAMPLE NO.	SAMPLE ID/DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERV.	NUMBER OF CONTAINERS	EPA 8080 (COMPLETE-PESTICIDES)	EPA 8140	REMARKS / PRECAUTIONS
SF.3(1)	1½' SOIL - SOWERS FARM	7-28-95	1215	SOIL	CWM	NONE	1	X	X	
SF.4(2)	3' SOIL - SOWERS FARM	7-28-95	1215	SOIL	CWM	NONE	1	X	X	

NO CHLORDANE FOR TOXICITY ANALYSIS

SAMPLER: D. W. BARR
SHIPMENT METHOD: HAND CARRY
AIRBILL NO.:

REQUIRED TURNAROUND: [ ] SAME DAY [ ] 24 HOURS [ ] 48 HOURS [ ] 72 HOURS [ ] 5 DAYS [ ] 10 DAYS [X] ROUTINE OTHER

RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: D. W. Barr	7-28-95	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: SOUTHERN CALIFORNIA EDISON	TIME 1510	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
RECEIVED BY:	DATE	2. RECEIVED BY:	DATE	3. RECEIVED BY:	DATE
SIGNATURE:	7/28/95	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Charles Curse	TIME 1510	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME

RUSH TURNAROUND MAY REQUIRE SURCHARGE

[ ] Anaheim, California
1250 E. Gene Autry Way
Anaheim, California 92805
(714) 937 1094
(800) 404 2673

[ ] Long Beach, California
3700 Cherry Avenue
Long Beach, California 90807
(310) 595 0401
(800) 814 3433

[ ] Denver (Aurora), Colorado
10703 E. Bethany Drive
Aurora, Colorado 80014
(303) 751 1780
(800) 972 2673

[ ] Casper, Wyoming
420 West 1st Street
Casper, Wyoming 82601
(307) 235 5741
(800) 666 0306

[ ] Houston, Texas
8710 Mosley Road
Houston, Texas 77075
(713) 943 9776
(800) 734 2673

[ ] Corpus Christi, Texas
1733 North Padre Island Drive
Corpus Christi, Texas 78408
(512) 289 2673
(800) 548 8228

[ ] Lake Charles, Louisiana
3645 Regis Parkway
Sulphur, Louisiana 70663
(318) 583 4926
(800) 259 4926

ORIGINAL

CHAIN OF CUSTODY RECORD

CUSTOMER INFORMATION

COMPANY:

SEND REPORT TO:

ADDRESS:

CORE LABORATORIES, INC.
1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

PHONE:

FAX:

PROJECT INFORMATION

PROJECT NAME/NUMBER: 952322

BILLING INFORMATION

BILL TO:

ADDRESS:

PHONE:

FAX: PO NO.:

LAB JOB NO. 951766

ANALYSIS / METHOD REQUEST: EPA 5140

SAMPLE NO.	SAMPLE ID/DESCRIPTION	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRESERV.	NUMBER OF CONTAINERS	REMARKS / PRECAUTIONS
952322-1	#1' Soil-Sauvers Farm	7/28/95	12:15	Soil	8oz gl.	—	1	
952322-2	3' Soil-Sauvers Farm	↓	↓	↓	↓	—	1	

SAMPLER:

SHIPMENT METHOD: Fed-Ex

AIRBILL NO.: 5133660 5681

REQUIRED TURNAROUND: [ ] SAME DAY [ ] 24 HOURS [ ] 48 HOURS [ ] 72 HOURS [ ] 5 DAYS [ ] 10 DAYS [ ] ROUTINE OTHER 8/7/95

RELINQUISHED BY:	DATE	2. RELINQUISHED BY:	DATE	3. RELINQUISHED BY:	DATE
SIGNATURE: [signature]	8/1/95	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Lance K. Bell / Core Lab	TIME 1035	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY:	TIME
RECEIVED BY:	**DATE**	**2. RECEIVED BY:**	**DATE**	**3. RECEIVED BY:**	**DATE**
SIGNATURE: [signature]	8/2/95	SIGNATURE:		SIGNATURE:	
PRINTED NAME/COMPANY: Core	TIME 1000	PRINTED NAME/COMPANY:	TIME	PRINTED NAME/COMPANY	TIME

RUSH TURNAROUND MAY REQUIRE SURCHARGE

[ ] Anaheim, California
1250 E. Gene Autry Way
Anaheim, California 92805
(714) 937 1094
(800) 404-2673

[ ] Long Beach, California
3700 Cherry Avenue
Long Beach, California 90807
(310) 595 8401
(800) 814-3433

[ ] Denver (Aurora), Colorado
10703 E. Bethany Drive
Aurora, Colorado 80014
(303) 751 1780
(800) 972 2673

[ ] Casper, Wyoming
420 West 1st Street
Casper, Wyoming 82601
(307) 235 5741
(800) 666-0306

[ ] Houston, Texas
8210 Mosley Road
Houston, Texas 77075
(713) 943 9776
(800) 734-2673

[ ] Corpus Christi, Texas
1733 North Padre Island Drive
Corpus Christi, Texas 78408
(512) 289-2673
(800) 548-8228

[ ] Lake Charles, Louisiana
3645 Regis Parkway
Sulphur, Louisiana 70663
(318) 583-4926
(800) 259-4926

ORIGINAL

APPENDIX B

Soil Boring Logs

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Slide Hammer Sampler
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizer
DRILL CO. NA
RIG TYPE NA
DRILLER Terry Baker

BORING A/C1
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 6 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Asphalt (4")	PID BACKGROUND: 0.0 ppm	
						ML		SILT, fine grained Sand, strong brown (7.5YR, 4/6), wet, slight plasticity.	SAMPLE TYPE: Ring	
	NR			NR	NA				COMMENTS:	
5	NR		A/C-1 @ 5.5	NR	NA			SILT, fine grained Sand, strong brown (7.5YR, 4/6), wet, slight plasticity.	Collected sample from side of borehole.	5
								End of Boring @ 6 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Hand Auger
BOREHOLE DIAMETER 3 inches

PROJECT NO. CA0291.001.004
LOGGED BY Tim Granzeier
DRILL CO. NA
RIG TYPE NA
DRILLER James Shemas

BORING AGNE-1A
DATE STARTED 2/3/97
DATE COMPLETED 2/3/97
BORING DEPTH 5.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML		Sandy SILT, very fine to fine grained, poorly graded, dark reddish brown (5YR, 3/2), slightly moist, micaceous.	PID BACKGROUND: NA SAMPLE TYPE: Jar COMMENTS: None	
	NA		AGNE-1A @ 0.5	NR	NA					
						SM		Silty SAND, very fine grained, poorly graded, yellowish brown (10YR, 5/4), slightly moist.		
5	NA		AGNE-1A @ 5	NR	NA					5
								End of Boring @ 5.5 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILLING METHOD Hand Auger
SAMPLING METHOD Hand Auger
BOREHOLE DIAMETER 3 inches

PROJECT NO. CA0291.001.004
LOGGED BY Tim Granzeier
DRILL CO. NA
RIG TYPE NA
DRILLER James Shamas

BORING AGNE-1B
DATE STARTED 2/3/97
DATE COMPLETED 2/3/97
BORING DEPTH 5.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	NA		AGNE-1B @ 0.5	NR	NA	CL		Silty CLAY, trace very fine grained Sand, dark grayish brown, slightly moist, slightly micaceous.	PID BACKGROUND: NA SAMPLE TYPE: Jar COMMENTS: None	
5	NA		AGNE-1B @ 5	NR	NA	ML		Sandy SILT, very fine grained, brown to dark brown (10YR, 4/3), slightly moist.		5
								End of Boring @ 5.5 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILLING METHOD Hand Auger
SAMPLING METHOD Hand Auger
BOREHOLE DIAMETER 3 inches

PROJECT NO. CA0291.001.004
LOGGED BY Tim Granzeier
DRILL CO. NA
RIG TYPE NA
DRILLER James Shames

BORING AGNE-1C
DATE STARTED 2/3/97
DATE COMPLETED 2/3/97
BORING DEPTH 5.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	NA		AGNE-1C @ 0.5	NR	NA	ML		SILT, little very fine grained Sand, dark grayish brown (10YR, 4/2), slightly moist.	PID BACKGROUND: NA SAMPLE TYPE: Jar COMMENTS: None	
						SM		SAND, very fine grained, poorly graded, some Silt, dark yellowish brown (10YR, 3/6), slightly moist.		
5	NA		AGNE-1C @ 5	NR	NA					5
								End of Boring @ 5.5 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hollow Stem Auger
SAMPLING METHOD CMSS
BOREHOLE DIAMETER 8 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B-53
DRILLER Leonel Andrade

BORING AS-1
DATE STARTED 11/1/96
DATE COMPLETED 11/1/96
BORING DEPTH 4.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						SM		Surface is soil with wet leaves.	PID BACKGROUND: NR	
					5			Silty SAND, fine grained, yellowish brown (10YR, 5/4), dry, roots.	SAMPLE TYPE: Ring	
				NR	7					
	100		AS-1 @ 2.5		12				COMMENTS: None	
					10			Silty SAND, fine to medium grained, yellowish brown (10YR, 5/4), dry, moderately cemented.		
				NR	17					
	65		AS-1 @ 4.5		21					
5								End of Boring @ 4.5 ft.		5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER NA inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Terry Baker
DRILL CO. NA
RIG TYPE NA
DRILLER James Shames

BORING B/EB-1
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 3.5 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML			PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: None	
	NR		B/EB-1@1	NR	NA			Sandy SILT, fine grained Sand, some Clay, brown, dry to slightly moist, no discoloration or odor.		
	NR		B/EB-1@3	NR	NA			Clayey SILT, little to no fine grained Sand, brown, wet to slightly moist, few black organics, particles < 0.1 cm.		
								End of Boring @ 3.5 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Slide Hammer
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. NA
RIG TYPE NA
DRILLER NA

BORING CHI1
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 3.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Concrete (8")	PID BACKGROUND: 0.0 ppm	
						SM		Silty SAND, fine to medium grained, dark yellowish brown (10YR, 4/4), slightly moist.	SAMPLE TYPE: Ring	
	100		CHI1 @ 1	0.0	NA				COMMENTS: None	
						SW		SAND, very fine to very coarse grained, trace Pebbles, well graded, slightly moist.		
	100		CHI1 @ 3	0.0	NA					
								End of Boring @ 3.5 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Slide Hammer
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. NA
RIG TYPE NA
DRILLER Terry Baker

BORING CM1
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 3.5 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML		Concrete	PID BACKGROUND: NA SAMPLE TYPE: Ring COMMENTS: Reported historic water pipe breakage in area.	
	NA		CM1@3	0.0	NA			Sandy SILT, fine to medium grained Sand, dark yellowish brown (10YR, 4/4), wet.		
								End of Boring @ 3.5 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Slide Hammer Sampler
BOREHOLE DIAMETER 4.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivian Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Teo Russo

BORING CT-1
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 7 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Gravel Fill	PID BACKGROUND: NR	
	100		CT-1@1	0.8	NA	SC		SAND, very fine to coarse grained, with Silt and Clay, dark yellowish brown (10YR, 3/6), slightly moist, medium dense.	SAMPLE TYPE: Ring	
									COMMENTS: PID readins from hole ranged from 0.0 to 0.8 ppm.	
						ML				
5										5
								SILT, with Clay and very fine to coarse grained Sand, dark yellowish brown (10YR, 3/6), moist, medium stiff, no cement.		
	100		CT-1@7	0.8	NA					
								End of Boring @ 7 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hollow Stem Auger
SAMPLING METHOD CMSS
BOREHOLE DIAMETER 6 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B-81
DRILLER Tony Garver

BORING CT-2
DATE STARTED 10/27/96
DATE COMPLETED 10/27/96
BORING DEPTH 7.5 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML		Surface is soil with gravel.	PID BACKGROUND: NA SAMPLE TYPE: Ring COMMENTS: PID readings from hole ranged from 0.0 to 0.8 ppm.	
5								SILT, with fine to medium grained Sand, strong brown (7.5YR, 4/4), slightly moist, moderately cemented, trace caliche.		5
				NA	8 12			SILT, with fine to coarse grained Sand, yellowish brown (10YR, 5/6), slightly moist, large clasts of caliche.		
	NA		CT-2 @ 6		15					
								End of Boring @ 7.5 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 4.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivien Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Teo Russo

BORING CT2
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 4 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Gravel Fill	PID BACKGROUND: NA	
	100		CT2 @ 1	0.0	NA	CL		CLAY, with very fine to very coarse grained Sand, trace Silt, slightly moist, stiff, some caliche.	SAMPLE TYPE: Ring	
						SW			COMMENTS: Blind duplicate at 3 ft-bgs. Auger refusal at 4 ft-bgs.	
	NR		CT2 @ 3	0.0	NA			SAND, very fine to very coarse grained, some Silt, trace Pebbles, strong brown (7.5YR, 5/6), well graded, very dense, high cementation (caliche).		
								End of Boring @ 4 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 3.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivian Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Greg Fiol

BORING CT-3
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 7.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Gravel Fill	PID BACKGROUND: NR	
	100		CT-3 @ 1	0.0	NA	SM		Sandy SILT, very fine to coarse grained Sand, dark yellowish brown (10YR, 4/4), slightly moist, medium dense.	SAMPLE TYPE: Ring	
									COMMENTS: None	
						SW				
5										5
	100		CT-3 @ 7.5	0.0	NA			SAND, trace Silt, trace Pebble, strong brown (7.5YR, 5/6), well graded, very dense, high cementation (caliche).		
								End of Boring @ 7.5 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 3.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivien Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Greg Fiol

BORING CT-4
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 7.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Gravel Fill	PID BACKGROUND: 0.0 ppm	
	100		CT-4 @ 1	0.0	NA	SM		Silty SAND, fine to very coarse grained, with Gravel, strong brown (7.5YR, 4/6), slightly moist, medium dense, weak cementation.	SAMPLE TYPE: Ring	
									COMMENTS: None	
5								Silty SAND, fine to very coarse grained, strong brown (7.5YR, 4/6), slightly moist, medium dense, weak cementation.		5
	100		CT-4 @ 7.5	0.0	NA			Silty SAND, fine to very coarse grained, strong brown (7.5YR, 4/6), slightly moist, dense, moderate cementation (caliche).		
								End of Boring @ 7.5 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hollow Stem Auger
SAMPLING METHOD CMSS
BOREHOLE DIAMETER 6 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lere Urizar
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B-61
DRILLER Tony Garver

BORING CT-5
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 7.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML		Asphalt (4")	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: Vivian Cornejo logged to 3 ft-bgs on 10/23/96.	
5										5
	NR		CT-5 @ 6	NR	NR			SILT, with fine to coarse grained Sand, brown (7.5YR, 4/6), slightly moist, moderately cemented.		
								End of Boring @ 7.5 ft-bgs.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 3.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivian Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Gregg Fiol

BORING CT5
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 4 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	NR		CT5 @ 0.85	0.0	NA	ML		Asphalt (4") SILT and Clay, with very fine to coarse grained Sand, trace Pebbles, slightly moist	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: Auger refusal at 4 ft-bgs (caliche).	
								End of Boring @ 4 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 3.6 inches O.D.

PROJECT NO. GA0291.001.004
LOGGED BY Vivien Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Teo Russo

BORING CTDP-1
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 5.5 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	100		CTDP-1 @ 0.5	NR	NA	OH		SILT, trace Clay, very dark gray (3/N3), moist to wet, soft, organic.	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: None	
5	100		CTDP-1 @ 5	NR	NA			SILT, trace Clay, very dark gray (3/N3), moist to wet, soft, organic.		5
								End of Boring @ 5.5 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER NA inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Terry Baker
DRILL CO. NA
RIG TYPE NA
DRILLER James Shamas

BORING CTDP-2
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	100		CTDP-2 @ 1	0.0	NA	CL		CLAY, dark gray with black streaks, organic material.	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: None	
	NR		CTDP-2 @ 5	0.0	NA			Sandy CLAY, fine grained Sand, wet to saturated, no odor, pliable.		
5								End of Boring @ 5 ft.		5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER NA inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Terry Baker
DRILL CO. NA
RIG TYPE NA
DRILLER James Shamas

BORING CTDP-3
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 3 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	NR	\	CTDP-3 @ 3	NR	NA			Organic material and green plants on surface. Gravel (up to 2 cm diameter), with coarse grained Sand, black, wet, organic material, roots and leaves, sulfur smell.	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: None	
								End of Boring @ 3 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILLING METHOD Hand Auger
SAMPLING METHOD Hand Auger
BOREHOLE DIAMETER 3 inches

PROJECT NO. CA0291.001.004
LOGGED BY Tim Granzeier
DRILL CO. NA
RIG TYPE NA
DRILLER James Shames

BORING CTDP-4
DATE STARTED 2/3/97
DATE COMPLETED 2/3/97
BORING DEPTH 0.5 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	NA		CTDP-4 @ 0.5	NR	NA	SW		SAND, medium to very coarse grained, pale yellow to brown to dark brown, moist.	PID BACKGROUND: NA SAMPLE TYPE: Jar COMMENTS: None	
								End of Boring @ 0.5 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Terry Baker
DRILL CO. NA
RIG TYPE NA
DRILLER James Shemas

BORING CT/WS-1a-1b
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 5.18 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	NR		CT/WS-1 @ 1	0.0	NA	ML		Sandy SILT, little fine grained Sand, brown, slightly moist to dry.	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: Refusal at 2 ft-bgs due to concrete. Relocated boring to northwest of outlet pipe. No discolorations or odors.	
5	NR		CT/WS-1 @ 5	0.0	NA			Sandy SILT, little fine grained Sand, brown, slightly moist to dry.		5
								End of Boring @ 5 ft - 2 in.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER NA Inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Terry Baker
DRILL CO. NA
RIG TYPE NA
DRILLER James Shamas

BORING DS-1
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 0.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	NR		DS-1 @ 0.5	0.0	NA	ML		Sandy SILT, brown, dry.		
								End of Boring @ 0.5 ft.	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: No discolorations or odors.	
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 3.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivian Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Greg Fiol

BORING FDI
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Concrete (4")	PID BACKGROUND: 0.0 ppm SAMPLE TYPE: Ring COMMENTS: Auger refusal at 5 ft-bgs due to concrete slab.	
						SM				
	100		FDI @ 4.5	0.0	NA			SAND and SILT, very fine to very coarse grained, some Clay, dark yellowish brown (10YR, 3/4), well graded, slightly moist.		
5								End of Boring @ 5 ft.		5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Slide Hammer Sampler
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizer
DRILL CO. NA
RIG TYPE NA
DRILLER Terry Baker

BORING FFO-1
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 5.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Asphalt (4")	PID BACKGROUND: 0.0 ppm	
	NA		FFO-1 @ 1	NA	NA	SM		Silty SAND, fine grained, dark yellowish brown (10YR, 4/4), slightly moist.	SAMPLE TYPE: Ring	
									COMMENTS:	
								Silty SAND, fine grained, dark yellowish brown (10YR, 4/4), slightly moist, caleche.	Very difficult to drive sampler.	
5										5
								End of Boring @ 5.5 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 4.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivian Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Ted Russo

BORING F01
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 5.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Gravel Fill	PID BACKGROUND: NR	
	100		F01 @ 0.5	NR	NA	SM		SAND, with SILT, dark yellowish brown (10YR, 4/4), well graded, slightly moist, dense.	SAMPLE TYPE: Ring	
									COMMENTS: None	
						SW		SAND, very fine to very coarse grained, dark yellowish brown (10YR, 3/6), moderately graded, slightly moist, no staining.		
5	100		F01 @ 5	0.0	NA					5
								End of Boring @ 5.5 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 3.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivian Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Gregg Fiol

BORING F02
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 3.91 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	100		F02 @ 0.5	0.0	NA	CL		Concrete (6") CLAY, with Silt, trace fine grained Sand, dark olive brown (2.5Y, 3/3), slightly moist, moderate plasticity, stiff, some greenish staining, no odor.	PID BACKGROUND: 0.0 ppm SAMPLE TYPE: Ring COMMENTS: Auger refusal at 3 ft - 11 in. due to slab footing.	
								End of Boring @ 3 ft - 11 in.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Slide Hammer Sampler
BOREHOLE DIAMETER 3.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivien Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Teo Russo

BORING FOP1
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 10.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Gravel Fill	PID BACKGROUND: 0.0 ppm SAMPLE TYPE: Ring COMMENTS: None	
						ML		SILT, with very fine to very coarse grained Sand, strong brown (7.5YR, 4/6), slightly moist.		
						SM				
	100		FOP1 @ 4	0.0	NA			Silty SAND, very fine to very coarse grained, fine Pebbles, strong brown (7.5YR, 4/6), slightly moist, well graded, moderately dense.		5
						SW				
10	100		FOP1 @ 10	0.0	NA			SAND, very fine to very coarse grained, fine Pebbles, little fines, strong brown (7.5YR, 4/6), slightly moist, well graded, moderately dense.		10
								End of Boring @ 10.5 ft.		
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Slide Hammer Sampler
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. NA
RIG TYPE NA
DRILLER Terry Baker

BORING FOT-1
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 10.5 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						SM		Surface soil with gravel and sticks.	PID BACKGROUND: 0.0 ppm SAMPLE TYPE: Ring COMMENTS: None	
								Silty SAND, fine to medium grained, with Gravel, strong brown (7.5YR, 4/4), slightly moist.		
5	NR		FOT-1 @ 5	0.0	NA					5
								Silty SAND, fine to medium grained, with Gravel, strong brown (7.5YR, 4/4), slightly moist.		
								Silty SAND, fine to coarse grained, slightly moist.		
10	NR		FOT-1 @ 10.5	0.0	NA			Silty SAND, fine to medium grained, with Gravel, strong brown (7.5YR, 4/4), slightly moist.		10
								End of Boring @ 10.5 ft.		
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Slide Hammer Sampler
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. NA
RIG TYPE NA
DRILLER Terry Baker

BORING FOT-2
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 10.5 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL	
						SM		Surface gravel with sticks.	PID BACKGROUND: 0.0 – 0.8 ppm SAMPLE TYPE: Ring COMMENTS: None
								Silty SAND, fine to medium grained, with Cobbles, strong brown (7.5YR, 4/6), dry to slightly moist.	
5	NR		FOT-1 @ 5	0.0	NA			Silty SAND, fine to medium grained, trace Gravel, strong brown (7.5YR, 4/6), dry to slightly moist.	
						ML			
10	NR		FOT-1 @ 10.5	0.0	NA			SILT, trace Sand, trace Gravel, dark yellowish brown (10YR, 3/6), slightly moist.	
								End of Boring @ 10.5 ft.	
15									

DEPTH (ft): 5, 10, 15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hollwo Stem Auger
SAMPLING METHOD CMSS
BOREHOLE DIAMETER 6 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B61
DRILLER Tony Garver

BORING HW-1
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 7.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Asphalt (4")	PID BACKGROUND: NA	
						ML		SILT, trace fine grained Sand, strong brown (7.5YR, 4/4), slightly moist.	SAMPLE TYPE: Ring COMMENTS: None	
5										5
					31			SILT, fine grained, strong brown (7.5YR, 4/4), slightly moist, moderately cemented.		
				NR	38					
	NR		HW-1@6		50/4					
								End of Boring @ 7.5 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 4.5 Inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivien Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Teo Russo

BORING HW1
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 3.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	100		HW1 @ 1	0.0	NA	ML		SILT, with Clay, trace very fine grained Sand, dark yellowish brown (10YR, 3/6), slightly moist, medium stiff.	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: Auger refusal at 3.5 ft-bgs.	
								End of Boring @ 3.5 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 3.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivian Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Greg Fiol

BORING LOS-1
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 5.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	100		LOS-1@ 0.5	0.0	NA	SM		Silty SAND, very fine to very coarse grained, with Clay, dark yellowish brown (10YR, 3/4), well graded, dense.	PID BACKGROUND: 0.0 ppm SAMPLE TYPE: Ring COMMENTS: Auger refusal at 4 ft-bgs. Moved boring 5 feet southwest and augered to 5.5 ft-bgs but did not take first sample.	
5	100		LOS-1@ 5	0.0	NA	SW		SAND, trace Silt, dark yellowish brown (10YR, 3/4), well graded, slightly moist, dense.		5
								End of Boring @ 5.5 ft-bgs.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 3.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivien Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Teo Russo

BORING NG1
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 1 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Concrete (4")	PID BACKGROUND: NR	
	100		NG1 @ 0.75	0.0	NA	SM		Sandy SILT, with Clay, dark greenish gray (5GY, 4/1), moist to wet.		
								End of Boring @ 1.0 ft.	SAMPLE TYPE: Ring COMMENTS: Auger refusal at 1 ft-bgs due to concrete slab.	
5										5
10										10

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD None
BOREHOLE DIAMETER 3.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivian Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Teo Russo

BORING OM1
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 9 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Scoured out, not logged to 8 ft-bgs.	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: None	
5						ML				5
	100		OM1 @ 8	0.0	NA			Sandy SILT, very fine to very coarse grained Sand, small to medium Pebbles, dark yellowish brown (10YR, 3/4), slightly moist.		
								End of Boring @ 8 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Terry Baker
DRILL CO. NA
RIG TYPE NA
DRILLER James Shamas

BORING RD-1
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 8 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Asphalt (4") and Cobble Base (1")	PID BACKGROUND: NA SAMPLE TYPE: Ring COMMENTS: Rock obstruction at 4.5 ft-bgs. Changed bore size to 2 inch.	
						ML		Sandy SILT, fine grained Sand, brown, slightly moist to dry.		
	NA		RD-1@ 5	NA	NA					
5										5
								Sandy SILT, fine grained Sand, brown, slightly moist to dry.		
	NA		RD-1@ 8	NA	NA					
								End of Boring @ 8 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Terry Baker
DRILL CO. NA
RIG TYPE NA
DRILLER James Shamas

BORING RD-2
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 1 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	NR		RD-2@1	NR	NA	ML		Sandy SILT, fine grained Sand, some Clay, little black organics, dry.	PID BACKGROUND: NR	
								End of Boring @ 1 ft.	SAMPLE TYPE: Ring COMMENTS: No discoloration or odors.	
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILLING METHOD Hollwo Stem Auger
SAMPLING METHOD CMSS
BOREHOLE DIAMETER 6 inches

PROJECT NO. CA0291.001.004
LOGGED BY David Springer
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B-61
DRILLER Craig/Sabino

BORING RD-3
DATE STARTED 2/3/97
DATE COMPLETED 2/3/97
BORING DEPTH 12 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL	
								Asphalt (8 in.)	PID BACKGROUND: NR
						ML		Sandy SILT, with little Clay, reddish brown, moist, stiff to very stiff, trace caliche.	SAMPLE TYPE: Ring
									COMMENTS: None
5									
	-		-	0.4	37			Clayey SILT, little Sand (15%), moist, stiff, no odor.	
	-		-		50				
	NR		RD-3 @ 8		58				
10									
	-		-	0.5	15			Clayey SILT, increasing Sand, moist, stiff, no odor.	
	-		-		17				
	NR		RD-3 @ 12		22				
								End of Boring @ 12 ft.	
15									

DEPTH (ft)

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILLING METHOD Hand Auger
SAMPLING METHOD CMSS
BOREHOLE DIAMETER 3 inches

PROJECT NO. CA0291.001.004
LOGGED BY Vivian Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Teo Russo

BORING RD-4
DATE STARTED 2/3/97
DATE COMPLETED 2/3/97
BORING DEPTH 12.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Concrete (4 in.) with gravel base	PID BACKGROUND: 0.3 ppm SAMPLE TYPE: Ring COMMENTS: None	
						SM		Silty SAND, very fine to coarse grained, well graded, dark yellowish brown (10YR, 3/4), wet, dense, micaceous.		
5										5
	100		RD-4 @ 8	0.3	NA			Silty SAND, very fine to medium grained, well graded, dark yellowish brown (10YR, 3/4), wet, dense, micaceous.		
10										10
	100		RD-4 @ 12	0.3	NA			Silty SAND, fine to very coarse grained, well graded, with Clay, dark yellowish brown (10YR, 3/4), slightly moist, dense, micaceous.		
								End of Boring @ 12.5 ft.		
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILLING METHOD Hollow Stem Auger
SAMPLING METHOD CMSS
BOREHOLE DIAMETER 6 inches

PROJECT NO. CA0291.001.004
LOGGED BY David Springer
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B-61
DRILLER Craig/Sabino

BORING RD-5
DATE STARTED 2/3/97
DATE COMPLETED 2/3/97
BORING DEPTH 12 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Asphalt (4 in.)	PID BACKGROUND: NA	
						ML		Sandy SILT, little Clay, reddish brown, moist, no odor.	SAMPLE TYPE: Ring	
									COMMENTS: PID power supply problems. No readings taken.	
5										5
	-		-	NA	17			Sandy SILT, little Clay, reddish brown, moist, no odor.		
	-		-		26					
	NR		RD-5 @ 8		33					
10						SM				10
	-		-	NA	12			Silty SAND, medium to very coarse grained, moist, medium dense, trace caliche and mica, no odor.		
	-		-		17					
	NR		RD-5 @ 12		21					
								End of Boring @ 12 ft.		
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hollow Stem Auger
SAMPLING METHOD CMSS
BOREHOLE DIAMETER 6 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B-53
DRILLER Leonel Androde

BORING RP-1
DATE STARTED 11/1/96
DATE COMPLETED 11/1/96
BORING DEPTH 15 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML		Surface is soil with gravel.	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS:	
								SILT, with fine grained Sand, brown (10YR, 4/3), slightly moist.		
5						SW				5
					10			SAND, fine to coarse grained, trace Silt, dark yellowish brown (10YR, 4/4), slightly moist, trace white mineral (caliche).		
				NR	16					
	100		RP-1@ 8		8					
10										10
						SM				
					8			Silty SAND, fine grained, yellowish brown (10YR, 4/4), slightly moist, caliche prevalent, white precipate.	Drill team did not place rings in sampler. No sample taken at 12 ft-bgs.	
	NR		NA	NR	14					
					22					
					14			Silty SAND, fine grained, yellowish brown (10YR, 4/4), slightly moist, caliche prevalent, white precipate.		
				NR	18					
	65		RP-1@ 13.5		28					
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Slide Hammer
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Terry Baker
DRILL CO. NA
RIG TYPE NA
DRILLER James Shemas

BORING SA-1
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 5.33 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Ashpalt road base.	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: No discolorations or odors.	
	NR		SA-1@1	0.0	NA	ML		SILT with Sand, brown, slightly moist.		
5	NR		SA-1@5	0.0	NA			Sandy SILT, fine grained, yellowish brown, slightly moist.		5
								End of Boring @ 5 ft – 4 in.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
METHOD Hollow Stem Auger
SAMPLING METHOD Cal. Modified Split Spoon
BOREHOLE DIAMETER 6 inches

PROJECT NO. CA0291.001.004
LOGGED BY David Springer/Tim Granzeier
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B-61
DRILLER Craig/Sabino

BORING SP-1
DATE STARTED 2/3/97
DATE COMPLETED 2/3/97
BORING DEPTH 60 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML			PID BACKGROUND: NA SAMPLE TYPE: Ring COMMENTS: Logged from cuttings and from samples collected.	
5								SILT, little very fine grained Sand, reddish brown (2.5YR, 5/4), damp, loose, no odor.		5
10								SILT, little very fine grained Sand, reddish brown (2.5YR, 5/4), damp, loose, no odor.		10
15										15
20								Sandy SILT, increasing Sand content, trace coarse grained, slightly moist.		20

GERAGHTY & MILLER, INC.

BORING LOG

(continuation)

PROJECT SCE PROJECT NO CA0281.001.004 BORING NO. SP-1

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML		Sandy SILT, increasing Sand content, trace coarse grained, slightly moist.		
25						ML CL				25
30								Sandy SILT and CLAY, dry to slightly damp, very stiff to hard, no odor, plastic upon water addition.		30
35										35
40										40

GERAGHTY & MILLER, INC.

BORING LOG

(continuation)

PROJECT SCE PROJECT NO CA0291.001.004 BORING NO. SP-1

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML CL		Sandy SILT and CLAY.		
45						SM		Silty SAND.		45
50						SW GW				50
	-		-		41			Gravelly SAND, medium to coarse grained, moist, dense, no odor, weathered rock fragments.		
	-		-	NR	50					
55	NR		SP-1 @ 55		50					55
						GW		Gravelly SAND, well graded, moist to slightly moist, transitioning to a fine grained Sand with Silt at 59.5 feet bgs.		
	-		-		17					
	-		-	NR	22					
60	NR		SP-1 @ 60		26					60
								End of Boring @ 60 ft.		

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
METHOD Hollow Stem Auger
SAMPLING METHOD Cal. Modified Split Spoon
BOREHOLE DIAMETER 6 inches

PROJECT NO. CA0291.001.004
LOGGED BY David Springer
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B-61
DRILLER Craig/Sabino

BORING SP-2
DATE STARTED 2/3/97
DATE COMPLETED 2/3/97
BORING DEPTH 54.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML		Gravel (0 to 3 in.)	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: * PID readings measured from ziplok baggies.	
5								Sandy SILT, fine to coarse grained, reddish brown, moist, no odor.		5
	-		-		16			Sandy SILT, trace coarse grained Sand, reddish brown, slightly moist, stiff to very stiff, trace caliche, no odor, micaceous.		
	-		-	0	33					
10	100		SP-2 @ 10		38					10
15										15
	-		-		14			Sandy SILT, little coarse grained Sand, increasing fine grained Sand, reddish brown, moist, stiff to very stiff, trace caliche, no odor, micaceous.		
	-		-	0	20					
20	100		SP-2 @ 20		26					20

GERAGHTY & MILLER, INC.

BORING LOG

(continuation)

PROJECT SCE PROJECT NO CA0201.001.004 BORING NO. SP-2

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML				
25						SM				25
	-		-		22			Silty SAND, fine to medium grained, trace local Clay, moist, micaceous, no odor.		
	-		-	0	25					
30	100		SP-2 @ 30		30					30
35										35
						ML				
	-		-	0	16			Sandy SILT, fine grained, trace coarse grained Sand, little Clay, trace Pebbles, reddish brown, slightly moist, no odor.		
	-		-		20					
40	100		SP-2 @ 40	0.7*	26					40

GERAGHTY & MILLER, INC.

BORING LOG

(continuation)

SCE PROJECT NO CA0281.001.004 BORING NO. SP-2

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML				
45						SP				45
	-		-	0	27			SAND, fine grained, poorly sorted, moist, no odor, micaceous.		
	-		-		30					
	100		SP-2 @ 50	0.4*	38					
50						SW		Gravelly SAND, abundant weathered rock fragments.		50
	-		-	0	37			Gravelly SAND, trace Silt, well graded, moist to very moist, no odor, micaceous.		
	66		SP-2 @ 54.5		80					
55								End of Boring @ 54.5 ft.		55
60										60

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 3.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Vivian Cornejo
DRILL CO. NA
RIG TYPE NA
DRILLER Teo Russo

BORING SRFP-1
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 3.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Asphalt (4")	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: None	
	100		SRFP-1 @ 0.85	0.0	NA	SM		SILT and SAND, very fine to very coarse grained, trace Pebbles, dark yellowish brown (10YR, 3/6), moderately graded, slightly moist.		
								SILT and SAND, very fine to very coarse grained, trace Pebbles, dark yellowish brown (10YR, 3/6), moderately graded, slightly moist.		
	100		SRFP-1 @ 3	0.0	NA					
								End of Boring @ 3.5 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 4.5 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY David Springer
DRILL CO. NA
RIG TYPE NA
DRILLER Teo Russo

BORING SRFP-2
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 3 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
								Asphalt (4")	PID BACKGROUND: 0.0 ppm	
	NR		SRFP-2 @ .85	1.6	NA	ML		Clayey SILT, trace coarse grained Sand, some very fine to fine grained Sand, light brown, moist, no odor.	SAMPLE TYPE: Ring	
								Clayey SILT, some very fine to fine grained Sand, light brown.	COMMENTS: Condensate in sample bag may have affected PID readings.	
	NR		SRFP-2 @ 3	2.5	NA					
								End of Boring @ 3 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD Slide Hammer Sampler
BOREHOLE DIAMETER 2 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. NA
RIG TYPE NA
DRILLER Terry Baker

BORING SRFP-3
DATE STARTED 10/23/96
DATE COMPLETED 10/23/96
BORING DEPTH 6 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						SM		Surface is soil with Gravel.	PID BACKGROUND: 0.0 ppm	
	NA		SRFP-3 @ 1	NA	NA			Silty SAND, fine grained, dark yellowish brown (10YR, 4/4), slightly moist.	SAMPLE TYPE: Ring	
									COMMENTS: None	
						ML				
	NA		SRFP-3 @ 3.5	NA	NA			Silt with fine grained Sand, dark yellowish brown (10YR, 4/4), slightly moist.		
	NA		SRFP-3 @ 4	NA	NA					
5										5
								End of Boring @ 8 ft.		
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hand Auger
SAMPLING METHOD NA
BOREHOLE DIAMETER 3.5 Inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY David Springer
DRILL CO. NA
RIG TYPE NA
DRILLER James Shamas

BORING SRFP-4
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 3 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
	100		SRFP-4 @ 0.5	NR	NA	ML		Sandy SILT, very fine to fine grained Sand, some Clay, reddish brown, moist, soft.	PID BACKGROUND: NR SAMPLE TYPE: Ring COMMENTS: None	
	100		SRFP-4 @ 3	NR	NA			Sandy SILT, very fine to fine grained Sand, some Clay, reddish brown, moist, soft.		
								End of Boring @ 3 ft.		
5										5
10										10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hollow Stem Auger
SAMPLING METHOD CMSS
BOREHOLE DIAMETER 6 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B-61
DRILLER Tony Garver

BORING SS-1
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 21.5 ft.

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML		Surface soil with gravel.	PID BACKGROUND: NR	
								SILT, trace fine grained Sand, dark reddish brown (5YR, 3/4), slightly moist.	SAMPLE TYPE: Ring	
									COMMENTS: None	
5					9			SILT, with fine grained Sand, dark reddish brown (5YR, 3/4), slightly moist, trace caliche.		5
				NR	26					
	100		SS-1@5		40					
10								SILT, with fine grained Sand, dark reddish brown (5YR, 3/4), slightly moist, trace caliche.		10
15										15

GERAGHTY & MILLER, INC.

BORING LOG

(continuation)

PROJECT SCE PROJECT NO CA0281.001.004 BORING NO. SS-1

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
				NR	23	ML		SILT, with fine grained Sand, yellowish red (5YR, 4/4), slightly moist, stiff, moderately cemented, caliche prevalent in horizons in 3 sleeves.		
					30					
	85		SS-1 @ 15		45					
20				NR	21			SILT, with fine grained Sand, yellowish red (5YR, 4/4), slightly moist, stiff, moderately cemented, caliche prevalent in horizons in 3 sleeves.		20
					28					
	NR		SS-1 @ 20		37					
								End of Boring @ 21.5 ft.		
25										25
30										30

GERAGHTY & MILLER, INC.

BORING LOG

PROJECT SCE
LOCATION Highgrove, Ca
DRILL METHOD Hollow Stem Auger
SAMPLING METHOD CMSS
BOREHOLE DIAMETER 6 inches O.D.

PROJECT NO. CA0291.001.004
LOGGED BY Lara Urizar
DRILL CO. Gregg Drilling and Testing, Inc.
RIG TYPE B-61
DRILLER Tony Gerver

BORING SS-2
DATE STARTED 10/24/96
DATE COMPLETED 10/24/96
BORING DEPTH 21.5 ft.

DEPTH (ft)	RECOVERY %	SAMP.INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
						ML		Surface soil with gravel.	PID BACKGROUND: NA	
								SILT, trace fine grained Sand, dark reddish brown (5YR, 3/4), slightly moist.	SAMPLE TYPE: Ring COMMENTS:	
5										5
					14			SILT, trace fine grained Sand, dark reddish brown (5YR, 3/4), slightly moist, slightly compacted, trace white mineral (caliche).		
				NA	18					
	100		SS-2 @ 5		30					
						SM				
10								Silty SAND, fine to coarse grained, dark reddish brown (5YR, 3/4), slightly moist.	No sample, logged soil from cuttings.	10
						ML				
									Drillers comment that the soil became hard at 14 ft-bgs.	
15										15

GERAGHTY & MILLER, INC.

BORING LOG

(continuation)

PROJECT SCE PROJECT NO CA0291.001.004 BORING NO. SS-2

DEPTH (ft)	RECOVERY %	SAMP. INTERVAL	SAMPLE NO.	PID (ppm)	BLOWS/6 in.	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION OF MATERIAL		DEPTH (ft)
				NR	28 38 50/4	ML		SILT, with fine grained Sand, dark reddish brown (5YR, 3/4), slightly moist, moderately cemented, slightly compacted, trace calcite.		
	85		SS-2 @ 15							
20				NR	28 38 50			SILT, with fine grained Sand, dark reddish brown (5YR, 3/4), slightly moist, moderately cemented, slightly compacted, trace calcite.		20
	100		SS-2 @ 20							
								End of Boring @ 21.5 ft.		
25										25
30										30

APPENDIX C

Sample Location Control Data

Appendix C

Sample Location Control Data
Highgrove Generating Station

Soil Boring ID	Sample Location Description
Underground Storage Tanks	
FD-1	7 feet north and 4 feet east of northwestern corner of condenser for Turbo Generator #4.
Aboveground Storage Tanks	
FOT-1	11 feet east of northeastern corner of Fuel Oil Pump House.
FOT-2	11 feet north of northeastern corner of Fuel Oil Pump House.
FFO-1	80 feet south of southern side of Fuel Oil Pump House, 4 feet west of eastern side of road.
FO-1	5 feet south-southwest (radially) of #2 Light Oil Tank.
FO-2	1 foot west of northwestern corner of Pipe Vault.
LOS-1	5 feet east (radially) of Sump Monitoring.
SA-1	1 foot southeast of southeastern corner of Sulfuric Acid Tank.
A/C-1	4 feet east of northeastern corner of Demineralizer Sump.
Cooling Towers	
CT-1	15 feet north of center of northern side of Cooling Tower #4 pump basin.
CT-2	8 feet east-northeast of southeastern corner of Cooling Tower #4.
CT-3	12 feet north and 62 feet west of northeastern corner of Cooling Tower #4.
CT-4	20 feet south and 10 feet east of southwestern corner of Cooling Tower #1.
CT-5	7 feet north and 23 feet west of the northeastern corner of Cooling Tower #1.
Plant Wastewater Discharge/Surface Water Discharge	
CTDP-1	5 feet north of Culvert Outfall to Cage Park.
CTDP-2	20 feet north-northwest of end of Cooling Tower water influent outfall.
CTDP-3	30 feet west of bridge at influent point of drainage ditch to Discharge Pond.
CTDP-4	On edge of Discharge Pond, approximately 20 feet west of CTDP-3.

Appendix C

Sample Location Control Data
Highgrove Generating Station

Soil Boring ID	Sample Location Description
Pipelines	
OM-1	1 foot north of northern side of outfall for Manhole #6.
FOP-1	8 feet north-northeast of intersection of railroad tracks and pipeline.
RP-1	13 feet north of northern Switchrack fence and 15 feet west of Floor Drain Retention Basin - West Basin.
Septic Tank and Seepage Pits	
SS-1	20 feet south-southeast of southeastern corner of eastern Retention Basin.
SS-2	40 feet east-northeast of northeastern corner of eastern Retention Basin.
SP-1	55 feet west of the northwest corner of the eastern Retention Basin.
SP-2	72 feet west and 17 feet south of the northwest corner of the eastern Retention Basin.
Hardinge Filter Water Processor Area	
CT/WS-1	5 feet south of eastern end of pipe on eastern side of Cooling Tower Water/Sludge Plant.
CT/WSB-1	4 feet south and 1 foot west of eastern end of pipe on eastern side of Cooling Tower Water/Sludge Plant.
Switchyard Perimeter	
B/EB-1	2 feet south-southwest (radially) of Floor Drain.
SRFP-1	30 feet west-southwest of the southwestern corner of #4 Condenser and 6 feet east of eastern Switchrack fence.
SRFP-2	30 feet south-southwest of #2 Condenser and 8 feet east of eastern Switchrack fence.
SRFP-3	18 feet north of northern Switchrack fence and 18 feet east of western border fence.
SRFP-4	296 feet north of southern Switchrack fence and 4 feet east of western border fence.
Research and Development Area	
RD-1	25 feet west of center of western side of Wood Gasification Plant and 2 feet east of sump covers.
RD-2	2 feet west-northwest of Oil Tanks Pen.
RD-3	2 feet north of RD-1.
RD-4	3 feet south of center of southern edge of sump structure near RD-1.
RD-5	12 feet east and 5 feet north of RD-1.