

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

August 12, 2009

ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL PROTECTION  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577  
(510) 567-6700  
FAX (510) 337-9335

Robert Newman  
EBMUD  
375 11<sup>th</sup> St MS 704  
Oakland CA, 94607

Subject: Fuel Leak Case No. RO0002979 and GeoTracker Global ID T0600100662, East Bay Municipal Utility District Water Pollution Control Plant, 2020 Wake Avenue, Oakland, California

Dear Mr. Newman:

This letter transmits the enclosed underground storage tank (UST) case closure letter in accordance with Chapter 6.75 (Article 4, Section 25299.37[h]). The State Water Resources Control Board adopted this letter on February 20, 1997. As of March 1, 1997, the Alameda County Environmental Health (ACEH) is required to use this case closure letter for all UST leak sites. We are also transmitting to you the enclosed case closure summary. These documents confirm the completion of the investigation and cleanup of the reported release at the subject site. The subject fuel leak case is closed.

SITE INVESTIGATION AND CLEANUP SUMMARY

Please be advised that the following conditions exist at the site:

- Residual pollution remaining in soil beneath the site includes total oil and grease at a concentration of 110 mg/kg.
- Maximum concentrations of total oil and grease at a concentration up to 45,000 µg/L remains in groundwater beneath the site.

If you have any questions, please call Paresh Khatri at (510) 777-2478. Thank you.

Sincerely,

Donna L. Drogos, P.E.  
LOP and Toxics Program Manager

Enclosures:

1. Remedial Action Completion Certificate
2. Case Closure Summary

cc:

Ms. Cherie McCaulou (w/enc)  
SF- Regional Water Quality Control Board  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Closure Unit (w/enc)  
State Water Resources Control Board  
UST Cleanup Fund  
P.O. Box 944212  
Sacramento, CA 94244-2120

Paresh Khatri (w/orig enc), D. Drogos (w/enc)

ALAMEDA COUNTY  
HEALTH CARE SERVICES



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DAVID J. KEARS, Agency Director

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Oakland CA, 94607

**REMEDIAL ACTION COMPLETION CERTIFICATE**

Subject: Fuel Leak Case No. RO0002979 and GeoTracker Global ID T0600100662, East Bay Municipal Utility District Water Pollution Control Plant, 2020 Wake Avenue, Oakland, California

Dear Mr. Newman:

This letter confirms the completion of a site investigation and remedial action for the underground storage tanks formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

  
Ariu Levi  
Director  
Alameda County Environmental Health

**CASE CLOSURE SUMMARY  
LEAKING UNDERGROUND FUEL STORAGE TANK - LOCAL OVERSIGHT PROGRAM**

**I. AGENCY INFORMATION**

Date: September 29, 2008

Agency Name: Alameda County Environmental Health	Address: 1131 Harbor Bay Parkway
City/State/Zip: Alameda, CA 94502-6577	Phone: (510) 777-2478
Responsible Staff Person: Paresh Khatri	Title: Hazardous Materials Specialist

**II. CASE INFORMATION**

Site Facility Name: East Bay Municipal Utility District Water Pollution Control Plant		
Site Facility Address: 2020 Wake Avenue, Oakland, California		
RB Case No.: 01-0718	Local Case No.: --	LOP Case No.: RO0002979
URF Filing Date: 11/23/1993	Global ID No.: T0600100662	APN: O-305-2-3
Responsible Parties	Addresses	Phone Numbers
Robert Newman Senior Environmental Health and Safety Specialist	375 11 <sup>th</sup> St MS 704 Oakland CA, 94607	(510) 287-0509

Tank I.D. No	Size in Gallons	Contents	Closed In Place/Removed?	Date
1	1x2,000-gallon	Slop oil	Removed	11/17/1992
2	1x15,000-gallon	Diesel	Removed	03/1993
Piping			Removed	11/17/1992

**III. RELEASE AND SITE CHARACTERIZATION INFORMATION**

Cause and Type of Release: Broken pipe during Slop Oil UST removal, Unknown for Diesel UST		
Site characterization complete? Yes	Date Approved By Oversight Agency: --	
Monitoring wells installed? Yes	Number: 3	Proper screened interval? Yes
Highest GW Depth Below Ground Surface: 14.5 ft bgs (PGS-01, 6/30/1993)	Lowest Depth: 14.5 ft bgs (PGS-01, 6/30/1993)	Flow Direction: Assumed West to Northwesterly
Most Sensitive Current Use: Potential drinking water source.		

Summary of Production Wells in Vicinity: A well survey was not conducted at this site. Non-detect concentrations of contaminants have been reported in site groundwater monitoring wells. Considering the non-migratory residual concentrations of dissolved phase petroleum hydrocarbons in the groundwater that is confined to the primary source areas at the Site, no water wells, deeper drinking water aquifers, surface water or other sensitive receptors are likely to be impacted.

Are drinking water wells affected? No	Aquifer Name: East Bay Plain Groundwater Basin
Is surface water affected? No	Nearest SW Name: San Francisco Bay is approximately 250 feet west of the site.
Off-Site Beneficial Use Impacts (Addresses/Locations): None	
Reports on file? Yes	Where are reports filed? Alameda County Environmental Health & Oakland Fire Department, Fire Prevention Bureau

TREATMENT AND DISPOSAL OF AFFECTED MATERIAL			
Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	One 2,000-gallon One 15,000-gallon	Disposal to Erickson, Inc. 255 Parr Blvd., Richmond, CA 94801 / Unknown Location	11/17/1992 / 03/1993
Piping	Unknown	Disposal to Erickson, Inc./ unknown location	11/17/1992 / 03/1993
Free Product	NA	---	---
Soil	---	---	---
Groundwater	1,000-gallons	Disposed to Gibson Oil 475 Seaport Blvd., Redwood City, CA 94604	11/18/1992

**MAXIMUM DOCUMENTED CONTAMINANT CONCENTRATIONS BEFORE AND AFTER CLEANUP**

(Please see Attachments for additional information on contaminant locations and concentrations)

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	<1.0 (SOP-P4, 11/17/1992)	<1.0 (SOP-P4, 11/17/1992)	<50 (SOP-GW, 11/23/1992)	<200 (PGS-01, 09/01/1993)
TPH (Diesel)	<1.0 (SOP-P4, 11/17/1992)	<1.0 (SOP-P4, 11/17/1992)	<50 (SOP-GW, 11/23/1992)	<200 (PGS-01, 09/01/1993)
TPH (Motor Oil)	Not Analyzed	Not Analyzed	Not Analyzed	Not Analyzed
TOG	110 (SOP-P4, 11/17/1992)	110 (SOP-P4, 11/17/1992)	45,000 (SOP-GW, 11/23/1992)	45,000 (SOP-GW, 11/23/1992)
Benzene	<0.005 (SOP-P4, 11/17/1992)	<0.005 (SOP-P4, 11/17/1992)	<0.5 (SOP-GW, 11/23/1992)	<0.2 (PGS-01, 09/01/1993)
Toluene	<0.005 (SOP-P4, 11/17/1992)	<0.005 (SOP-P4, 11/17/1992)	<0.5 (SOP-GW, 11/23/1992)	<0.2 (PGS-01, 09/01/1993)
Ethylbenzene	<0.005 (SOP-P4, 11/17/1992)	<0.005 (SOP-P4, 11/17/1992)	<0.5 (SOP-GW, 11/23/1992)	<0.2 (PGS-01, 09/01/1993)
Xylenes	<0.005 (SOP-P4, 11/17/1992)	<0.005 (SOP-P4, 11/17/1992)	<1.5 (SOP-GW, 11/23/1992)	<0.2 (PGS-01, 09/01/1993)
MTBE	Not Analyzed <sup>5</sup>	Not Analyzed <sup>4</sup>	Not Analyzed <sup>3</sup>	Not Analyzed <sup>2</sup>
Lead	47 <sup>1</sup> (SOP-P4, 11/17/1992)	47 <sup>1</sup> (SOP-P4, 11/17/1992)	Not Analyzed	Not Analyzed
Naphthalene	Not Analyzed	Not Analyzed	Not Analyzed	<1.0 (PGS-02, 02/19/1993)

NA Not Analyzed

<sup>1</sup> All other Pb concentrations on-site ranged from 19 to 47 mg/kg.

<sup>2</sup> Other VOCs (groundwater µg/L after cleanup): NA µg/L MtBE, NA µg/L TBA, NA µg/L DIPE, NA µg/L ETBE, NA µg/L TAME, <0.9 µg/L EDB, <1.0 µg/L 1,2-DCA, NA µg/L EtOH

<sup>3</sup> Other VOCs (groundwater ppb before cleanup): NA µg/L MtBE, NA µg/L TBA, NA µg/L TAME, <NA µg/L ETBE, NA µg/L DIPE

<sup>4</sup> Other VOCs (Soil mg/kg after cleanup): NA mg/kg TBA, NA mg/kg DIPE, NA mg/kg ETBE, NA mg/kg TAME, NA mg/kg EtOH

<sup>5</sup> Other VOCs (Soil mg/kg before cleanup): NA mg/kg MtBE, NA mg/kg TBA, NA mg/kg TAME, NA mg/kg DIPE, NA mg/kg EtOH

**Site History and Description of Corrective Actions:**

East Bay Municipal Utility District owned and operated two single-walled underground storage tanks consisting of one 2,000-gallon fiberglass slop oil UST and one 15,000-gallon diesel UST at the Water Pollution Control Plant Power Generation Station located at 2020 Wake Avenue in Oakland, California. Three groundwater monitoring wells were originally installed in 1988 to monitor UST integrity.

On November 17, 1992, one 2,000-gallon slop oil UST was excavated and removed from the site. The UST was transported under Hazardous Waste Manifest #92201999 to Erickson, Inc. in Richmond, California. During the shoring operation, one of the sheet piles hit and broke a pipe and fitting that was connected to the tank, which had not been removed. Due to the broken water line that was not shown on the plans, the UST filled up with water, which raised the residual product in the tank to the top and subsequently overflowed into the excavation pit. Also during the UST removal, the tank split in two releasing approximately 30 gallons of residual product into the excavation. A vacuum truck operation was set up to remove the majority of the sludge from the pit. A dewatering system was then set up and the water from the broken water line and additional sludge not removed by the vacuum truck was contained in a temporary tank to allow separation of sludge and water for subsequent disposal.

Four soil samples were collected and analyzed for TPH-g, TPH-d, TOG, BTEX, and VOCs following the UST removal. TPH-g, TPH-d, BTEX, or VOCs were not detected above the laboratory detection limits of <1.0 mg/kg, <1.0 mg/kg, <0.005 mg/kg, and <0.005 mg/kg, respectively. However, TOG and lead were detected at 110 mg/kg and 47 mg/kg, respectively, in soil sample SOP-P4. According to the US EPA, complex combinations of hydrocarbons are recovered in a dilute

solution from a wastewater treatment plant. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C12. Therefore, the gasoline range analysis appears appropriate for the slop oil UST.

One groundwater sample SOP-GW was collected from the UST pit. TPH-g, TPH-d, BTEX, VOCs, and metals were not detected above the laboratory detection limits of <50 µg/L TPH-g, <50 µg/L TPH-d, <0.5 µg/L BTEX, and <0.5 µg/L VOCs. However, TOG was detected at 45,000 µg/L. This concentration can most likely be attributed to the release of the residual product during the slop oil UST removal.

In March 1993, monitoring wells PGS-02 and PGS-03 were decommissioned in preparation for the 15,000-gallon diesel UST removal. No additional information regarding this UST removal was available at ACEH or EBMUD. As discussed above, three groundwater monitoring wells were installed as part of tank integrity monitoring. One monitoring well PGS-01 is located approximately 10 feet in the presumed down-gradient direction of the former slop oil UST and was sampled quarterly for one year to verify groundwater impact. No detectable concentrations of TPH-g, TPH-d, or BTEX have been found in any of the samples collected from the three wells from January 1988 to March 1993 indicating that a significant release of slop oil or diesel fuel has not occurred at the site.

To facilitate power generation station expansion, monitoring well PGS-01 will be decommissioned within a few weeks.

#### IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Yes		
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Yes		
Does corrective action protect public health for current land use? Alameda County Environmental Health staff does not make specific determinations concerning public health risk. However, based upon the information available in our files to date, it does not appear that the release would present a significant risk to human health based upon current land use and conditions.		
Site Management Requirements: City of Oakland Building Department has been notified that should excavation or development of the property be proposed that may encounter impacted soil or groundwater, Alameda County Environmental Health must be notified as required by Government Code Section 65850.2.2. The current property owner/developer must submit a soil and groundwater management plan for review prior to any construction activities. Please note that case closure for the fuel leak site is granted for commercial land use. If a change in land use to residential or other conservative scenario occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluated.		
Should corrective action be reviewed if land use changes? Yes		
Was a deed restriction or deed notification filed? No		Date Recorded: --
Monitoring Wells Decommissioned: No	Number Decommissioned: 2	Number Retained: 1
List Enforcement Actions Taken: None		
List Enforcement Actions Rescinded: --		

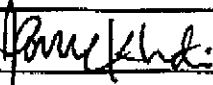

#### V. ADDITIONAL COMMENTS, DATA, ETC.

<p>Considerations and/or Variances:</p> <p>Currently, residual soil contamination of TOG at concentrations of 110 mg/kg was left in place in the former slop oil UST pit. The residual contamination does not appear to pose a significant risk to the current commercial use of the site or to groundwater resources in the area. Additionally, groundwater sample analytical results, did not detect TPH-g, TPH-d, BTEX, or VOCs above the Residential Land-use Groundwater Screening Levels with the exception of 45,000 µg/L TOG.</p> <p>Residual concentrations of TOG were detected in a grab groundwater sample collected from the slop oil tank pit at a concentration of up to 45,000 µg/L, which exceeds the ESLs where groundwater is a potential drinking water source. The concentrations of TOG are expected to decrease over time as a result of biodegradation and natural attenuation processes. Please note that EDB and EDC were not analyzed in soil, but were below laboratory detection limits in groundwater.</p>
--

**Conclusion:**


Alameda County Environmental Health staff consider that the levels of residual contamination do not pose a significant threat to water resources, public health and safety, and the environment based upon the information available in our files to date. No further investigation or cleanup is necessary. ACEH staff recommend case closure for this site based on the current commercial use of the site. If a change in land use to residential or other conservative scenario occurs at this property, Alameda County Environmental Health must be notified and the case needs to be re-evaluate.

**VI. LOCAL AGENCY REPRESENTATIVE DATA**

Prepared by: Paresh Khatri	Title: Hazardous Materials Specialist
Signature: 	Date: September 17, 2008
Approved by: Donna L. Drogos, P.E.	Title: Supervising Hazardous Materials Specialist
Signature: 	Date: 09/23/08

This closure approval is based upon the available information and with the provision that the information provided to this agency was accurate and representative of site conditions.

**VII. REGIONAL BOARD NOTIFICATION**

Regional Board Staff Name: Cherie McCaulou	Title: Engineering Geologist
RB Response: Concur, based solely upon information contained in this case closure summary.	Date Submitted to RB:
Signature: 	Date: 1/16/09

**VIII. MONITORING WELL DECOMMISSIONING**

Date Requested by ACEH:	Date of Well Decommissioning Report:	
All Monitoring Wells Decommissioned:	Number Decommissioned:	Number Retained:
Reason Wells Retained: No monitoring wells installed or retained.		
Additional requirements for submittal of groundwater data from retained wells: None		
ACEH Concurrence - Signature:		Date:

**Attachments:**

1. Tables 1 & 2 (Comparison of residual contamination to applicable ESLs).
2. Site Vicinity Map.
3. UST and Monitoring Well Location Map.
4. Soil & GW Analyses Data from UST Removal.
5. 2<sup>nd</sup> & 3<sup>rd</sup> Quarter 1993 Groundwater Monitoring Data.

This document and the related CASE CLOSURE LETTER & REMEDIAL ACTION COMPLETION CERTIFICATE shall be retained by the lead agency as part of the official site file.

**Environmental Impacts in Soil**  
**EBMUD Pump Station**  
**2020 Wake Avenue, Oakland, California**

**Table 1. Comparison of Maximum Residual Soil Concentrations at the Site to Relevant Cleanup Standards (mg/kg)**

	TPH-g (mg/kg)	TPH-d (mg/kg)	TOG <sup>4</sup> (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl Benzene (mg/kg)	Xylenes (mg/kg)	MtBE (mg/kg)	Naphthalene (mg/kg)
<b>Maximum Residual Soil Concentrations at Site in milligrams per kilogram</b>	<1.0	<1.0	110	<0.005	<0.005	<0.005	<0.005	NA	NA
RWQCB, Region 2 ESLs <sup>1</sup>	83 <sup>3</sup>	83 <sup>3</sup>	370 <sup>2</sup>	0.044 <sup>3</sup>	2.9 <sup>3</sup>	2.3 <sup>2</sup>	2.3 <sup>3</sup>	0.023 <sup>3</sup>	1.3 <sup>2</sup>

NA: Not Analyzed

<sup>1</sup> Environmental Screening Levels (ESLs); Shallow Soil Screening Level for residential land use where potentially impacted groundwater is current or potential drinking water resource. Shallow soils defined as soils situated <3 meters below the ground surface.

<sup>2</sup> Lowest ESL value based on direct exposure scenario.

<sup>3</sup> Lowest ESL value based on groundwater protection (soil leaching).

<sup>4</sup> Total Oil and Grease ESL value is based on TPH (Residual Fuels).



**Environmental Impacts in Groundwater**  
**EBMUD Pump Station**  
 2020 Wake Avenue, Oakland, California

**Table 2. Comparison of Maximum Residual Groundwater Concentrations at the Site to Relevant Cleanup Standards (µg/L)**

	TPH-g (µg/L)	TPH-d (µg/L)	TOG <sup>7</sup> (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Xylenes (µg/L)	MTBE (µg/L)	Naphthalene (µg/L)
<b>Maximum Residual Groundwater Concentrations at Site</b>	<b>&lt;200</b>	<b>&lt;200</b>	<b>&lt;45,000</b>	<b>&lt;0.2</b>	<b>&lt;0.2</b>	<b>&lt;0.2</b>	<b>&lt;0.2</b>	<b>NA</b>	<b>&lt;1.0</b>
RWQCB Region 2 ESLs <sup>2</sup>	100 <sup>1</sup>	100 <sup>1</sup>	100 <sup>1</sup>	1.0 <sup>1</sup>	40 <sup>1</sup>	30 <sup>1</sup>	20 <sup>1</sup>	5 <sup>1</sup>	17 <sup>1</sup>
	100 <sup>2</sup>	100 <sup>2</sup>	100 <sup>2</sup>	170 <sup>2</sup>	40 <sup>2</sup>	30 <sup>2</sup>	20 <sup>2</sup>	5 <sup>2</sup>	21 <sup>2</sup>
	210 <sup>3</sup>	210 <sup>3</sup>	210 <sup>3</sup>	1.0 <sup>3</sup>	150 <sup>3</sup>	300 <sup>3</sup>	1,800 <sup>3</sup>	13 <sup>3</sup>	17 <sup>3</sup>
	210 <sup>4</sup>	210 <sup>4</sup>	210 <sup>4</sup>	540 <sup>4</sup>	380,000 <sup>4</sup>	170,000 <sup>4</sup>	160,000 <sup>4</sup>	24,000 <sup>4</sup>	3,200 <sup>4</sup>
	210 <sup>6</sup>	210 <sup>6</sup>	210 <sup>6</sup>	46 <sup>6</sup>	130 <sup>6</sup>	43 <sup>6</sup>	100 <sup>6</sup>	8,000 <sup>6</sup>	24 <sup>6</sup>
ASTM Tier 1 Standard Human Health RBSL (Benzene)	--	--	--	11,000 <sup>4</sup> 23.8 <sup>5</sup>	32,800	77,500	--	--	--

<sup>1</sup> Environmental Screening Levels (ESLs) for impacted subsurface groundwater less than 10 feet, where groundwater IS a current or potential drinking water resource

<sup>2</sup> Final Groundwater Screening Level, based on ceiling value (taste and odor threshold)

<sup>3</sup> Groundwater Screening Level, based on drinking water toxicity

<sup>4</sup> Groundwater Volatilization to indoor air (residential) Level

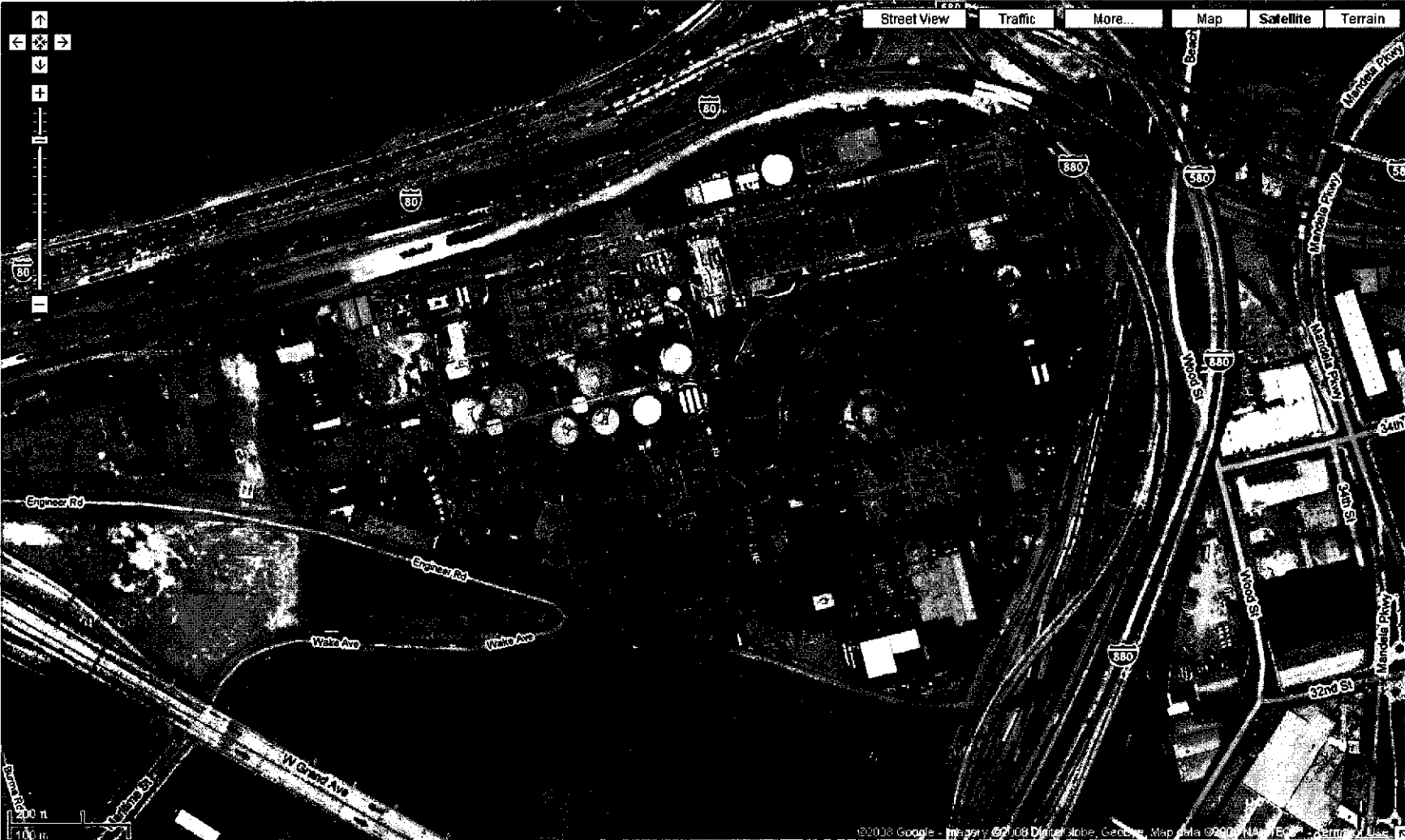
<sup>5</sup> Groundwater Vapor Intrusion from groundwater to buildings (residential, chronic hazard quotient = 1)

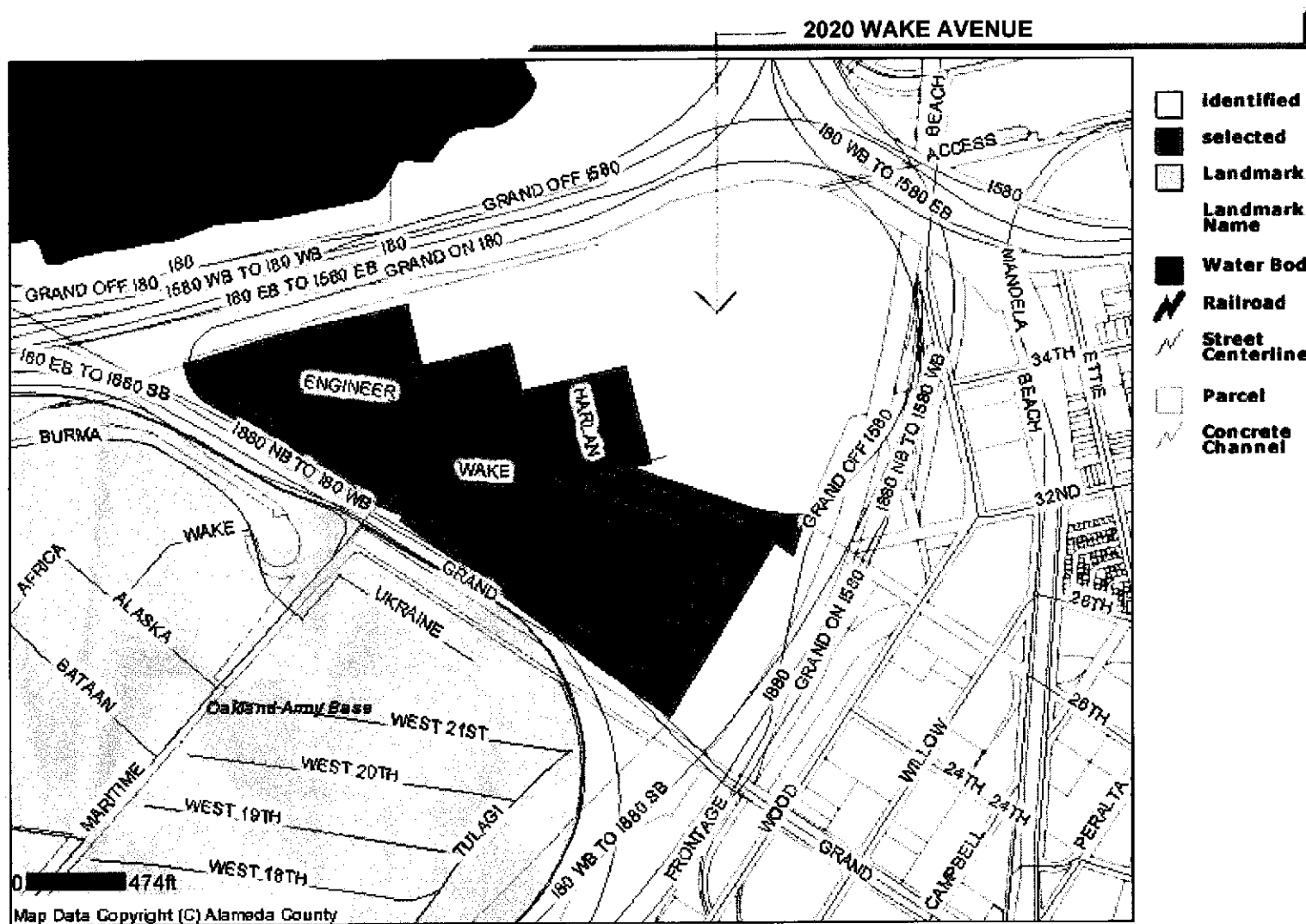
<sup>6</sup> Final Groundwater Screening Level, based on Aquatic Habitat

<sup>7</sup> Total Oil and Grease ESL value is based on TPH (Residual Fuels)

EBMUD, 2020 Wake Ave., Oakland

July 31, 2008





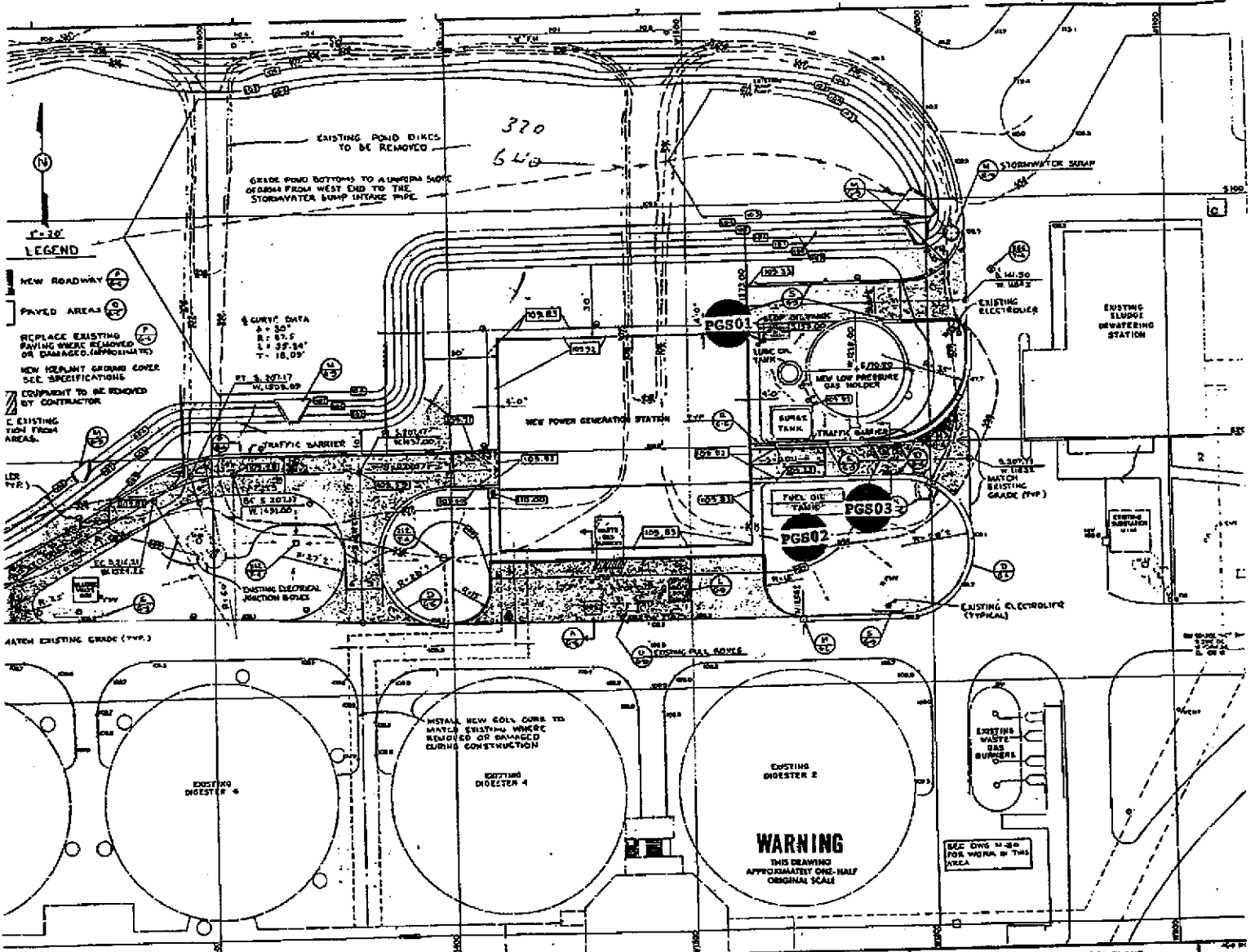
- 2020 WAKE AVENUE**
- |  |                   |  |                  |
|--|-------------------|--|------------------|
|  | Identified        |  | Closed Conduit   |
|  | selected          |  | Improved Cree    |
|  | Landmark          |  | Natural Creek    |
|  | Landmark Name     |  | Park             |
|  | Water Body        |  | Railroad         |
|  | Street Centerline |  | Parcel           |
|  | Parcel            |  | Concrete Channel |

Map Data Copyright (C) Alameda County

Disclaimer: The data, information, and maps provided herein are derived from various sources and are dynamic and in an ongoing state of maintenance, correction and update, and are subject to verification by the user and/or Alameda County. The mapped data depicted herein does not constitute a legal survey. The County of Alameda makes no warranty, representation or guarantee as to the content, accuracy, timeliness or completeness of any of the information implied herein. The County of Alameda explicitly disclaims any representation and warranties, including, without limitation, the implied warranties of merchantability and fitness for a particular purpose.



Printed: 9/17/2008



DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE	APPROVED BY DATE PROJECT NO. SHEET NO.	<b>JOHN CAROLLO ENGINEERS</b> PHOENIX ARIZONA WALNUT CREEK CALIFORNIA FOUNTAIN VALLEY CALIFORNIA YUBA CALIFORNIA SAN DIEGO, CA 92108-1714 SAN FRANCISCO, CA 94103-1714 SAN JOSE, CA 95128-1714 SAN ANTONIO, TX 78201-1714	 <b>EAST BAY MUNICIPAL UTILITY DISTRICT</b>	<b>WATER POLLUTION CONTROL PLANT</b> <b>POWER GENERATION STATION</b> SPECIFICATION NO. 5114 GENERAL PAVING, GRADING AND DRAINAGE PLAN	SHEET NO. 0240 OF 0240 <b>JC-C</b> 5 OF 5
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# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 24, 1992

ChromaLab File No.: 1192156

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: Foursdfil samples for Gasoline and BTEX analysis

Project Name: EBMUD WASTE WATER TREATMENT PLANT, Oakland

Project Number: NC372.01

Date Sampled: Nov. 17, 1992

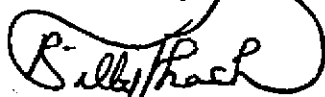
Date Submitted: Nov. 17, 1992

Date Analyzed: Nov. 23, 1992

## RESULTS:

Sample	Gasoline	Benzene	Toluene	Ethyl Benzene	Total Xylenes
I.D.	(mg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)	(µg/Kg)
SOP-P1	N.D.	N.D.	N.D.	N.D.	N.D.
SOP-P2	N.D.	N.D.	N.D.	N.D.	N.D.
SOP-P3	N.D.	N.D.	N.D.	N.D.	N.D.
SOP-P4	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	94%	115%	114%	96%	97%
DUP SPIKE RECOVERY	---	98%	99%	97%	98%
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/8015	8020	8020	8020	8020

ChromaLab, Inc.



Billy Thach  
Analytical Chemist



Eric Tam  
Laboratory Director

do

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 23, 1992

ChromaLab File No.: 1192156

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: Four soil samples for Oil & Grease analysis

Project Name: EBMUD WASTE WATER TREATMENT PLANT, Oakland

Project Number: NC372.01

Date Sampled: Nov. 17, 1992

Date Submitted: Nov. 17, 1992

Date Analyzed: Nov. 20, 1992

## RESULTS:

<u>Sample I.D.</u>	<u>Oil &amp; Grease (mg/Kg)</u>
SOP-P1	N.D.
SOP-P2	N.D.
SOP-P3	N.D.
SOP-P4	110
BLANK	N.D.
DETECTION LIMIT	50
METHOD OF ANALYSIS	STD METHOD 5520 E & F

ChromaLab, Inc.

  
Carolyn M. House  
Analyst

  
Eric Tam  
Laboratory Director

cc

# CHROMALAB, INC.

5 DAYS TURNAROUND

Environmental Laboratory (1094)

November 24, 1992

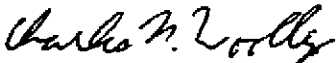
ChromaLab File # 1192156

ENGINEERING-SCIENCE, INC. BERKELEY Attn: H. Pietropaoli

Project Name: EBMUD WASTE WATER TREATMENT PLANT, Oakland #NC372.01  
Date Sampled: Nov. 17, 1992 Method of Analysis: EPA 8010  
Date Submitted: Nov. 17, 1992 Matrix: Soil  
Date of Analysis: Nov. 23, 1992 Reporting Limit: 5.0 µg/Kg  
Sample I.D.: SOP-P1 Dilution Factor: None

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	113% 112%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	98% 105%
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYL VINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	99% 99%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	95% 103%
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.

  
Charles Woolley  
Analytical Chemist

  
Eric Tam  
Laboratory Director

cc

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 24, 1992

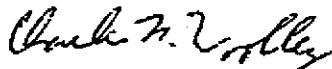
ChromaLab File # 1192156

ENGINEERING-SCIENCE, INC. BERKELEY Attn: H. Pietropaoli

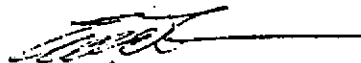
Project Name: EBMUD WASTE WATER TREATMENT PLANT, Oakland #NC372.01  
Date Sampled: Nov. 17, 1992 Method of Analysis: EPA 8010  
Date Submitted: Nov. 17, 1992 Matrix: Soil  
Date of Analysis: Nov. 23, 1992 Reporting Limit: 5.0 µg/Kg  
Sample I.D.: SOP-P2 Dilution Factor: None

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	113% 112%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	98% 105%
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYL VINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	99% 99%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	95% 103%
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.



Charles Woolley  
Analytical Chemist



Eric Tam  
Laboratory Director

cc



# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 24, 1992

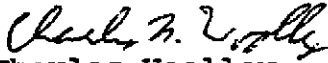
ChromaLab File # 1192156

ENGINEERING-SCIENCE, INC. BERKELEY Attn: H. Pietropaoli

Project Name: EBMUD WASTE WATER TREATMENT PLANT, Oakland #NC372.01  
Date Sampled: Nov. 17, 1992 Method of Analysis: EPA 8010  
Date Submitted: Nov. 17, 1992 Matrix: Soil  
Date of Analysis: Nov. 23, 1992 Reporting Limit: 5.0 µg/Kg  
Sample I.D.: SOP-P3 Dilution Factor: None

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	113% 112%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	98% 105%
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYL VINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	99% 99%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	95% 103%
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.

  
Charles Woolley  
Analytical Chemist

  
Eric Tam  
Laboratory Director

cc

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 24, 1992

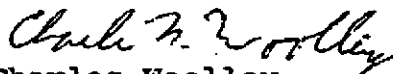
ChromaLab File # 1192156


ENGINEERING-SCIENCE, INC. BERKELEY Attn: H. Pietropaoli

Project Name: EBMUD WASTE WATER TREATMENT PLANT, Oakland #NC372.01  
Date Sampled: Nov. 17, 1992 Method of Analysis: EPA 8010  
Date Submitted: Nov. 17, 1992 Matrix: Soil  
Date of Analysis: Nov. 23, 1992 Reporting Limit: 5.0 µg/Kg  
Sample I.D.: SOP-P4 Dilution Factor: None

COMPOUND NAME	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	113% 112%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	98% 105%
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLEETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	99% 99%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	95% 103%
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.

  
Charles Woolley  
Analytical Chemist

  
Eric Tam  
Laboratory Director

cc

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 24, 1992

ChromaLab File No.: 1192156

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: Four soil samples for Diesel analysis

Project Name: EBMUD WASTE WATR TREATMENT PLANT, Oakland

Project Number: NC372.01

Date Sampled: Nov. 17, 1992

Date Submitted: Nov. 17, 1992

Date Extracted: Nov. 19, 1992

Date Analyzed: Nov. 20, 1992

## RESULTS:

<u>Sample I.D.</u>	<u>Diesel (mg/Kg)</u>
SOP-P1	N.D.
SOP-P2	N.D.
SOP-P3	N.D.
SOP-P4	N.D.
BLANK	N.D.
SPIKE RECOVERY	105%
DUP SPIKE RECOVERY	93%
DETECTION LIMIT	1.0
METHOD OF ANALYSIS	3550/8015

ChromaLab Inc.,



Yiu Tam  
Analytical Chemist



Eric Tam  
Laboratory Director

CC

# CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 19, 1992

ChromaLab File No.: 1192156

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: Four soil samples for LUFT (5) Metals analysis

Project Name: EBMUD WASTE WATER TREATMENT PLANT, Oakland

Project Number: NC372.01

Date Sampled: Nov. 17, 1992

Date Submitted: Nov. 17, 1992

Date Analyzed: Nov. 19, 1992

## RESULTS:

Sample I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
SOP-P1	0.91	25	24	21	52
SOP-P2	1.3	26	26	23	56
SOP-P3	.73	26	19	24	53
SOP-P4	.73	31	47	23	77
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
DETECTION LIMIT	0.05	0.50	0.50	0.50	0.50
METHOD OF ANALYSIS	3050/ 6010	3050/ 6010	3050/ 6010	3050/ 6010	3050/ 6010

ChromaLab, Inc.

  
Jack Kelly  
Analytical Chemist

  
Refaat Mankarious  
Inorganic Supervisor

do

EBMUD LAB RESULTS

19-Feb-1993  
Page 1

Account No.: -  
Lab Number : 92 12 21 145  
Sample Type: Grab

Station Name: PGS01  
Side Sewer :

DIESEL	<	200.000	ug/L
GASOLINE	<	100.000	ug/L
BENZENE	<	.500	ug/L
CHLOROBENZENE	<	.900	ug/L
1,2-DICHLOROBENZENE	<	.300	ug/L
1,3-DICHLOROBENZENE	<	.700	ug/L
1,4-DICHLOROBENZENE	<	.400	ug/L
ETHYLBENZENE	<	1.000	ug/L
TOLUENE	<	1.000	ug/L
XYLENES	<	1.000	ug/L

EBMUD LAB RESULTS

19-Feb-1993  
Page 1

Account No.: -  
Lab Number : 92 12 21 146  
Sample Type: Grab

Station Name: PGS02  
Side Sewer :

DIESEL	<	200.000	ug/L
GASOLINE	<	100.000	ug/L
ACROLEIN	<	5.000	ug/L
ACRYLONITRILE	<	5.000	ug/L
BENZENE	<	.500	ug/L
BROMODICHLOROMETHANE-GC/MS	<	.400	ug/L
BROMOFORM-GC/MS	<	.600	ug/L
BROMOMETHANE	<	1.000	ug/L
CARBON TETRACHLORIDE	<	.800	ug/L
CHLOROBENZENE	<	.900	ug/L
CHLOROETHANE	<	.800	ug/L
2-CHLOROETHYLVINYL ETHER	<	1.000	ug/L
CHLOROFORM	<	.300	ug/L
CHLOROMETHANE	<	1.000	ug/L
DIBROMOCHLOROMETHANE	<	.500	ug/L
1,2-DICHLOROBENZENE	<	.300	ug/L
1,3-DICHLOROBENZENE	<	.700	ug/L
1,4-DICHLOROBENZENE	<	.400	ug/L
1,1-DICHLOROETHANE	<	.400	ug/L
1,2-DICHLOROETHANE	<	1.000	ug/L
1,1-DICHLOROETHENE	<	1.000	ug/L
TRANS-1,2-DICHLOROETHENE	<	.600	ug/L
1,2-DICHLOROPROPANE	<	1.000	ug/L
CIS-1,2-DICHLOROPROPENE	<	1.000	ug/L
TRANS-1,3-DICHLOROPROPENE	<	.900	ug/L
ETHYL BENZENE	<	1.000	ug/L
METHYLENE CHLORIDE	<	1.200	ug/L
1,1,2,2-TETRACHLOROETHANE	<	.700	ug/L
TETRACHLOROETHENE	<	1.000	ug/L
TOLUENE	<	1.000	ug/L
1,1,1-TRICHLOROETHANE	<	1.000	ug/L
1,1,2-TRICHLOROETHANE	<	.700	ug/L
TRICHLOROETHENE	<	.600	ug/L
VINYL CHLORIDE	<	1.000	ug/L
ACETONE	<	10.000	ug/L
DIBROMOCHLOROPROPANE	<	1.000	ug/L
ETHYLENE DIBROMIDE	<	.900	ug/L
METHYLETHYL KETONE	<	10.000	ug/L
METHYL ISOBUTYL KETONE	<	2.000	ug/L
STYRENE	<	.800	ug/L
TETRAHYDROFURAN	<	20.000	ug/L
FREON 113	<	.800	ug/L
SATURATED HYDROCARBONS	<	20.000	ug/L
UNSATURATED HYDROCARBONS	<	20.000	ug/L
AROMATIC HYDROCARBONS	<	20.000	ug/L
XYLENES	<	1.000	ug/L
1,2,4-TRICHLOROBENZENE	<	.800	ug/L
FLUOROTRICHLOROMETHANE	<	.800	ug/L
DICHLORODIFLUOROMETHANE	<	.800	ug/L
M-CHLOROTOLUENE	<	.700	ug/L
DIBROMOMETHANE	<	.900	ug/L
1,3-DICHLOROPROPANE	<	1.000	ug/L

## E B M U D L A B R E S U L T S

19-Feb-1993  
Page 2Account No.: -  
Lab Number : 92 12 21 146  
Sample Type: GrabStation Name: PGS02  
Side Sewer :

BROMOCHLOROMETHANE	<	.500	ug/L
1,2,3-TRICHLOROPROPANE	<	1.000	ug/L
1,2,3-TRICHLOROBENZENE	<	.800	ug/L
N-PROPYLBENZENE	<	1.000	ug/L
1,1,1,2-TETRACHLOROETHANE	<	.700	ug/L
PENTACHLOROETHANE	<	1.000	ug/L
BIS (2-CHLOROISOPROPYL) ETHER	<	3.000	ug/L
SEC-DICHLOROPROPANE	<	1.000	ug/L
1,2,4-TRIMETHYLBENZENE	<	1.000	ug/L
N-BUTYLBENZENE	<	1.000	ug/L
NAPHTHALENE	<	1.000	ug/L
HEXACHLOROBUTADIENE	<	.800	ug/L
P-CHLOROTOLUENE	<	.800	ug/L
1,3,5-TRIMETHYLBENZENE	<	.990	ug/L
P-ISOPROPYLTOLUENE	<	1.000	ug/L
1,1-DICHLOROPROPANE	<	1.000	ug/L
ISOPROPYLBENZENE	<	1.000	ug/L
TERT-BUTYLBENZENE	<	1.000	ug/L
SEC-BUTYLBENZENE	<	1.000	ug/L
BROMOBENZENE	<	.900	ug/L
CIS-1,2-DICHLOROETHENE	<	.600	ug/L
O-CHLOROTOLUENE	<	.600	ug/L
CARBON DISULFIDE	<	1.000	ug/L
1,1-DICHLOROPROPENE	<	.700	ug/L
ETHYL ACETATE	<	1.000	ug/L
2-HEXANONE	<	1.000	ug/L
VINYL ACETATE	<	1.000	ug/L
1,3-BUTADIENE	<	1.000	ug/L
1,4-DIOXANE	<	1,000.000	ug/L
VOLATILE REGULATED ORGANICS		.001	mg/L
VOLATILE CHLOR. HYDROCARBONS		.001	mg/L
VOA TOTAL TOXIC ORGANICS	<	.010	mg/L

E B M U D L A B R E S U L T S

19-Feb-1993

Page 1

Account No.: -  
 Lab Number : 92 12 21 147  
 Sample Type: Grab

Station Name: PGS03  
 Side Sewer :

DIESEL	<	200.000	ug/L
GASOLINE	<	100.000	ug/L
ACROLEIN	<	5.000	ug/L
ACRYLONITRILE	<	5.000	ug/L
BENZENE	<	.500	ug/L
BROMODICHLOROMETHANE-GC/MS	<	.400	ug/L
BROMOFORM-GC/MS	<	.600	ug/L
BROMOMETHANE	<	1.000	ug/L
CARBON TETRACHLORIDE	<	.800	ug/L
CHLOROBENZENE	<	.900	ug/L
CHLOROETHANE	<	.800	ug/L
2-CHLOROETHYL VINYL ETHER	<	1.000	ug/L
CHLOROFORM	<	.300	ug/L
CHLOROMETHANE	<	1.000	ug/L
DIBROMOCHLOROMETHANE	<	.500	ug/L
1,2-DICHLOROBENZENE	<	.300	ug/L
1,3-DICHLOROBENZENE	<	.700	ug/L
1,4-DICHLOROBENZENE	<	.400	ug/L
1,1-DICHLOROETHANE	<	.400	ug/L
1,2-DICHLOROETHANE	<	1.000	ug/L
1,1-DICHLOROETHENE	<	1.000	ug/L
TRANS-1,2-DICHLOROETHENE	<	.600	ug/L
1,2-DICHLOROPROPANE	<	1.000	ug/L
CIS-1,2-DICHLOROPROPENE	<	1.000	ug/L
TRANS-1,3-DICHLOROPROPENE	<	.900	ug/L
ETHYL BENZENE	<	1.000	ug/L
METHYLENE CHLORIDE		12.000	ug/L
1,1,2,2-TETRACHLOROETHANE	<	.700	ug/L
TETRACHLOROETHENE	<	1.000	ug/L
TOLUENE	<	1.000	ug/L
1,1,1-TRICHLOROETHANE	<	1.000	ug/L
1,1,2-TRICHLOROETHANE	<	.700	ug/L
TRICHLOROETHENE	<	.600	ug/L
VINYL CHLORIDE	<	1.000	ug/L
ACETONE		30.000	ug/L
DIBROMOCHLOROPROPANE	<	1.000	ug/L
ETHYLENE DIBROMIDE	<	.900	ug/L
METHYLETHYL KETONE	<	10.000	ug/L
METHYL ISOBUTYL KETONE	<	2.000	ug/L
STYRENE	<	.800	ug/L
TETRAHYDROFURAN	<	20.000	ug/L
FREON 113	<	.800	ug/L
SATURATED HYDROCARBONS	<	20.000	ug/L
UNSATURATED HYDROCARBONS	<	20.000	ug/L
AROMATIC HYDROCARBONS	<	20.000	ug/L
XYLENES	<	1.000	ug/L
1,2,4-TRICHLOROBENZENE	<	.800	ug/L
FLUOROTRICHLOROMETHANE	<	.800	ug/L
DICHLORODIFLUOROMETHANE	<	.800	ug/L
M-CHLOROTOLUENE	<	.700	ug/L
DIBROMOMETHANE	<	.900	ug/L
1,3-DICHLOROPROPANE	<	1.000	ug/L



EBMUD LAB RESULTS

19-Feb-1993  
Page 2

Account No.: -  
Lab Number : 92 12 21 147  
Sample Type: Grab

Station Name: PGS03  
Side Sewer :

BROMOCHLOROMETHANE	<	.500	ug/L
1,2,3-TRICHLOROPROPANE	<	1.000	ug/L
1,2,3-TRICHLOROBENZENE	<	.800	ug/L
N-PROPYLBENZENE	<	1.000	ug/L
1,1,1,2-TETRACHLOROETHANE	<	.700	ug/L
PENTACHLOROETHANE	<	1.000	ug/L
BIS (2-CHLOROISOPROPYL) ETHER	<	3.000	ug/L
SEC-DICHLOROPROPANE	<	1.000	ug/L
1,2,4-TRIMETHYLBENZENE	<	1.000	ug/L
N-BUTYLBENZENE	<	1.000	ug/L
NAPHTHALENE	<	1.000	ug/L
HEXACHLOROBUTADIENE	<	.800	ug/L
P-CHLOROTOLUENE	<	.800	ug/L
1,3,5-TRIMETHYLBENZENE	<	.990	ug/L
P-ISOPROPYLTOLUENE	<	1.000	ug/L
1,1-DICHLOROPROPANE	<	1.000	ug/L
ISOPROPYLBENZENE	<	1.000	ug/L
TERT-BUTYLBENZENE	<	1.000	ug/L
SEC-BUTYLBENZENE	<	1.000	ug/L
BROMOBENZENE	<	.900	ug/L
CIS-1,2-DICHLOROETHENE	<	.600	ug/L
O-CHLOROTOLUENE	<	.600	ug/L
CARBON DISULFIDE	<	1.000	ug/L
1,1-DICHLOROPROPENE	<	.700	ug/L
ETHYL ACETATE	<	1.000	ug/L
2-HEXANONE	<	1.000	ug/L
VINYL ACETATE	<	1.000	ug/L
1,3-BUTADIENE	<	1.000	ug/L
1,4-DIOXANE	<	1,000.000	ug/L
VOLATILE REGULATED ORGANICS		.042	mg/L
VOLATILE CHLOR. HYDROCARBONS		.012	mg/L
VOA TOTAL TOXIC ORGANICS		.012	mg/L

EBMUD LAB RESULTS

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Account No.: -  
Lab Number : 93 02 04 145  
Sample Type: Grab

Station Name: PGS01  
Side Sewer :

DIESEL	<	200.000	ug/L
GASOLINE	<	100.000	ug/L
BENZENE	<	.200	ug/L
CHLOROBENZENE	<	.200	ug/L
1,2-DICHLOROBENZENE	<	.200	ug/L
1,3-DICHLOROBENZENE	<	.200	ug/L
1,4-DICHLOROBENZENE	<	.200	ug/L
ETHYLBENZENE	<	.200	ug/L
TOLUENE	<	.200	ug/L
XYLENES	<	.200	ug/L

EBMUD LAB RESULTS

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Account No.: -  
Lab Number : 93 02 04 146  
Sample Type: Grab

Station Name: PGS02  
Side Sewer :

DIESEL	<	200.000	ug/L
GASOLINE	<	100.000	ug/L
BENZENE	<	.200	ug/L
CHLOROBENZENE	<	.200	ug/L
1,2-DICHLOROBENZENE	<	.200	ug/L
1,3-DICHLOROBENZENE	<	.200	ug/L
1,4-DICHLOROBENZENE	<	.200	ug/L
ETHYLBENZENE	<	.200	ug/L
TOLUENE	<	.200	ug/L
XYLENES	<	.200	ug/L

Account No.: -  
Lab Number : 93 06 30 161  
Sample Type: Grab

Station Name: PGS01  
Side Sewer :

DIESEL	<	200.000	ug/L
GASOLINE	<	100.000	ug/L
BENZENE	<	.200	ug/L
CHLORO BENZENE	<	.200	ug/L
1,2-DICHLORO BENZENE	<	.200	ug/L
1,3-DICHLORO BENZENE	<	.200	ug/L
1,4-DICHLORO BENZENE	<	.200	ug/L
ETHYL BENZENE	<	.200	ug/L
TOLUENE	<	.200	ug/L
XYLENES	<	.200	ug/L