ROEBBELEN
CONSTRUCTION, INC.

January 16, 1993

Alameda County Health Care Services Agency
Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, California 94621

Attention: Brian P. Oliva

RE: **EBMUD - PGS Modifications**
Oakland, California
SD-189A

SUBJECT: **Tank Closure Report - Slop Oil Tank**

Dear Mr. Oliva:

Attached please find the Tank Closure Report as requested in item #22 of the Underground Tank Closure Plan. Should you have any further questions or need any additional information, please do not hesitate to contact me.

Sincerely,
ROEBBELEN CONSTRUCTION, INC.

Dana Lahargoue

Dana Lahargoue
Project Engineer

1241 HAWKS FLIGHT COURT, SUITE 100
EL DORADO HILLS, CALIFORNIA 95630

(916) 939-4000 FAX: 939-4028
GENERAL CONTRACTORS LIC. 458230

Tank Closure Report

a) Installed temporary slop oil tank, temporary hose and fittings. Once the temporary tank was operational, the existing tank was disconnected and the tank was pulled. See (c) for further explanation.

b) The former contents of this tank was slop oil. The existing 2,000 gallon tank was made of fiberglass, pipe and fittings were both steel and were wrapped. The tank was broken in half, one pipe and fitting was broken in sheet pile driving operation. See (c) for further explanation.

c) During the shoring operation one of the sheet piles hit and broke a pipe and fitting that was connected to the tank that had not been removed. Due to a broken #3 water line that was not shown on the plans, and unforeseen condition, the tank filled up with water and brought the residual to the top which overflowed in the pit. A vacuum operation was set up to remove the worst of the sludge from the pit (see hazardous waste manifest report attached). A dewatering system was then set up and the water from the broken water line and additional sludge not removed by the vacuum were contained in a temporary tank to allow them to separate wherein the residual was transferred to the temporary slop oil tank.

d) See attached laboratory reports for sampling methods.

e) See above a and b.

f) Attached.

g) Attached.

h) Attached.

i) Attached.

j) No non-manifested contaminated soil was hauled offsite.

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 WATR TREATMENT PLANT, Oakland
Project Number: NC372.01
Date Sampled: Nov. 17, 1992 Date Submitted: Nov. 17, 1992
Date Analyzed: Nov. 23, 1992

RESULTS:

Sample I.D.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (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

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

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 WATR TREATMENT PLANT, Oakland
Project Number: NC372.01
Date Sampled: Nov. 17, 1992 Date Submitted: Nov. 17, 1992
Date Analyzed: Nov. 20, 1992

RESULTS:

Sample I.D.	Oil & Grease (mg/Kg)
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

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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 WATR 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-CHLOROETHYLVINYLETHER	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

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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 WATR 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-CHLOROETHYLVINYLETHER	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

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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 WATR 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-CHLOROETHYLVINYLETHER	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

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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 WATR 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-CHLOROETHYLVINYLETHER	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

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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: 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:

Sample I.D.	Diesel (mg/Kg)
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

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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

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Federal ID #68-0140157

ENGINEERING - SCIENCE, INC.
CHAIN OF CUSTODY* RECORD

LAB: Chromalab

CLIENT:	PROJECT MANAGER:	PROJ. NO.:
ENGINEERING-SCIENCE, INC. BERKELEY	H. Pietrzak	NC372.01

PROJECT NAME / LOCATION: E BAYD WASTEWATER TREATMENT PLANT, OAKLAND

SAMPLER(S): (SIGNATURE) Henry Pietrzak

SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION	NO. OF CONTAINERS	ANALYSES REQUIRED: TPH-diesel	TPH-Gas / BTEX	8010	Total Oil & Grease	Metals cd, cr, Pb, Zn, Ni	PRESERVED	TO BE COMPOSITED BY LAB	TURNAROUND TIME	REMARKS
SP	11/17/92	1330	Soil	7' bgs	1	✓	✓	✓	✓	✓			5-day	
SP-P2	11/17/92	1340	Soil	6' bgs	1	✓	✓	✓	✓	✓			"	
SP-P3	11/17/92	1400	Soil	6' 6" bgs	1	✓	✓	✓	✓	✓			"	
SP-P4	11/17/92	1415	Soil	6' 8" bgs	1	✓	✓	✓	✓	✓			"	

CHROMALAB FILE # 119215E
ORDER # 8559

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS
Henry Pietrzak	11/17/92 1540		11/17/92 1540	

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 1, 1992 ChromaLab File No.: 1192214

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: One water sample for Gasoline and BTEX analysis

Project Name: EBMUD / ROEBELLEN, Oakland, CA
Project Number: NC372.01
Date Sampled: Nov. 23, 1992 Date Submitted: Nov. 23, 1992
Date Analyzed: Nov. 30, 1992

RESULTS:

Sample I.D.	Gasoline (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)
SOP-GW	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	91%	91%	94%	87%	88%
DUP SPIKE RECOVERY	----	92%	92%	91%	91%
DETECTION LIMIT	50	0.5	0.5	0.5	1.5
METHOD OF ANALYSIS	5030/8015	602	602	602	602

ChromaLab, Inc.

Billy Thach
Analytical Chemist

Eric Tam
Laboratory Director

cc

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 2, 1992 ChromaLab File No.: 1192214

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: One soil sample for Gasoline and BTEX analysis

Project Name: EBMUD / ROEBELLEN, Oakland, CA
Project Number: NC372.01
Date Sampled: Nov. 23, 1992 Date Submitted: Nov. 23, 1992
Date Analyzed: Dec. 1, 1992

RESULTS:

Sample I.D.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
SOP-SE	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	116%	100%	100%	95%	95%
DUP SPIKE RECOVERY	---	98%	102%	90%	97%
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

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 3, 1992 ChromaLab File No.: 1192214

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: One water sample for Diesel analysis

Project Name: EBMUD / ROEBELLEN, Oakland, CA
Project Number: NC372.01
Date Sampled: Nov. 23, 1992 Date Submitted: Nov. 23, 1992
Date Extracted: Dec. 1, 1992 Date Analyzed: Dec. 1, 1992

RESULTS:

Sample I.D.	Diesel (µg/L)
SOP-GW	N.D.
BLANK	N.D.
SPIKE RECOVERY	109%
DUP SPIKE RECOVERY	105%
DETECTION LIMIT	50
METHOD OF ANALYSIS	3510/8015

ChromaLab Inc.,

Yiu Tam
Analytical Chemist

Eric Tam
Laboratory Director

cc

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 3, 1992 ChromaLab File No.: 1192214

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: One soil sample for Diesel analysis

Project Name: EBMUD / ROEBELLEN, Oakland, CA
Project Number: NC372.01
Date Sampled: Nov. 23, 1992 Date Submitted: Nov. 23, 1992
Date Extracted: Nov. 30, 1992 Date Analyzed: Nov. 30, 1992

RESULTS:

Sample I.D.	Diesel (mg/Kg)
SOP-SE	N.D.
BLANK	N.D.
SPIKE RECOVERY	94%
DUP SPIKE RECOVERY	99%
DETECTION LIMIT	1.0
METHOD OF ANALYSIS	3550/8015

ChromaLab Inc.,

Yiu Tam
Analytical Chemist

Eric Tam
Laboratory Director

cc

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 2, 1992 ChromaLab File No.: 1192214

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: One water sample for Oil & Grease analysis

Project Name: EBMUD / ROEBELLEN, Oakland, CA
Project Number: NC372.01
Date Sampled: Nov. 23, 1992 Date Submitted: Nov. 23, 1992
Date Analyzed: Dec. 2, 1992

RESULTS:

Sample I.D.	Oil & Grease (mg/L)
SOP-GW	45
BLANK	N.D.
DETECTION LIMIT	1.0
METHOD OF ANALYSIS	STD METHOD 5520 B & F

ChromaLab, Inc.

Carolyn M. House
Analyst

Eric Tam
Laboratory Director

do

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 2, 1992 ChromaLab File No.: 1192214

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: One soil sample for Oil & Grease analysis

Project Name: EBMUD / ROEBELLEN, Oakland, CA
Project Number: NC372.01
Date Sampled: Nov. 23, 1992 Date Submitted: Nov. 23, 1992
Date Analyzed: Dec. 2, 1992

RESULTS:

Sample I.D.	Oil & Grease (mg/Kg)
SOP-SE	72
BLANK	N.D.
DETECTION LIMIT	50
METHOD OF ANALYSIS	STD METHOD 5520 E & F

ChromaLab, Inc.

Carolyn M. House
Analyst

Eric Tam
Laboratory Director

do

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 1, 1992 ChromaLab File # 1192214

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

Project Name: EBMUD/ROEBELLEN, Oakland, CAProject No: NC372.01
Date Sampled: Nov. 23, 1992 Method of Analysis: EPA 601
Date Submitted: Nov. 23, 1992 Matrix: Water
Date of Analysis: Nov. 30, 1992 Detection Limit: 0.5 µg/L
Sample I.D.: SOP-GW Dilution Factor: None

COMPOUND NAME	µg/L	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	126% 115%
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.	117% 116%
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	111% 120%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	108% 92%
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.

Charles Woolley
Analytical Chemist

Eric Tam
Lab Director

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 1, 1992 ChromaLab File # 1192214

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

Project Name: EBMUD / ROEBELLEN, Oakland, CAProject No: NC372.01
Date Sampled: Nov. 23, 1992 Method of Analysis: EPA 8010
Date Submitted: Nov. 23, 1992 Matrix: Soil
Date of Analysis: Nov. 30, 1992 Detection Limit: 5.0 µg/Kg
Sample I.D.: SOP-SE 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.	126% 115%
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.	117% 116%
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	N.D.	111% 120%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	108% 92%
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.

Charles Woolley
Analytical Chemist

Eric Tam
Lab Director

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 1, 1992 ChromaLab File No.: 1192214

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pietropaoli

RE: One water sample for LUFT (5) Metals analysis

Project Name: EBMUD / ROEBELLEN, Oakland, CA
Project Number: NC372.01
Date Sampled: Nov. 23, 1992 Date Submitted: Nov. 23, 1992
Date Analyzed: Nov. 30, 1992

RESULTS:

Sample I.D.	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Nickel (mg/L)	Zinc (mg/L)
SOP-GW	N.D.	N.D.	N.D.	N.D.	0.025
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
DETECTION LIMIT	0.001	0.01	0.01	0.02	0.005
METHOD OF ANALYSIS	3010/ 6010	3010/ 6010	3010/ 6010	3010/ 6010	3010/ 6010

ChromaLab, Inc.

Jack Kelly
Analytical Chemist

Refaat Mankarious
Inorganic Supervisor

cc

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 3, 1992 ChromaLab File No.: 1192214

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: H. Pretropaoli

RE: One soil sample for LUFT (5) Metals analysis

Project Name: EBMUD / ROEBELLEN, Oakland, CA
Project Number: NC372.01
Date Sampled: Nov. 23, 1992 Date Submitted: Nov. 23, 1992
Date Analyzed: Dec 3, 1992

RESULTS:

Sample I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
SOP-SE	.51	24	32	23	71
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

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Federal ID #68-0140157

ENGINEERING – SCIENCE, INC.
CHAIN OF CUSTODY RECORD

LAB: PAGE 1 OF 1

CLIENT:	PROJECT MANAGER:	PROJ. NO.:
ENGINEERING-SCIENCE, INC. BERKELEY	H. Pietropaoli	NC322.01

PROJECT NAME / LOCATION: EBMUD / Roeberken Oakland, Calif

SAMPLER(S): (SIGNATURE) Henry Pietropaoli

CHROMALAB FILE # 119221-1
ORDER # 8628

SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION	NO. OF CONTAINERS	TPH-gas w/ BTEX	TPH-diesel	oil & grease	8010	% Luft		TO BE BY LAB	ME	REMARKS
SP	11/23/92	1420	Soil	12' bgs	1	✓	✓	✓	✓	✓				
SP-GW	11/23/92	1425	H_2O		10	✓	✓	✓	✓	✓				3- 1 L amber glass 2- 250 ml plastic 5- 40 ml VOA's

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE)	DATE/TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE/TIME	REMARKS
Henry Pietropaoli	11/23/92 1555		11/23 16:55	

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 11, 1992 ChromaLab File No.: 1292064

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: Henry Pietropaoli

RE: One soil sample for Oil & Grease analysis

Project Name: EBMUD WASTEWATER TREATMENT PLANT, Oakland, Calif.
Project Number: NC 372.01
Date Sampled: Dec. 4, 1992 Date Submitted: Dec. 4, 1992
Date Analyzed: Dec. 10, 1992

RESULTS:

Sample I.D.	Oil & Grease (mg/Kg)
PILE 1	N.D.
BLANK	N.D.
DETECTION LIMIT	50
METHOD OF ANALYSIS	STD METHOD 5520 E & F

ChromaLab, Inc.

Carolyn M. House
Analyst

Eric Tam
Laboratory Director

do

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 11, 1992 ChromaLab File No.: 1292064

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: Henry Pietropaoli

RE: One soil sample for Gasoline and BTEX analysis

Project Name: EBMUD WASTEWATER TREATMENT PLANT, Oakland, Calif.
Project Number: NC 372.01
Date Sampled: Dec. 4, 1992 Date Submitted: Dec. 4, 1992
Date Analyzed: Dec. 10, 1992

RESULTS:

Sample I.D.	Gasoline (mg/Kg)	Benzene (µg/Kg)	Toluene (µg/Kg)	Ethyl Benzene (µg/Kg)	Total Xylenes (µg/Kg)
PILE 1	N.D.	N.D.	N.D.	N.D.	N.D.
BLANK	N.D.	N.D.	N.D.	N.D.	N.D.
SPIKE RECOVERY	92%	78%	105%	84%	86%
DUP SPIKE RECOVERY	----	81%	103%	86%	84%
DETECTION LIMIT	1.0	5.0	5.0	5.0	5.0
METHOD OF ANALYSIS	5030/8015	8020	8020	8020	8020

ChromaLab, Inc.,

Eric Costa
Analytical Chemist

Eric Tam
Laboratory Director

cc

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 11, 1992 ChromaLab File No.: 1292064

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: Henry Pietropaoli

RE: One soil samples for Diesel analysis

Project Name: EBMUD WASTEWATER TREATMENT PLANT, Oakland, Calif.
Project Number: NC 372.01
Date Sampled: Dec. 4, 1992 Date Submitted: Dec. 4, 1992
Date Extracted: Dec. 9, 1992 Date Analyzed: Dec. 9, 1992

RESULTS:

Sample I.D.	Diesel (mg/Kg)
PILE 1	N.D.
BLANK	N.D.
SPIKE RECOVERY	97%
DUP SPIKE RECOVERY	86%
DETECTION LIMIT	1.0
METHOD OF ANALYSIS	3550/8015

ChromaLab, Inc.

Yiu Tam
Analytical Chemist

Eric Tam
Laboratory Director

do

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Federal ID #68-0140157

ROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

ChromaLab File # 1292064

December 11, 1992

ENGINEERING-SCIENCE, INC. BERKELEY Attn: Henry Pietropaoli

Project Name: EBMUD WASTEWATER TREATMENT PLANT, Oakland, Calif.
Project No: NC 372.01
Date Sampled: Dec. 4, 1992
Date Submitted: Dec. 4, 1992
Date of Analysis: Dec. 10, 1992
Sample I.D.: PILE 1

Method of Analysis: EPA 8010
Matrix: Soil
Detection Limit: 5.0 µg/Kg
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.	77% 77%
1,1-DICHLOROETHENE	N.D.	---
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.	100% 100%
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	100% 96%
TETRACHLOROETHENE	N.D.	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
BROMOFORM	N.D.	104% 110%
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	

ChromaLab, Inc.

Charles Woolley
Analytical Chemist

Eric Tam
Lab Director

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 14, 1992 ChromaLab File No.: 1292064

ENGINEERING-SCIENCE, INC. BERKELEY

Attn: Henry Pietropaoli

RE: One soil sample for LUFT (5) Metals analysis

Project Name: EBMUD WASTEWATER TREATMENT PLANT, Oakland, Calif.
Project Number: NC 372.01
Date Sampled: Dec. 4, 1992 Date Submitted: Dec. 4, 1992
Date Analyzed: Dec. 11, 1992

RESULTS:

Sample I.D.	Cadmium (mg/Kg)	Chromium (mg/Kg)	Lead (mg/Kg)	Nickel (mg/Kg)	Zinc (mg/Kg)
PILE 1	0.76	8.7	5.7	15	36
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

cc

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Federal ID #68-0140157

GINEERING-SCIENCE, INC. BERKELEY | Pietropaoli | NC 312.01

OJECT NAME / LOCATION: EBMUD WASTEWATER TREATMENT PLANT, OAKland, Calif

AMPLER(S): (SIGNATURE) Henry Pietropaoli

SAMPLE ID	DATE	TIME	MATRIX	SAMPLE LOCATION	NO. OF CONTAINERS	TPH-gas w/ BTEX	TPH-diesel	oil / grease	8010	5 Lust metals Ed, Cr, Pb, Ni, Z	PRESERVED	TO BE COMPOSITED	TURNAROUND TIME	REMARKS
PILE 1	12/4/92	1045	Rock	Gravel Pile	2	✓	✓	✓	✓	✓		✓	5-day	
~~TEST~~														

RELINQUISHED BY: (SIGNATURE) Henry Pietropaoli. | DATE/TIME 12/4/92 1315 | RECEIVED BY: (SIGNATURE)

RELINQUISHED BY: (SIGNATURE) | DATE/TIME | RECEIVED FOR LABORATORY BY: (SIGNATURE) | DATE/TIME 1115 12-4-92

RELINQUISHED BY: (SIGNATURE) | DATE/TIME | RECEIVED BY: (SIGNATURE)

REMARKS

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ERICKSON
255 Parr Boulevard, hmond, California 94801
(510) 235-1393 • FAX (510) 235-3709
Contr. Lic. No. 168067

CUSTOMER JOB ORDER

RICKSON, Inc.

JOB NO. 80092

AY: M T W T F SAT SUN

MPLOYEE'S NAME HUISKY

☐ Driver ☐ ETI ☐ Envirovac

ATE

☐ T & M ☐ BID ☐ COD
☐ JOB START ☐ JOB IN PROGRESS ☐ JOB CLOSED

☐ Laborer

USTOMER NO.	P.O./CONTRACT NO.	CONTRACT REL. NO.	POWER NO.	TRAILER NO.

USTOMER NAME ROEBBELEN

☐ RUBBER GEAR

OBSITE ADDRESS EBMUD 2020 LAKE
OAKLAND

☐ GLOVES

☐ GOGGLES

ONTACT PHONE NO.

☐ RESPIRATORS

RIVER INSTRUCTIONS 1-2,000 GAL TK

☐ OTHER

QUIPMENT OR MATERIAL USED: 1-45 DRY ICE

VASTE MATERIAL	QUANTITY	HW MANIFEST NO.
	1-2000 TK	~~[illegible]~~

ISPOSAL SITE	DATE & APPOINTMENT TIME	PROFILE NO. W/S NO.
RICHMOND		9220199

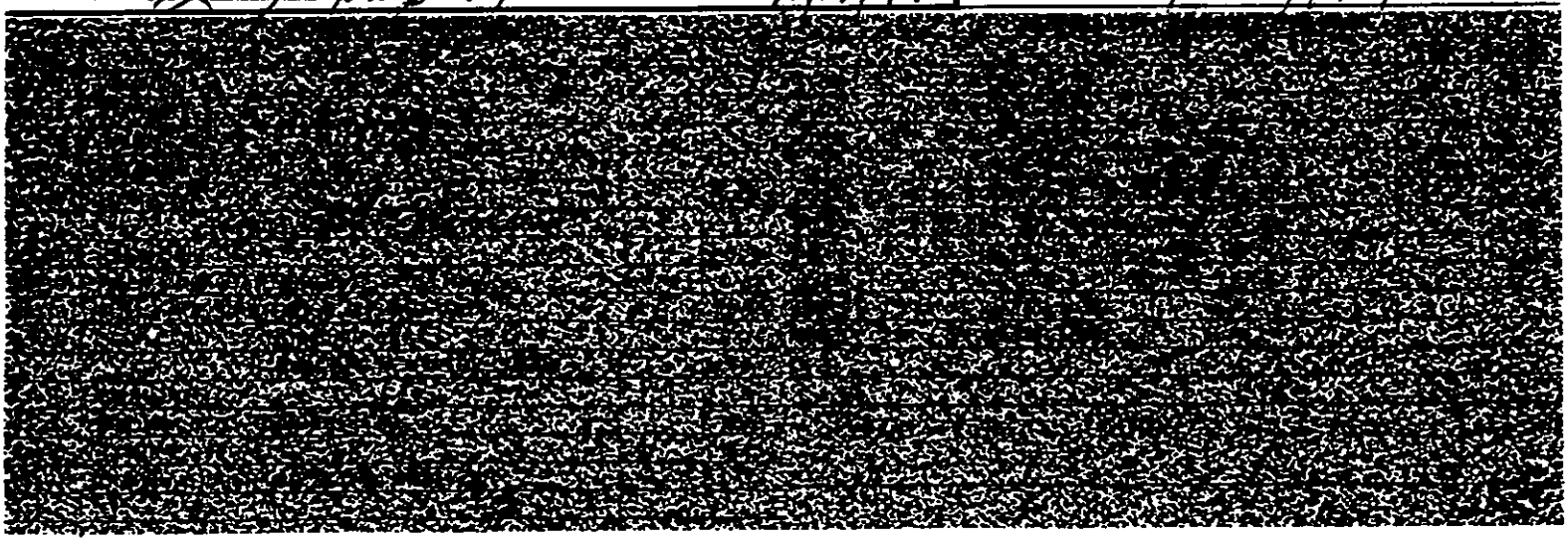
OMMENTS (EXPLAIN JOB DELAYS):

ILLING (JOB DESCRIPTION)

CUSTOMER ACKNOWLEDGES WORK PERFORMED

CUSTOMER'S SIGNATURE X Larry Montgomery DATE 11/17/92

EMPLOYEE'S SIGNATURE X Larry J. Huisky



ERICKSON, INC. CAN PROVIDE COMPLETE HAZARDOUS WASTE MANAGEMENT AND TRANSPORTATION TO SERVE YOU. PLEASE CALL US AT (415) 235-1393 IF YOU HAVE ANY QUESTIONS OR IF WE CAN PROVIDE ADDITIONAL SERVICE. ERICKSON, INC., A FULL SERVICE COMPANY SINCE 1942. WE APPRECIATE YOUR BUSINESS.

f California—Environmental Protection Agency
proved OMB No. 2050-0039 (Expires 9-30-94)
or type. *Form designed for use on elite (12-pitch) type.*

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.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
CHCCR82-7[illegible]	[illegible]		

3. Generator's Name and Mailing Address
T.O.M.U.E.
2[illegible]

4. Generator's Phone (5[illegible]

5. Transporter 1 Company Name	6. US EPA ID Number
Erickson, Inc.	CAD009466392
7. Transporter 2 Company Name	8. US EPA ID Number

9. Designated Facility Name and Site Address	10. US EPA ID Number
Gibson Oil / Pilot Petroleum 475 Sea Port Blvd. Redwood City, Ca. 94604	CAD042326072

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	State / EPA/Other
a. RQ Hazardous Waste Liquids NOS ORM E NA9189 D018	[illegible]	TT	11005	G	
b.					
c.					
d.					

15. Special Handling Instructions and Additional Information
Gibson Oil Waste Stream Profile # 10001 ERC 31-[illegible]
24 Hr. Contact [illegible] 24 Hr. Phone #: [illegible]

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of the 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 federal, state and international laws.

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	Signature	Month	Day	Year
A. Nelson	[illegible]			7/2

GENERATOR

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]			7/2

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Bay				

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
# 8[illegible]	[illegible]			7/2

2036

DO NOT WRITE BELOW THIS LINE.

E 8022A (12/91)
8700—22

Green: HAULER RETAINS

n
vironmental

475 SEAPORT BOULEVARD
REDWOOD CITY, CA 94063
(415) 368-5511

80042

ORIGIN: East Bay mud.

DESTINATION: GIBSON OIL REFINERY
475 SEAPORT BOULEVARD
REDWOOD CITY, CA 94063

WEIGHT TAG NUMBER

DATE 11-11-92

MANIFEST# 9220413.2

INVOICE TO:

PRICE:

CARRIER #	CARRRIER	RELEASE#	COMMODITY	TDS	PH	GRAV.	NET GALLONS /BBLS
RV16	Erickson	1001	clw	—	6	10	

ARRIVED TO UNLOAD	START TO UNLOAD	FINISH UNLOADING	SOLIDS %	1
1110 AM PM	AM PM	1750 AM PM	WASHOUT GALLONS	

LOADED FROM	UNLOADED TO	DEDUCT B S & W %	.5
Vac Truck			
LOADER'S SIGNATURE	DRIVER'S SIGNATURE	NET BARRELS	

REMARKS

RECEIPT TICKET

R 1732

DAY OR NIGHT TELEPHONE (510) 235-1393

CERTIFICATE

CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 14855

CUSTOMER

JOB NO.

FOR: Erickson, Inc. TANK NO. 10109

LOCATION: Richmond DATE: 11/19/92 TIME: 13:43:13

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT UO

This is to certify that I have personally determined that this tank is in accordance with the American Petroleum Institute and have found the condition to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

TANK SIZE 2000 Gallon Tank CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%

LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY."

In the event of any physical or atmospheric changes affecting the gas-free conditions of the above tanks, or if in any doubt, immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

STANDARD SAFETY DESIGNATION

SAFE FOR MEN: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration that permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

K Dirks DS

REPRESENTATIVE TITLE INSPECTOR

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-94)
Please print or type. Form designed for use on elite (12-pit. writer.

See instructions on back

Page 6 (8092)

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAE0100823792 Manifest Document No. 01999

2. Page 1 of 1

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

3. Generator's Name and Mailing Address
EBMUD
375 11TH ST OAKLAND CA 94623-1055

4. Generator's Phone (510) 287-1677

5. Transporter 1 Company Name
ERICKSON INC

6. US EPA ID Number
CAD009466352

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Erickson, Inc.
255 Parr Blvd.
Richmond, Ca. 94801

10. US EPA ID Number
CAD009466392

(510) 235-1393

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	
Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.	001	T	P 900	P	
b.					
c.					
d.					

15. Special Handling Instructions and Additional Information
Keep away from sources of ignition. Always wear hardhats when working around
S.T.'s 24 Hr. Contact Name L. MONTGOMERY & Phone 916-939-4000

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the 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 federal, state and international laws.

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	Signature	Month	Day	Year
PATRICIA M. MORROW	Patricia M. Morrow	1	17	92

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JERRY L. HULSEY	Jerry L. Hulsey	1	17	92

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space
"I" INCOMPLETE PHONE #
S/B (510) 235-1393

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
KAREN RUFFIN	Karen Ruffin	1	17	92

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 1-800-852-7550

DTSC 8022A (12/91)
EPA 8700—22