

DEPARTMENT OF TRANSPORTATION

1121 7th Street
Oakland, CA 94607
(510) 286-0704

Contract No. 04-1922C4
04-Ala-880-31.6/32.7
In Oakland from
Washington Street to
8th Street



February 7, 1994

Alameda County
80 Swan Way, Room 200
Oakland, CA 94607
(510) 271-4530

Attention: Jennifer Eberle
Subject: Cal East Tank Removal Report

Your attention is directed to the attached original and one (1) copy of the Tank Removal Report prepared by Riedel Environmental Services, Inc. for:

Cal East Foods
505 Cedar Street
Oakland, CA 94607

Forthcoming is the proposal for a groundwater investigation involving monitoring wells on the above site that will be delivered on or before February 25, 1994 to your office.

If you have any questions or comments, please contact Kate Pargett of this office at (510) 286-0709.

Joe Browne
District Director

By: *Kathleen R. Pargett*

Kathleen R. Pargett
Resident Engineer

cc: File 5.3
J. Ross

94 FEB -7 AM 10:21
HAZMAT
ALCO



RIEDEL ENVIRONMENTAL
SERVICES INC.

California/Western Region:
4138 Lakeside Drive
Richmond, California 94806
(510) 222-7810
FAX: (510) 222-6868

21 January 1994

Ms. Kathleen R. Pargett, P.E.
California Department of Transportation
District 4 Construction
1121 7th Street, 2nd Floor
Oakland, CA 94607-2601

**Re: Tank Removal Report - 505 Cedar Street, Oakland, California
RES Project 4280-9324**

Dear Ms. Pargett,

Riedel Environmental Services, Inc. is pleased to present this report of the tank removal conducted at the California Department of Transportation site located at 505 Cedar Street in Oakland, California.

A copy of this report should be submitted to the Alameda County Department of Environmental Health, Hazardous Materials Division. Additional copies of this report are provided.

If you have any questions, or require additional information, please feel free to contact the undersigned at (510) 222-7810.

Sincerely,

RIEDEL ENVIRONMENTAL SERVICES, INC.

Mark Williams
Project Manager

Christopher B. White, RG 4983
Senior Geologist

RECEIVED

JAN 25 1994

CALTRANS
Construction
Oak / West Office



Who is the property
owner now? Caltrans?

Why did Caltrans remove
the tank?

What did Reedel do
to the holes on the tank
when they transported
it to Richmond?

TANK REMOVAL REPORT

California Department of Transportation
505 Cedar Street
Oakland, California

1.0 INTRODUCTION

This report documents the removal of a 2500-gallon, single-walled, steel underground storage tank (UST) and the soil remediation conducted by Riedel Environmental Services, Inc. (RES) at the California Department of Transportation (Caltrans) site located at 505 Cedar Street in Oakland, California (see Site Location Map, Figure 1). The initial scope of work entailed the removal of the UST and the required soil sampling and analysis. Additional work consisting of over-excavation of the UST pit and additional sampling was also conducted. w/ tar wrap

The subject property is located in an industrial area between 7th and 5th Streets (see Figure 2). The property was previously occupied by Cal East Foods as a food processing facility utilizing cold storage equipment. The UST and associated fuel dispensing equipment had been used for fleet operation purposes. A prior report prepared for Caltrans by Geo/Resource Consultants (*Area 1 Cal East Foods 53P614*) had indicated that the capacity of the UST was 10,000 gallons.

2.0 UST REMOVAL AND SOIL SAMPLING

On 17 and 18 November 1993, RES staff conducted the removal of a 2500-gallon, single-walled steel UST from the subject site. Confirmatory samples of the native soils in the sidewalls and bottom of the UST pit were obtained for analysis. Copies of the tank removal permits, notification forms, and record of inspection are included in Appendix A.

2.1 UST Removal

Upon arrival at the site, RES staff removed approximately 50 gallons of residual fuels from the tank and then triple-washed the tank. RES crews demolished a concrete slab overlying the UST and began excavation activities. Excavated soils were placed on 10-mil plastic sheeting adjoining the excavation. The UST and associated piping were exposed. RES crews placed the removed tank piping and dispensing equipment on the plastic sheeting pending disposal with the UST. The UST was measured, and found to be approximately 2500-gallons in capacity.

On 18 November 1993, the tank was inerted with 50 pounds of dry ice by RES staff. RES personnel tested the tank atmosphere and verified the percent of the lower explosive limit (LEL) and oxygen content utilizing a Gastek 1314 LEL/O₂ meter. Once fully inerted, the tank was lifted from the excavation and placed on the ground for inspection. Two noticeable holes,

approximately 3/4-inch in diameter, were found in the fill end of the tank near the bottom. The tank, piping, and dispensing equipment were loaded onto a flatbed truck and transported by Erickson Inc. to their tank disposal facility in Richmond, California. Copies of the Uniform Hazardous Waste Manifests for the transportation and disposal of the tank contents and wash water (manifest No. 9269310) and for the transportation and disposal of the tank (manifest No. 93132324), and the tank certificate of destruction are provided in Appendix B. ✓

2.2 Initial Sampling

Upon removal of the UST, the dimensions of the excavation were 9 feet wide, 14 feet long, and 8 feet deep. RES staff cleaned out the loose soil in the bottom of the tank pit to a depth of 10 feet below grade.

Sample EX-1 was obtained from the bottom of the excavation directly below the former location of the northern end of the UST. Sample EX-2 was obtained from the bottom of the excavation directly below the former location of the southern (fill port) end of the UST. Soil samples were obtained from each of the excavation sidewalls at depths of 8 feet below grade. Sample SW-1 was obtained from the eastern sidewall, located nearest Cedar Street. Samples SW-2, SW-3, SW-4 were obtained from the southern, western, and northern sidewalls, respectively. The location of the excavation soil samples obtained on 18 November 1993 are shown on Figure 3. ✓

Upon completion of soil sample activities, RES staff secured the site from public access.

2.3 Soil Sample Analysis

The soil samples obtained from the site were transported to Chromalab, Inc. of San Ramon, California for analysis. The two excavation bottom samples (EX-1 and EX-2) and the four sidewall samples (SW-1, SW-2, SW-3, and SW-4) were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA Method 5030/8015, the fuel components benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8020, and total lead by EPA Method 3050/6010. Sample SW-1 was also analyzed for total petroleum hydrocarbons as diesel (TPHd) by method 3550/8015 and for oil and grease by Standard Method 5520 E&F.

The results of the analytical testing indicated that all six samples contained detectable concentrations of TPHg and BTEX compounds. Samples SW-1 and SW-2 contained the highest concentrations of TPHg and BTEX. Sample SW-1 contained 5,200 milligrams per kilogram (mg/kg or parts per million [ppm]) TPHg, 52 ppm benzene, 290 ppm toluene, 70 ppm ethylbenzene, 400 ppm xylenes, and 73 ppm total lead. Sample SW-1 contained 77 ppm oil and grease, but did not contain detectable concentrations of TPHd. Sample SW-2 contained 13,000 ppm TPHg, 71 ppm benzene, 630 ppm toluene, 170 ppm ethylbenzene, 1,100 ppm xylenes, and 31 ppm total lead. Samples EX-1, EX-2, SW-3, and SW-4 contained concentrations ranging from 7.2 to 27 ppm TPHg, 0.93 to 2.7 ppm benzene, 0.017 to 4.7 ppm toluene, 0.067 to 0.34 ppm ethylbenzene, and 0.31 to 1.7 ppm xylenes. A summary of the analytical results is presented in Table 1. Laboratory result sheets and the accompanying Chain-of-Custody Record are provided in Appendix C.

3.0 OVER-EXCAVATION OF TANK PIT AND SOIL SAMPLING

Based on the results of analytical testing, Ms. Kathleen Pargett of Caltrans requested over-excavate the tank pit in an effort to remove as much of the gasoline-impacted soil as possible. The additional work consisted of the over-excavation of the tank pit and confirmatory sampling and analysis of the excavation sidewalls soils.

3.1 Over-excavation of Tank Pit

On 23 November 1993, RES staff arrived on site to conduct the over-excavation of the tank pit. Approximately 18 inches of water was present in the bottom of the tank pit. A sample of the ponded water (sample GW-1) was obtained for analysis. The ponded water was then pumped out and transported by Petroleum Recycling Corporation (PRC) to their facility in Patterson, California for recycling. A copy of the Uniform Hazardous Waste Manifest (No. 93195029) is included in Appendix B. ✓

can't see the #

After dewatering the tank pit, RES crews over-excavated the four sidewalls of the tank pit and the tank pit floor. The sidewalls were excavated to enlarge the tank pit to 21 feet in length and 15 in width. The bottom of the tank pit was excavated to a depth of 12 feet below grade. ✓

3.2 Soil Sampling

Upon completion of over-excavation, RES staff retrieved soil samples from the tank pit bottom and sidewalls. The confirmatory soil samples were obtained from the same areas as the previous soil samples, and were labeled with the same sample ID followed by an "A". Samples EX-1A and EX-2A were obtained from the northern and southern ends of the tank pit floor at a depth of 12 feet below grade. Samples SW-1A, SW-2A, SW-3A, and SW-4A were obtained at a depth of eight feet below grade from the eastern, southern, western, and northern sidewalls, respectively. Two 4-point composite samples of the stockpiled soil material were also obtained: The composite samples consisted of two sets of discrete samples (samples SP1, SP2, SP3, and SP4 and samples SP5, SP6, SP7, and SP8). The excavation and stockpile composite sample location are shown on Figure 4. ✓

3.3 Sample Analysis

Excavation samples SW-1A, SW-2A, SW-3A, SW-4A, EX-1A, and EX-2A and stockpile composite samples SP1/SP2/SP3/SP4 and SP5/SP6/SP7/SP8 were analyzed for TPHg and BTEX. Sample SW-1A was also analyzed for oil and grease and total lead. The composite samples were also analyzed for CAM 17 Metals by EPA Methods 3050/6010/7471 and volatile organics by EPA Method 8240. Water sample GW-1 was analyzed for TPHg, BTEX, and total lead.

The results of the laboratory analyses indicated that the TPHg and BTEX concentrations in the excavation soil samples are significantly lower than the initial sample results obtained prior to over-excavation. Samples SW-1A, SW-2A, EX-2A contained 45, 23, and 1.3 ppm TPHg, respectively. TPHg was not detected in samples SW-3A, SW-4A, or EX-1A. Water sample GW-1 contained 31 ppm TPHg, 6.3 ppm benzene, 6.9 ppm toluene, 0.65 ppm ethylbenzene, 5200 ppm total xylenes, and 0.02 ppm total lead.

The composite stockpile samples contained up to 2700 ppm TPHg, 18 ppm benzene, 10 ppm toluene, 37 ppm ethylbenzene, and 200 ppm total xylenes. The two composite samples were also found to contain acetone (1.5 and 4.6 ppm), methyl ethyl ketone (MEK) (5.9 and 15 ppm), methyl isobutyl ketone (13 and 52 ppm). Sample SP5/SP6/SP7/SP8 also contained 2.0 ppm tetrachloroethene (PCE). Of the detected metals, only mercury (at 0.28 ppm in sample SP5/SP6/SP7/SP8) was present in the stockpile composite samples at a concentration which was greater than 10 times the California Code of Regulations Title 22 Soluble Threshold Limit Concentration (STLC) value. Mercury's STLC value is 0.02 ppm.

A summary of the analytical results is presented in Table 1. Laboratory data sheets and the accompanying Chain-of-Custody Records are provided in Appendix C.

4.0 EXCAVATION BACKFILL AND SOIL DISPOSAL

4.1 Excavation Backfilling *did not get ALC approval*

On 14 December 1993, RES staff arrived on site to backfill the tank pit excavation. Imported sand was utilized as backfill material. A total of 171 tons of sand was used to fill the excavation to approximately six inches above grade. Copies of the backfill weight tags are presented in Appendix D. ✓

4.2 Transportation and Disposal of Impacted Soils

The stockpiled soil was profiled as a hazardous waste, based on the composite sample analytical results, and accepted for disposal at Gibson Oil, Inc. landfill in Bakersfield, California.

On 15 December 1993, RES staff arrived on site to load the stockpiled soil materials for transport and disposal. A total of 161.50 tons of soil was transported from the site under Hazardous Waste Manifest (manifest numbers: 93057604, 93057603, 93057602, 93057601, 93057605, 93057606, and 93057607). Copies of the Uniform Hazardous Waste Manifests are presented in Appendix B. ✓

need entire page

yd³
16-
18-
23-
14-
18-
18-
18-
129 yd³

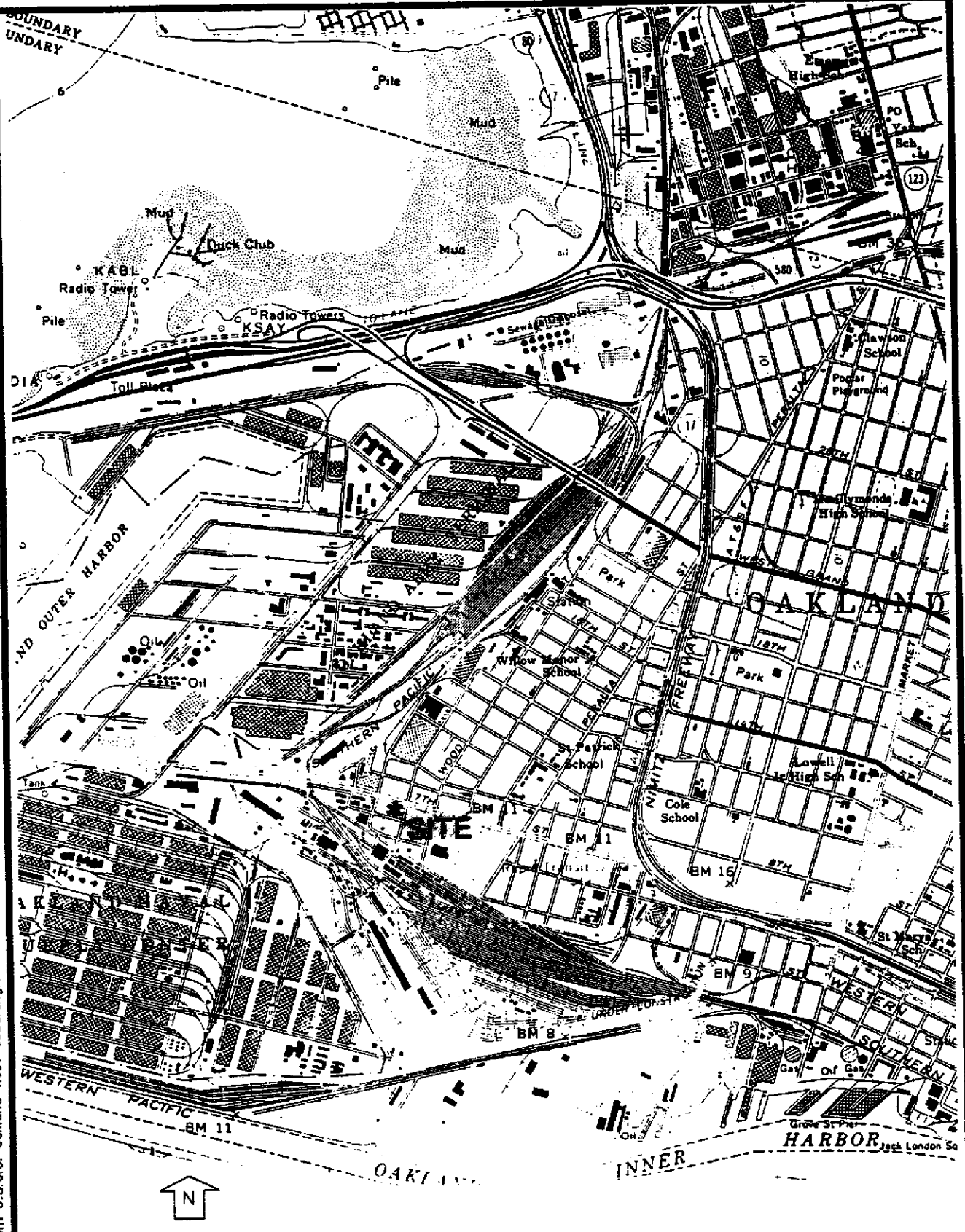
TABLE 1. Summary of Analytical Results

Sample ID	Sample Date	TPH Gasoline (ppm)	TPH Diesel (ppm)	Oil & Grease (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-benzene (ppm)	Total Xylenes (ppm)	total lead (ppm)	CAM 17 Metals	EPA Method 8240 Compounds
EX-1	11-18-93 ✓	7.2 ✓	-	-	0.93 ✓	0.26	0.067	0.35	2.4 ✓	-	-
EX-2	11-18-93	15 ✓	-	-	2.7 ✓	3.0	0.23	1.3	3.1 ✓	-	-
SW-1	11-18-93	5200 ✓	<10 ✓	77 ✓	52 ✓	290	70	400	73 ✓	-	-
SW-2	11-18-93	13000 ✓	-	-	71 ✓	630	170	1100	31 ✓	-	-
SW-3	11-18-93	6.7 ✓	-	-	0.31 ✓	0.017	0.24	0.31	2.5 ✓	-	-
SW-4	11-18-93	27 ✓	-	-	1.2 ✓	4.7	0.34	1.7	4.6 ✓	-	-
<i>overex</i> *EX-1A	11-23-93 ✓	<1.0 ✓	-	-	0.13 ✓	<0.005	<0.005	<0.005	-	-	-
*EX-2A	11-23-93	1.3 ✓	-	-	0.0084 ✓	0.047	0.009	0.062	-	-	-
*SW-1A	11-23-93	45 ✓	-	<50 ✓	0.16 ✓	0.50	0.40	2.3	<0.5 ✓	-	-
*SW-2A	11-23-93	23 ✓	-	-	0.32 ✓	0.62	0.32	1.8	-	-	-
*SW-3A	11-23-93	<1.0 ✓	-	-	<0.005 ✓	<0.005	<0.005	<0.005	-	-	-
*SW-4A	11-23-93	<1.0 ✓	-	-	0.017 ✓	<0.005	0.0053	<0.005	-	-	-
GW-1	11-23-93	31 ✓	-	-	6.3 ✓	6.9	0.65	5.2	0.02 ✓	-	-
SP1-4	11-23-93	480	-	-	0.37	5.5	3.9	25	17 ✓	<10x STLC	d ¹
SP5-8	11-23-93	2700	-	-	18	10	37	200	25 ✓	0.28 Hg ²	d ²

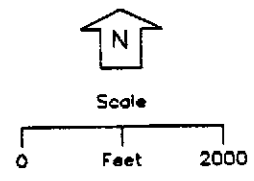
ppm Parts per million (milligrams per kilogram [mg/kg] for soil samples or milligrams per liter [mg/l] for water samples).
 <10 Indicates that the constituent analyzed was not detected at a concentration above the stated detection limit.
 - Not analyzed.
 <10x STLC Total concentrations of detected metals were not greater than 10 times the California Title 22 Soluble Threshold Limit Concentration values.
 * Mercury was the only detected metal which was greater than 10 times the STLC value. The Title 22 STLC value for mercury is 0.02 mg/l (ppm).
 d One or more EPA Method 8240 compounds were detected. See notations below.
 1 Composite sample SP1/SP2/SP3/SP4 contained the EPA 8240 compounds acetone (1.5 ppm), methyl ethyl ketone (MEK) (15 ppm), methyl isobutyl ketone (13 ppm), and BTEX (EPA 8020 results listed).
 2 Composite sample SP5/SP6/SP7/SP8 contained the EPA 8240 compounds acetone (4.6 ppm), MEK (5.9 ppm), methyl isobutyl ketone (52 ppm), tetrachloroethene (PCE) (2.0 ppm), and BTEX (EPA 8020 results listed).

* soil left in place

Drawn: E. Barton
 Date: 7/10/93
 Checked: [Signature]
 Approved: [Signature]
 Job No: 4280-9324
 CAD File: Draw1-94\CTCales2



Base Map from U.S.G.S. Oakland West Quadrangle



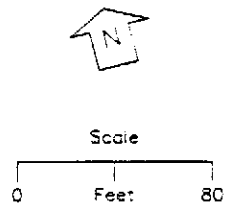
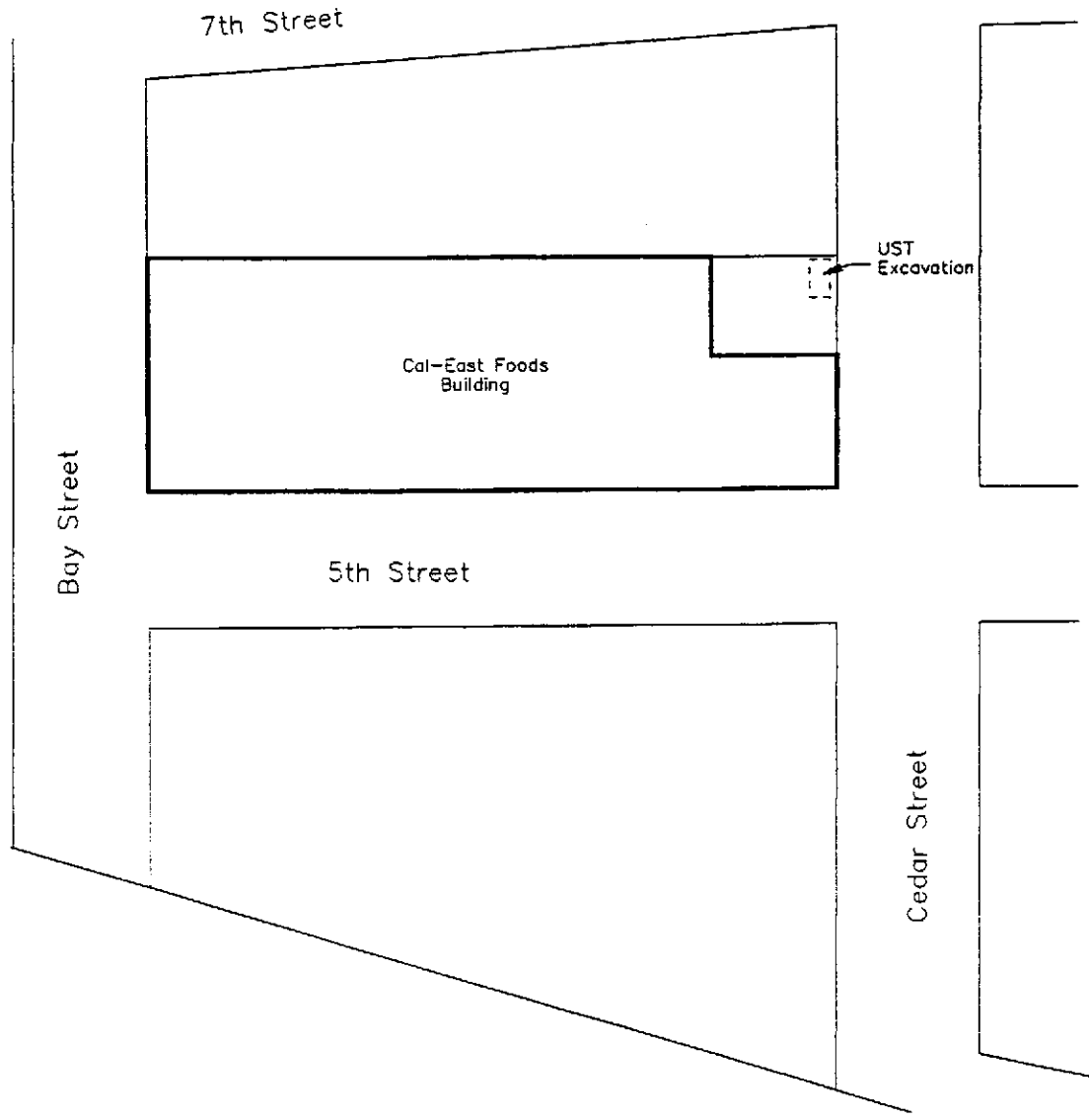
Site Location Map
 CalTrans/Cal-East Foods
 Cypress Construction Office
 Oakland, CA



RIEDEL ENVIRONMENTAL SERVICES, INC
 RICHMOND, CALIFORNIA

FIGURE
 1

Drawn: C. Barton / 7/10/93
 Checked: [Signature] / 1-21-94
 Date: [Signature] / 1-21-94
 Approved: [Signature]
 Job No: 4280-9324
 CAD File: Draw1-94\CTCaIES2



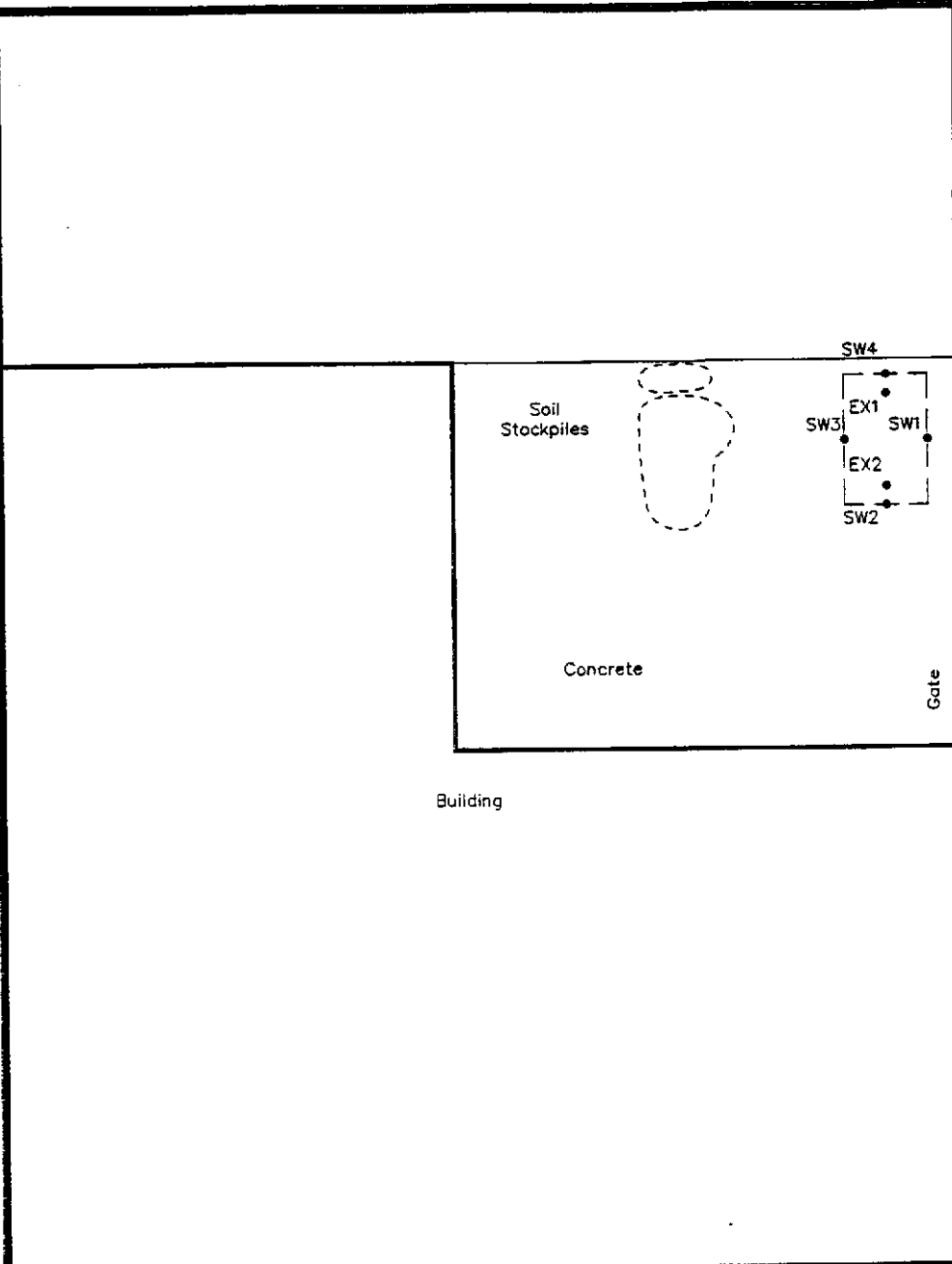
Site Vicinity Map
 CalTrans/Cal-East Foods
 Cypress Construction Office
 Oakland, CA



RIEDEL ENVIRONMENTAL SERVICES, INC RICHMOND, CALIFORNIA

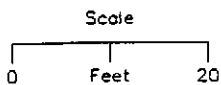
FIGURE
 2

Drawn: E. Barton
 Date: 7/10/93
 Checked: [Signature]
 Approved: [Signature]
 Job No: 4280-9324
 CAD File: Draw1-94\CTCalES2



Cedar Street
 UST Excavation
 10' Deep
 ok

5th Street



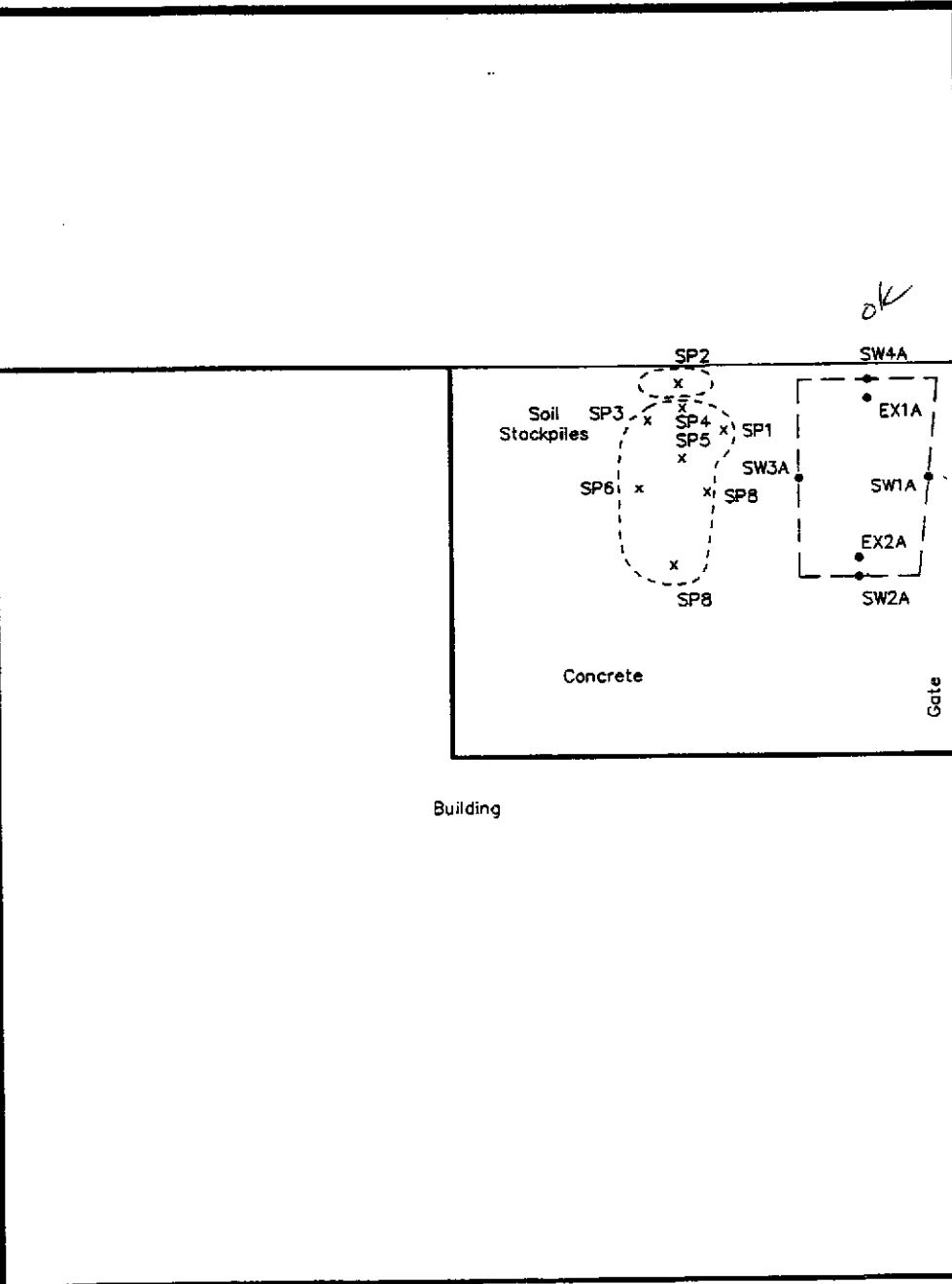
Sample Location Map
 November 18, 1993
 CalTrans/Cal-East Foods
 Cypress Construction Office
 Oakland, CA



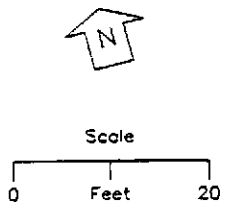
RIEDEL ENVIRONMENTAL SERVICES, INC
 RICHMOND, CALIFORNIA

FIGURE
 3

Drawn: Barton / 10/93
 Date: / /
 Checked: / /
 Approved: / /
 Job No: 4280-9324
 CAD File: Draw1-94\CTCoolIES2



5th Street



SW3A • Excavation Sample Location
 SP6 x Soil Stackpile Sample Location

Sample Location Map
 November 23, 1993
 CalTrans/Cal-East Foods
 Cypress Construction Office
 Oakland, CA



RIEDEL ENVIRONMENTAL SERVICES, INC
 RICHMOND, CALIFORNIA

FIGURE
 4

APPENDIX A

**Tank Removal Permit
Notification Forms
Record of Inspection**

ALAMEDA COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

60 Swan Way
Oakland, CA 94612
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name Cal East Foods Today's Date 1/18
 Site Address 505 Cedar St. (bet. 5th & 7th St.) EPA ID# _____
 City Oakland Zip 94607 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
 Hazardous Waste generated per month? _____

- Inspection Categories:**
- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
 - II. Business Plans, Acute Hazardous Materials
 - III. Underground Tanks Removal

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

LA GENERATOR (Title 22)	
<input type="checkbox"/> 1. Waste ID	66471
<input type="checkbox"/> 2. EPA ID	66472
<input type="checkbox"/> 3. > 90 days	66508
<input type="checkbox"/> 4. Label dates	66508
<input type="checkbox"/> 5. Biennial	66493
Manifest	
<input type="checkbox"/> 6. Records	66492
<input type="checkbox"/> 7. Correct	66484
<input type="checkbox"/> 8. Copy sent	66492
<input type="checkbox"/> 9. Exception	66484
<input type="checkbox"/> 10. Copies Rec'd	66492
Misc.	
<input type="checkbox"/> 11. Treatment	66371
<input type="checkbox"/> 12. On-site Disp. (H.S.&C)	26189.5
<input type="checkbox"/> 13. Ex. Haz. Waste	66570
Prevention	
<input type="checkbox"/> 14. Communications	67121
<input type="checkbox"/> 15. Aisle Space	67124
<input type="checkbox"/> 16. Local Authority	67126
<input type="checkbox"/> 17. Maintenance	67120
<input type="checkbox"/> 18. Training	67105
Conf'n. Agency	
<input type="checkbox"/> 19. Prepared	67140
<input type="checkbox"/> 20. Name List	67141
<input type="checkbox"/> 21. Copies	67141
<input type="checkbox"/> 22. Eng. Coord. Tng.	67144
Containers, Tanks	
<input type="checkbox"/> 23. Condition	67241
<input type="checkbox"/> 24. Compatibility	67242
<input type="checkbox"/> 25. Maintenance	67243
<input type="checkbox"/> 26. Inspection	67244
<input type="checkbox"/> 27. Buffer Zone	67246
<input type="checkbox"/> 28. Tank Inspection	67259
<input type="checkbox"/> 29. Containment	67245
<input type="checkbox"/> 30. Safe Storage	67261
<input type="checkbox"/> 31. Freeboard	67257
LB TRANSPORTER (Title 22)	
<input type="checkbox"/> 32. Applic./Insurance	66428
<input type="checkbox"/> 33. Comp. Cert./CHP Imp.	66448
<input type="checkbox"/> 34. Containers	66465
Manifest	
<input type="checkbox"/> 35. Vehicles	66465
<input type="checkbox"/> 36. EPA ID #s	66531
<input type="checkbox"/> 37. Correct	66541
<input type="checkbox"/> 38. HW Delivery	66543
<input type="checkbox"/> 39. Records	66544
Conf'n.	
<input type="checkbox"/> 40. Name/ Covers	66545
<input type="checkbox"/> 41. Recyclables	66800

9:50 arrived onsite
Comments:
 UST is actually ~2500 gal, not 10,000 gal. That removed ~50 gal as indicated on 11-17 under manifest. UST is steel w/itar wrap.
 Early morning ~2 AFD arrived. 50 lbs dry ice has been placed inside UST. There are RR tracks in UST vicinity, which may be responsible for diesel oil spill at 1.5' below floor level. 92 RRC report. Erickson visited for report UST under manifest #9313232. Tank removed. Two holes discovered on bottom/edges. UST was sitting in water. UST had some sitting. UST bottom at 10' below ground level. Emerald road spill, and a small amount of material under floor in pit. 2 bottom samples. The 5' area near floor shows discoloration and soil. (See map of site wall (alt. Cedar St.) has a hole, with substantial seepage in 12' by 12' hole. 4' hole seepage. (See map) Not enough water in pit to sample; but it was a big piece of maybe reacting product.

Rev 6/88

Contact: Mark Williams Inspector: [Signature]
 Title: UST, Exterior Mar Signature: [Signature]
 Signature: [Signature]

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name Cal East Foods Today's Date 11/23/93
 Site Address 505 Cedar St. EPA ID# _____
 City Oakland Zip 94607 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
 Hazardous Waste generated per month? _____

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

IA GENERATOR (Title 22)

11:30

- | | |
|----------------------------|---------|
| 1. Waste ID | 66771 |
| 2. EPA ID | 66772 |
| 3. > 90 days | 66508 |
| 4. Label dates | 66508 |
| 5. Biennial | 66593 |
| <hr/> | |
| 6. Records | 66792 |
| 7. Correct | 66484 |
| 8. Copy sent | 66492 |
| 9. Exception | 66484 |
| 10. Copies Rec'd | 66492 |
| <hr/> | |
| 11. Treatment | 66371 |
| 12. On-site Dis. (H.S.&C.) | 26189.5 |
| 13. Ex. Haz. Waste | 66570 |
| <hr/> | |
| 14. Communications | 67121 |
| 15. Aisle Space | 67124 |
| 16. Local Authority | 67126 |
| 17. Maintenance | 67120 |
| 18. Training | 67105 |
| <hr/> | |
| 19. Prepared | 67140 |
| 20. Name List | 67141 |
| 21. Copies | 67141 |
| 22. Emp. Coord. Trng. | 67144 |
| <hr/> | |
| 23. Condition | 67241 |
| 24. Compatibility | 67242 |
| 25. Maintenance | 67243 |
| 26. Inspections | 67244 |
| 27. Buffer Zone | 67246 |
| 28. Tank Inspection | 67259 |
| 29. Containment | 67245 |
| 30. Safe Storage | 67261 |
| 31. Handbook | 67257 |

Comments:
 Arrived onsite.
 Pit has water, which was sampled prior to my arrival (GWI) Approx. 1500 gal pit water was subsequently vacuumed out. Pit has been overexcavated to 12' bas, ~~the~~ which is the depth we originally thought we ~~we~~ took bottom samples at during tank removal on 11-18.
 Took 2 bottom samples (moist, due to gw), + 4 sidewall samples (see attached map).
 The stockpile is now ~ 170 yd³ in size. It will be sampled.
 12:25 left site

LB TRANSPORTER (Title 22)

- | | |
|---------------------------|-------|
| 32. Applic./Insurance | 66425 |
| 33. Comp. Cert./CHP Insp. | 66448 |
| 34. Containers | 66466 |
| <hr/> | |
| 35. Vehicles | 66466 |
| 36. EPA ID #s | 66531 |
| 37. Correct | 66541 |
| 38. HW Delivery | 66543 |
| 39. Records | 66544 |
| <hr/> | |
| 40. Name/ Covers | 66545 |
| 41. Recyclables | 66500 |

Rev 6/88

Contact: Caltrung
 Title: Transportation Engineer
 Signature: [Signature]

Inspector: Jennifer Eberle
 Signature: [Signature]

Excavation Permit Granted _____ No. _____

CITY OF OAKLAND

Tank Permit _____

Permit to Excavate and Install, Repair, or Remove Inflammable Liquid Tanks. No. 9758

Oakland, California, _____ November 15, 1993

PERMISSION IS HEREBY GRANTED TO ~~install~~ remove ~~excavate~~ Gasoline tank and excavate commencing _____ feet inside _____

_____th side of Cedar Street 100 feet west of 7th Street _____ Avenue

505 Cedar Street _____ Street _____ Avenue Present Storage _____

_____t. of Transportation _____ Address 1121 - 7th Street Phone 286-0709

Hiedel Environmental _____ Address 4138 Lakeside Dr. Richmond 94806 Phone 222-7810

_____r street (sidewalk) surface to be disturbed _____ X _____ Number of Tanks 1 Capacity 10,000 Gallons, each.

This Permit is granted in accordance with existing City Ordinances.
Owner hereby agrees to remove tanks on discontinuance of use or when notified by the City Authorities.
When installing, removing or repairing tanks, no open flame to be on or near premises.

Fire Marshal

Drainage Division Engineering Dept.

EXCAVATING PERMIT

_____ issued in accordance with Ord. No. 278 CMS, Sec. 6-2.04

_____ square feet of digging or removal granted.

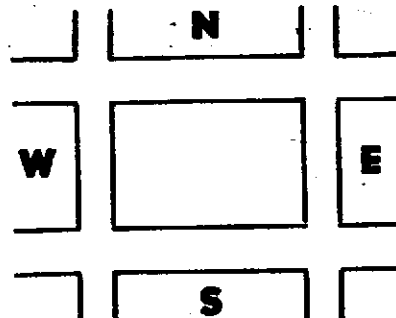
_____ of \$ _____ special deposit is hereby acknowledged.

GENERAL DEPOSIT.

BUREAU OF PERMITS AND LICENSES.

_____ Fee Paid _____ \$ 80.00 ck#2795 rec#692778

G. M. Johnson _____
FIRE PREVENTION BUREAU



CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Inspected and passed on _____ 19____

By _____ Fire Marshal

NOTICE

Before Covering Tanks, Above Certificate Must Be Signed.

When ready for inspection notify Fire Prevention Bureau, 273-3851

THIS PERMIT MUST BE LEFT ON THE WORK AS AUTHORITY THEREFOR.



**City of Oakland
CASH RECEIPT**

Cash Receipt No 692778

Cash Receipt Voucher # C.R.

Cash
Check \$2795

Payment Received from: Riedel Environmental Assoc, Inc.

DIRECT CASH CREDITS

Item	Remarks	Fund/SF	Organization	Account	Proj/Grant/ Cost Ctr/WO	Yr	Loc	Task	Dept Specific	Fixed Asset No	Trans ID	Revenue Source	Amount
1	<u>U.G. tank</u>	<u>10100</u>	<u>20310</u>	<u>43412</u>		<u>4</u>							<u>80.00</u>
2													.
3													.
4													.
5													.
SUBTOTAL												<u>80.00</u>	

Auxiliary Receipt Reference # 505 Cedar St.

Explanation: _____

ACCOUNTS RECEIVABLES

Item	Description	Customer Number	Invoice Number	Amount
1				.
2				.
3				.
4				.
5				.
SUBTOTAL				.
TOTAL				<u>80.00</u>

<p><u>Fire Prevention</u> Department Collecting the Cash</p> <p><u>G.M. Johnson</u> <u>11/12/93</u> Received by</p>	Received by: _____	Entered by: _____
	<p>Treasury Section</p> <p>RRCC or Grant Fiscal Affairs</p>	

CITY OF OAKLAND
REPORT OF FIRE INSPECTION

ENGINE CO.

ADDRESS 505 CEDAR

NAME Cal East Foods / Riedel Environmental

GENERAL INSPECTION

PERMIT
OTHER

HAZARD NOTED

HAZARD ABATED

NOTICE LEFT LETTER

1st NOTICE

2nd NOTICE

FINAL

DATE	VIOLATION	O.F.C.	CONTACTED
11-18-93	WITNESSED TANK REMOVAL 2,000 gal gasoline tank, LEL 8% O ₂ 3.3%		

A REINSPECTION WILL BE MADE WITHIN _____ DAYS.

FIRE PREVENTION BUREAU — PHONE 273-3851

INSPECTOR TARY GILLIS

REGULATION 8, RULE 40
Aeration of Contaminated Soil and
Removal of Underground Storage Tanks

NOTIFICATION FORM

Removal or Replacement of Tanks
Excavation of Contaminated Soil

INFORMATION

Lenschan

94607
TRANSFORMATION

CONTAMINATED SOIL EXCAVATION

STARTUP DATE 11-9-93
TANKS WILL BE COVERED? YES NO

AERATION METHOD (DESCRIBE BELOW):
(MAY REQUIRE PERMIT)

CONTACT INFORMATION

CONTACT MARK WILLIAMS
PHONE (510) 222-7810
94806

CONTACT INFORMATION (CABLE)

CONTACT MARK WILLIAMS
PHONE (510) 222-7810
94806

DATE 11/9/93 (INIT.)
BY [Signature] (INIT.)

NOTICE MADE _____

REF. /
A/C NO. R

COUNTY OF ALAMEDA
OFFICE OF THE AUDITOR-CONTROLLER

MISCELLANEOUS RECEIPT

DATE: 11 15 1993
NO: 704562

\$ 483.00

Pacific Gas and Electric Company

Central Division
4801 Oakport Street
Oakland, CA 94601

11-16-93

RES. Inc.
NOV 19 1993

Received



RYDELL ENVIRONMENTAL SERVICES
Attn: MIKE SULLKA
1138 LAKESIDE DR
RICHMOND, CA 94806

Dear Sir or Madam:

Thank you for notifying PG&E of your intent to work in the vicinity of our underground facilities. Information about the location(s) is or will be provided by surface markings at the work site.

The message which we received from U&I indicates work will be done for ticket 4355315-00 in the vicinity of:

Street address: 301 CEDAR ST
Cross Street: 214 ST

We will continue to provide you with the most current information regarding our underground facilities in the vicinity of your work site. The nature of underground work is continually changing and information prohibits any guarantee as to their exact location. The precise location of underground facilities can only be determined by using approved aerial photography in conjunction with California Department of Public Safety, Division of Geomatics, and the U&I Data Center, 2145 California Street, Richmond, California 94804.

We will continue to provide you with the most current information regarding our underground facilities in the vicinity of your work site. The nature of underground work is continually changing and information prohibits any guarantee as to their exact location. The precise location of underground facilities can only be determined by using approved aerial photography in conjunction with California Department of Public Safety, Division of Geomatics, and the U&I Data Center, 2145 California Street, Richmond, California 94804.

Should you have any questions regarding the construction of the underground facilities, please contact the Construction Services Department, 4801 Oakport Street, Oakland, California 94601. For more information, please contact the Construction Services Department, 4801 Oakport Street, Oakland, California 94601.

"Prior to opening an excavation, effort shall be made to determine whether underground installations (i.e., sewer, water, fuel, electric lines, etc.) will be encountered and, if so, where such underground installations are located. When the excavation approaches the approximate location of such an installation, the exact location shall be determined by careful probing or hand-digging; and, when it is uncovered, adequate protection shall be provided for the existing installation. All known owners of underground facilities in the area concerned shall be advised of proposed work at least 48 hours (2 working days) prior to the start of actual excavation" (Call USA toll free 800-642-2444.)

Any further information you may desire may be obtained by contacting Denise Lee at 437-2211 (Gas Tapping).

Sincerely,



James E. Dumas
Gas & Utility Operations Manager

JED:la

APPENDIX B

**Uniform Hazardous Waste Manifests
(tank rinsate, tank, ponded water, and soil)
Tank Destruction Certificate**

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-632-7350

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA000949168	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 Caltrans 1121 7th St. Oakland, CA 94607		Manifest Document Number: 013 Generator's ID: CA000949168 Generator's Phone: 510-286-0709 Transporter's ID: CA083166729 Transporter's Phone: 916-874-4444			
4. Generator's Phone (510) 286-0709					
5. Transporter 1 Company Name PRC PATTERSON, INC					
6. US EPA ID Number CA083166729					
7. Transporter 2 Company Name					
9. Designated Facility Name and Site Address PRC PATTERSON, INC 13331 N. HWY 33 PATTERSON, CA 95363-9998		10. US EPA ID Number CA083166729			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt/Vol	15. Waste Number
a. NON RCRA HAZARDOUS WASTE LIQUID		No. 001	Type TT	410	G
b.					
c.					
d.					
Additional Description of Materials Listed Above		Handling Codes for Wastes Listed Above			
HAZAR 11		01		b.	
				d.	
15. Special Handling Instructions and Additional Information 24 HR. EMERGENCY CONTACT: PRC # 1-(800)874-4444 24 HR. EMERGENCY RESPONSE: CHEM TEL INC #1-(800) 255-3924 APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATOR					
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 Kenny Sandvik		Signature <i>[Signature]</i>		Month Day Year 11/17/93	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>[Signature]</i>		Month Day Year 11/17/93	
Printed/Typed Name Marc Arens		Signature <i>[Signature]</i>		Month Day Year	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month Day Year	
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.				Month Day Year	
Printed/Typed Name		Signature		Month Day Year	

DO NOT WRITE BELOW THIS LINE.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
 To: P.O. Box 400, Sacramento, CA 95812-0400

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-882-7550

GENERATOR

TRANSPORTER

FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA000009491168312131214		Manifest Document No. 214		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address Pathway Supplies Construction & Office 1121 7th Street Oakland CA 94607		4. Generator's Phone (510) 280-0709							
5. Transporter 1 Company Name ERICKSON INC.		6. US EPA ID Number CA0000094663902							
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 CA0000094663902							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers		13. Total Quantity		14. Unit Wt/Vol	
a. Waste Empty Storage Tank NON-RCRA Hazardous Waste Solid.				No. Type		Quantity		Wt/Vol	
b.									
c.									
d.									
15. Special Handling Instructions and Additional Information Keep away from sources of ignition. Always wear hardhats when working around U.G.S.T.'s 24 Hr. Contact Name <u>W. Wiles</u> & Phone <u>510-280-0709</u>				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.		17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name: <u>Stan Wiles</u> Signature: <u>[Signature]</u> Month: <u>11</u> Day: <u>11</u> Year: <u>1993</u>		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.

Blue. GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
 To: P.O. Box 400, Sacramento, CA 95812-0400

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE
CERTIFIED SERVICES COMPANY
255 Parr Boulevard • Richmond, California 94801

NO. 18917

CUSTOMER RIEDEL
JOB NO. 83368

FOR: Erickson, Inc. TANK NO. 12597 ✓

LOCATION: Richmond DATE: 11/19/93 TIME: 08:16:24

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT Leaded Gas

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 permissible 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.

Delta REPRESENTATIVE TITLE B INSPECTOR

93195029

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-9602; WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1419039491189		Manifest Document No. 5029		2. Page 1 1 of 1		Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address [415] 236-0709											
4. Generator's Phone ()											
5. Transporter 1 Company Name PETROLEUM RECYCLING CORP.					6. US EPA ID Number QAT Q8Q Q14 Q59						
7. Transporter 2 Company Name											
8. US EPA ID Number											
9. Designated Facility Name and Site Address PETROLEUM RECYCLING CORP. 13331 NORTH HIGHWAY 33 PATTERSON, CA 95363											
10. US EPA ID Number CAD 083 166 728											
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)								12. Containers		13. Total	14. Unit
a. NON RCRA Hazardous Waste. Liquid								No.		Quantity	Wt/Vol
								011		71	011500 G
b.											
c.											
d.											
15. Special Handling Instructions and Additional Information 24 HR. EMERGENCY CONTACT: 1-800-674-4444 24 HR. EMERGENCY RESPONSE: CHEM TEL INC. 1-800-255-3924 <u>APPROPRIATE PROTECTIVE CLOTHING & RESPIRATOR</u>											
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 Henry Sanduk				Signature <i>[Signature]</i>				Month 11		Day 23	Year 91
17. Transporter 1 Acknowledgement of Receipt of Materials											
Printed/Typed Name Patricia M. Leach				Signature <i>[Signature]</i>				Month 11		Day 23	Year 91
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 Steph...				Signature <i>[Signature]</i>				Month 11		Day 23	Year 91

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDf SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.
(Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
191497168	57603		

on

US EPA ID Number

1A1D1518131061613122

US EPA ID Number

US EPA ID Number

110911011177

Name and ID Number)	12. Containers		13. Total Quantity	14. Unit Wt/Vol
	No.	Type		
9, NA3077		DLT	110	YDS

CA Emergency contact: Mark Williams, 510-222-7810

THING AND EQUIPMENT. ERG#31

contents of the consignment are fully and accurately described above by proper shipping name and are classified, condition for transport by highway according to applicable federal, state and international laws.

program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be the best method of treatment, storage, or disposal currently available to me which minimizes the present and future quantity of waste generated, I have made a good faith effort to minimize my waste generation and select the best method of disposal currently available to me.

Signature	Month	Day	Year
	11	21	93
Signature	Month	Day	Year
	11	21	93
Signature	Month	Day	Year

materials covered by this manifest except as noted in item 19.

Signature	Month	Day	Year

NOT WRITE BELOW THIS LINE.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
603		

313

17

Containers	Type	13. Total Quantity	14. Unit Wt/Vol

to: Mark Williams, 510-222-7810

ERG#31

contents of the consignment are fully and accurately described above by proper shipping name and are classified, condition for transport by highway according to applicable federal, state and international laws.

program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be the best method of treatment, storage, or disposal currently available to me which minimizes the present and future quantity of waste generated, I have made a good faith effort to minimize my waste generation and select the best method of disposal currently available to me.

Signature	Month	Day	Year
	11	21	93
Signature	Month	Day	Year

materials covered by this manifest except as noted in item 19.

Signature	Month	Day	Year

E.

GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
P.O. Box 400, Sacramento, CA 95812-0400

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR
TRANSPORTER
FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA1C1010191491168	Manifest Document No. 5176102	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address California Dept. of Transportation 1211 7th St., Oakland, CA 94607					
4. Generator's Phone (510) 286-0709					
5. Transporter 1 Company Name Don Rounds Trucking			6. US EPA ID Number CA1D14121316151746		
7. Transporter 2 Company Name					
8. US EPA ID Number					
9. Designated Facility Name and Site Address Gibson Oil, Inc Commerical Dr. Bakersfield, CA 93308					
10. US EPA ID Number CA1D98108831177					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. RO HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077 PG III, 9 D018 (contains benzene)		No. Type 10 2 D T		101023	T
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information SITE : 505 Cedar ST., Oakland, CA Emergency contact: Mark Williams, 510-222-7810 Gibson Release # 16733 WEAR APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT, ERG#31					
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 Kenny ...		Signature <i>[Signature]</i>		Month Day Year 12/15/93	
17. Transporter 1 Acknowledgement of Receipt of Materials					
Printed/Typed Name Don M Rounds		Signature <i>[Signature]</i>		Month Day Year 12/15/93	
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.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
 To: P.O. Box 400, Sacramento, CA 95812-0400

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

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 California Dept. of Transportation 1511 7th St. Oakland, CA 94607		4. Generator's Phone (510) 233-8700		[REDACTED]		
5. Transporter 1 Company Name	6. US EPA ID Number					
7. Transporter 2 Company Name	8. US EPA ID Number					
9. Designated Facility Name and Site Address PIERSON OIL, INC. COMMERCIAL DR. SUNNYSIDE, CA 95008		10. US EPA ID Number				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers				
a. NO HAZARDOUS WASTE SOLID, N.O.S., 9, NA3007 EG III, 8 0018 (contains benzene)		No. Type				
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information EMERGENCY CONTACT: [REDACTED], 510-233-7810 FURTHER INFORMATION: 1-877-364-3688 WEAR APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT. (ERG 15)						
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
[REDACTED]		[REDACTED]		11	21	1993
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month	Day	Year
Printed/Typed Name		Signature		Month	Day	Year
[REDACTED]		[REDACTED]		11	21	1993
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	Day	Year
Printed/Typed Name		Signature				
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.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA C 0 0 0 9 4 9 1 6 8		Manifest Document No. 5 7 6 0 5		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address California Dept. of Transportation 1211 7th St. Oakland, CA 94607		4. Generator's Phone 510 286-0709		5. Transporter 1 Company Name <i>Kinco Trucking</i>		6. US EPA ID Number CA 0 9 8 2 5 1 1 8 1 C R			
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address GIBSON OIL, INC. COMMERCIAL DR. BAKERSFIELD, CA 93308		10. US EPA ID Number D A 0 9 8 0 8 8 3 1 7 7			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol			
a. RQ HAZARDOUS WASTE SOLID, N.O.S. 9, NA3077 PG III, 9 D018 (contains benzene)		No. Type		Quantity		Unit Wt/Vol			
b.									
c.									
d.									
15. Special Handling Instructions and Additional Information SITE: 505 Cedar St., Oakland, CA Emergency contact: Mark Williams, 510-222-7810 Gibson Release # 16733 WEAR APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT. ERG#31									
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 <i>Kenny Sandvik</i>				Signature <i>[Signature]</i>		Month Day Year 11 21 1993			
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>		Month Day Year 11 21 1993			
18. Transporter 2 Acknowledgement of Receipt of Materials				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.				Signature		Month Day Year			

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Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
 To: P.O. Box 400, Sacramento, CA 95812-0400

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA000094916857601		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 California Dept. of Transportation 1211 7th St., Oakland, CA 94607											
4. Generator's Phone (510) 286-0709											
5. Transporter 1 Company Name <i>Den Beste Trucking</i>					6. US EPA ID Number CA000025117632						
7. Transporter 2 Company Name					8. US EPA ID Number						
9. Designated Facility Name and Site Address GIBSON OIL, INC. COMMERCIAL DR. BAKERSFIELD, CA 93308					10. US EPA ID Number CA0980863177						
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol	
						No. Type		Quantity		Wt/Vol	
a. RO HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077 PG III, 9 D018 (contains benzene)						12 DIT		600018		YES	
b.											
c.											
d.											
15. Special Handling Instructions and Additional Information SITE: 505 Cedar St., Oakland, CA Emergency contact: Mark Williams, 510-222-7810 Gibson Release # 16733 WEAR APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT. ERG#31											
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 <i>Ken Sankuk</i>				Signature <i>[Signature]</i>				Month Day Year 12 15 93			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>Craig Stewart</i>				Signature <i>[Signature]</i>				Month Day Year 12 15 93			
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.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
 To: P.O. Box 400, Sacramento, CA 95812-0400

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CA C 0 0 0 0 9 4 9 1 6 8		Manifest Document No. 5 7 6 0 7		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address California Dept. of Transportation 1211 7th St. Oakland, CA 94607		4. Generator's Phone (510) 286-0709-		5. Transporter 1 Company Name Le Strange Trucking		6. US EPA ID Number CA D 9 8 0 8 8 3 1 7 7			
7. Transporter 2 Company Name		8. US EPA ID Number		9. Designated Facility Name and Site Address GIBSON OIL, INC COMMERCIAL DR. BAKERSFIELD, CA 93308		10. US EPA ID Number			
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol			
a. RQ HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077 PG III, 9 D018 (contains benzene)		No. Type 002 D 1 T		18					
b.									
c.									
d.									
15. Special Handling Instructions and Additional Information SITE: 505 Cedar St., Oakland, CA Emergency contact: Mark Williams, 510-222-7810 Gibson Release #16733 WEAR APPROPRIATE PROTECTIVE CLOTHING AND EQUIPMENT. ERG#31									
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 Harry Sandak		Signature 		Month Day Year 12 15 93					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name LE STRANGE JACK		Signature 		Month Day Year 11 15 93					
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.

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
 To: P.O. Box 400, Sacramento, CA 95812-0400

APPENDIX C

**Laboratory Result Sheets
Chain-of-Custody Records**

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 19, 1993

ChromaLab File#: 9311240

RIEDEL/CAL TRANS

Atten: Mark Williams

Project: 505 CEDAR OAKLAND
Submitted: November 18, 1993

Project#: 4280-9324

re: 6 samples for Gasoline and BTEX analysis.


Matrix: SOIL

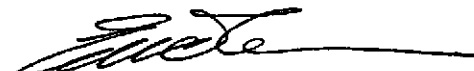
Sampled on: November 18, 1993
Method: EPA 5030/8015/8020

Analyzed on: November 19, 1993
Run#: 1585

Lab #	SAMPLE ID	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
37397	EX-1	7.2	930	260	67	350
37398	EX-2	15	2700	3000	230	1300
37399	SW-2	13000	71000	630000	170000	1100000
37400	SW-3	6.7	310	17	240	310
37401	SW-4	27	1200	4700	340	1700
37402	SW-1	5200	52000	290000	70000	400000
DETECTION LIMITS		1.0	5.0	5.0	5.0	5.0
BLANK		N.D.	N.D.	N.D.	N.D.	N.D.
BLANK SPIKE RECOVERY(%)		116	101	99	109	107

ChromaLab, Inc.


Billy Thach
Chemist


Eric Tam
Laboratory Director

5 DAYS TURNAROUND

5 DAYS TURNAROUND

ChromaLab File No.: 9311240

ChromaLab File No.: 9311240

analysis

se analysis

Date Submitted: November 18, 1993
Date Analyzed: November 19, 1993

Date Submitted: Nov. 18, 1993

sel (mg/Kg)

& Grease
mg/Kg)

N.D.

77

N.D.

79%

83%

10*

N.D.

50

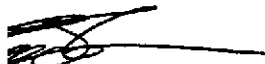
HOD 5520 E & F

3550/8015

ilution needed.



Eric Tam
Laboratory Director



Eric Tam
Laboratory Director

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 19, 1993

ChromaLab File No.: 9311240

RIEDEL/CAL TRANS

Attn: Mark Williams

RE: Six soil samples for Lead analysis

Project Name: 505 CEDAR OAKLAND

Project Number: 4280-9324

Date Sampled: Nov. 18, 1993

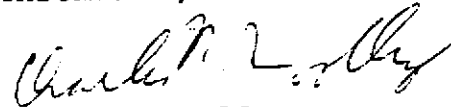
Date Submitted: Nov. 18, 1993

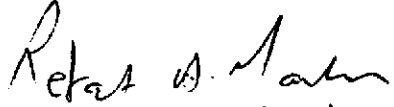
Date Analyzed: Nov. 19, 1993

RESULTS:

<u>Sample I.D.</u>	<u>Lead (mg/Kg)</u>
EX-1	2.4
EX-2	3.1
SW-1	73
SW-2	31
SW-3	2.5
SW-4	4.6
BLANK	N.D.
DETECTION LIMIT	0.5
METHOD OF ANALYSIS	3050/6010

ChromaLab, Inc.


Charles Woolley
Analytical Chemist


Refaat A. Mankarious
Inorganic Supervisor

cc



RIEDEL ENVIRONMENTAL SERVICES, INC.

19500 NORMANDIE AVE., TORRANCE, CALIFORNIA 90502 (310) 327-4428

CHAIN OF CUSTODY RECORD

RUSH

Order # 14177
 240131397-31102
 12160

SUBM #: 9311240
 CLIENT: RIED-CALTRNS
 DUE: 11/19/93
 REF: 14177

Client name: **CAI TRATS** Job number: **4280 - 9324**

Project name: **SOS CEDAR OAKLAND** P.O.# **4280126396**

Project manager: **MARK WILLIAMS** Sampler (s): **MARK WILLIAMS & J. S. REAL CHAVEZ**

Sample number	Date sampled	Time sampled	Type Composite or Grab	Preservative	Sample description	Number of containers						Remarks
							TPH-C	BTEX	TPH-D	Oil & Grease	Total Lead	
✓ EX-1	11-18/93	12:14	G	ICE	TANK PIT FLOOR / soil	1	X	X			*	ASAP
✓ EX-2	11-18/93	12:14	G	↓ ↓	TANK PIT FLOOR / soil	1	X	X			*	24 hour analysis FAX Results
✓ SW-1	11-18/93	12:25	G	↓ ↓	side wall-soil / soil	1	X	X	X	X	*	
✓ SW-2	11-18/93	12:32	G		side wall-soil / soil	1	X	X			*	
✓ SW-3	11-18/93	12:35	G		side wall-soil / soil	1	X	X			*	
✓ SW-4	11-18/93	12:40	C		side wall-soil	1	X	X			*	

Signature	Company	Date	Time
Relinquished by: <i>Mark Williams</i>	RES	11-18/93	2:22 PM
Received by: <i>R. Karal</i>	Chromalab	11-18/93	1423
Relinquished by:			
Received by:			
Relinquished by:			
Received by:			

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 29, 1993

ChromaLab File#: 9311277

RIEDEL ENVIRONMENTAL SERVICES

Atten: Mark Williams

Project: CT OAKLAND
Submitted: November 23, 1993

Project#: 4280-9324

re: 8 samples for Gasoline and BTEX analysis.

Matrix: SOIL

Sampled on: November 23, 1993

Analyzed on: November 24, 1993

Method: EPA 5030/8015/8020

Run#: 1630

Lab #	SAMPLE ID	Gasoline (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
37744	SW-1A	45	160	500	400	2300
37745	SW-2A	23	320	620	320	1800
37746	SW-3A	N.D.	N.D.	N.D.	N.D.	N.D.
37747	SW-4A	N.D.	17	N.D.	5.3	N.D.
37748	EX-1A	N.D.	130	N.D.	N.D.	N.D.
37749	EX-2A	1.3	8.4	47	9.0	62
37751	SP1/SP2/SP3/SP4	480	370	5500	3900	25000
37752	SP5/SP6/SP7/SP8	2700	18000	10000	37000	200000
DETECTION LIMITS		1.0	5.0	5.0	5.0	5.0
BLANK		N.D.	N.D.	N.D.	N.D.	N.D.
BLANK SPIKE RECOVERY(%)		102	90	95	93	96

ChromaLab, Inc.


Billy Thach
Chemist


Eric Tam
Laboratory Director

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 29, 1993

ChromaLab File No.: 9311277

RIEDEL ENVIRONMENTAL SERVICES

Attn: Mark Williams

RE: One soil sample for Oil & Grease analysis

Project Name: CT OAKLAND

Project Number: 4280-9324

Date Sampled: Nov. 23, 1993

Date Submitted: Nov. 23, 1993

Date Analyzed: Nov. 24, 1993

RESULTS:

Sample I.D.	Oil & Grease (mg/Kg)
SW-1A	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

cc

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 29, 1993

ChromaLab File No.: 9311277

RIEDEL ENVIRONMENTAL SERVICES

Attn: Mark Williams

RE: One soil sample for Lead analysis

Project Name: CT OAKLAND

Project Number: 4280-9324

Date Sampled: Nov.23, 1993

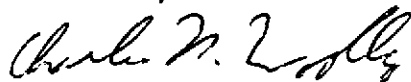
Date Submitted: Nov.23, 1993

Date Analyzed: Nov. 24, 1993

RESULTS:

<u>Sample I.D.</u>	<u>Lead (mg/Kg)</u>
SW-1A	N.D.
BLANK	N.D.
DETECTION LIMIT	0.5
METHOD OF ANALYSIS	3050/6010

ChromaLab, Inc.



Charles Woolley
Analytical Chemist



Refaat A. Mankarious
Inorganic Supervisor

cc

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 29, 1993

ChromaLab file number: 9311277

RIEDEL ENVIRONMENTAL SERVICES

Attn: Mark Williams

RE: One soil sample for Total CAM 17 Metals analyses (CA Title 22)

Project Name: CT OAKLAND

Project Number: 4280-9324

Date Sampled: November 23, 1993

Date Received: November 23, 1993

Date Analyzed: November 24, 1993

RESULTS: Sample I.D.: SP1/SP2/SP3/SP4

Metals	Concentration (mg/Kg)	Detection Limit (mg/Kg)
Antimony (Sb)	N.D.	1.00
Arsenic (As)	3.1	0.25
Barium (Ba)	42	0.25
Beryllium (Be)	N.D.	0.05
Cadmium (Cd)	2.1	0.05
Cobalt (Co)	5.3	0.50
Chromium (Cr)	21	0.50
Copper (Cu)	20	0.25
Lead (Pb)	17	0.50
Mercury (Hg)	0.16	0.05
Molybdenum (Mo)	1.8	0.25
Nickel (Ni)	23	0.50
Selenium (Se)	N.D.	0.50
Silver (Ag)	N.D.	0.25
Thallium (Tl)	N.D.	2.00
Vanadium (V)	13	0.50
Zinc (Zn)	42	0.25

Method of Analysis: 3050/6010/7471

ChromaLab, Inc.

Charles N. Woolley

Charles Woolley
Analytical Chemist

Refaat A. Mankarious

Refaat A. Mankarious
Inorganic Supervisor

cc

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 29, 1993

ChromaLab file number: 9311277

RIEDEL ENVIRONMENTAL SERVICES

Attn: Mark Williams

RE: One soil sample for Total CAM 17 Metals analyses (CA Title 22)

Project Name: CT OAKLAND

Project Number: 4280-9324

Date Sampled: November 23, 1993

Date Received: November 23, 1993

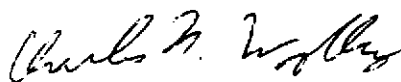
Date Analyzed: November 24, 1993

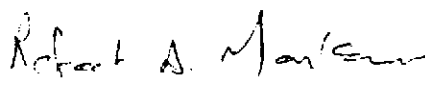
RESULTS: Sample I.D.: SP5/SP6/SP7/SP8

Metals	Concentration (mg/Kg)	Detection Limit (mg/Kg)
Antimony (Sb)	N.D.	1.00
Arsenic (As)	2.6	0.25
Barium (Ba)	46	0.25
Beryllium (Be)	N.D.	0.05
Cadmium (Cd)	1.8	0.05
Cobalt (Co)	4.5	0.50
Chromium (Cr)	22	0.50
Copper (Cu)	45	0.25
Lead (Pb)	25	0.50
Mercury (Hg)	0.28	0.05
Molybdenum (Mo)	1.2	0.25
Nickel (Ni)	18	0.50
Selenium (Se)	N.D.	0.50
Silver (Ag)	N.D.	0.25
Thallium (Tl)	N.D.	2.00
Vanadium (V)	5.4	0.50
Zinc (Zn)	67	0.25

Method of Analysis: 3050/6010/7471

ChromaLab, Inc.


Charles Woolley
Analytical Chemist


Refaat A. Mankarious
Inorganic Supervisor

cc

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 30, 1993

ChromaLab File # 9311277
Submission #: 9311000277
Attn: Mark Williams


RIEDEL ENVIRONMENTAL SERVICES

Project Name: CT OAKLAND
Date Sampled: November 23, 1993
Date Submitted: November 23, 1993
Date of Analysis: November 29, 1993
Sample I.D.: SP-1,2,3,4

Project No: 4280-9324
Method of Analysis: EPA 8240
Matrix: Soil
Reporting Det Limit: 200 µg/Kg
Dilution Factor: 1:40

Compound	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	----
VINYL CHLORIDE	N.D.	----
BROMOETHANE	N.D.	----
CHLOROETHANE	N.D.	----
TRICHLOROFLUOROMETHANE	N.D.	----
1,1-DICHLOROETHENE	N.D.	----
METHYLENE CHLORIDE	N.D.	----
1,2-DICHLOROETHENE (TRANS)	N.D.	92% 98%
1,2-DICHLOROETHENE (CIS)	N.D.	----
1,1-DICHLOROETHANE	N.D.	----
CHLOROFORM	N.D.	----
1,1,1-TRICHLOROETHANE	N.D.	----
CARBON TETRACHLORIDE	N.D.	----
BENZENE	590	----
1,2-DICHLOROETHANE	N.D.	----
TRICHLOROETHENE	N.D.	103% 104%
1,2-DICHLOROPROPANE	N.D.	----
BROMODICHLOROMETHANE	N.D.	----
2-CHLOROETHYL VINYLETHER	N.D.	----
TRANS-1,3-DICHLOROPROPENE	N.D.	----
TOLUENE	8100	----
CIS-1,3-DICHLOROPROPENE	N.D.	----
1,1,2-TRICHLOROETHANE	N.D.	----
TETRACHLOROETHENE	N.D.	122% 109%
DIBROMOCHLOROMETHANE	N.D.	----
CHLOROBENZENE	N.D.	----
ETHYLBENZENE	5700	97% 102%
BROMOFORM	N.D.	----
1,1,2,2-TETRACHLOROETHANE	N.D.	----
1,3-DICHLOROBENZENE	N.D.	----
1,4-DICHLOROBENZENE	N.D.	----
1,2-DICHLOROBENZENE	N.D.	----
TOTAL XYLENES	24000	----
ACETONE	1500	----
METHYL ETHYL KETONE	15000	----
METHYL ISOBUTYL KETONE	13000	----

ChromaLab, Inc.


David Wintergrass
Analytical Chemist


Eric Tam
Laboratory Director

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 30, 1993

ChromaLab File # 9311277
Submission #: 9311000277
Attn: Mark Williams

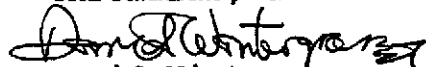
RIEDEL ENVIRONMENTAL SERVICES

Project Name: CT OAKLAND
Date Sampled: November 23, 1993
Date Submitted: November 23, 1993
Date of Analysis: November 29, 1993
Sample I.D.: SP-5,6,7,8

Project No: 4280-9324
Method of Analysis: EPA 8240
Matrix: Soil
Reporting Det Limit: 1000 µg/Kg
Dilution Factor: 1:200

Compound	µg/Kg	Spike Recovery
CHLOROMETHANE	N.D.	----
VINYL CHLORIDE	N.D.	----
BROMOETHANE	N.D.	----
CHLOROETHANE	N.D.	----
TRICHLOROFLUOROMETHANE	N.D.	----
1,1-DICHLOROETHENE	N.D.	----
METHYLENE CHLORIDE	N.D.	----
1,2-DICHLOROETHENE (TRANS)	N.D.	92% 98%
1,2-DICHLOROETHENE (CIS)	N.D.	----
1,1-DICHLOROETHANE	N.D.	----
CHLOROFORM	N.D.	----
1,1,1-TRICHLOROETHANE	N.D.	----
CARBON TETRACHLORIDE	N.D.	----
BENZENE	17000	----
1,2-DICHLOROETHANE	N.D.	----
TRICHLOROETHENE	N.D.	103% 104%
1,2-DICHLOROPROPANE	N.D.	----
BROMODICHLOROMETHANE	N.D.	----
2-CHLOROETHYL VINYLETHER	N.D.	----
TRANS-1,3-DICHLOROPROPENE	N.D.	----
TOLUENE	110000	----
CIS-1,3-DICHLOROPROPENE	N.D.	----
1,1,2-TRICHLOROETHANE	N.D.	----
TETRACHLOROETHENE	2000	122% 109%
DIBROMOCHLOROMETHANE	N.D.	----
CHLOROBENZENE	N.D.	----
ETHYLBENZENE	37000	97% 102%
BROMOFORM	N.D.	----
1,1,2,2-TETRACHLOROETHANE	N.D.	----
1,3-DICHLOROBENZENE	N.D.	----
1,4-DICHLOROBENZENE	N.D.	----
1,2-DICHLOROBENZENE	N.D.	----
TOTAL XYLENES	140000	----
ACETONE	4600	----
METHYL ETHYL KETONE	5900	----
METHYL ISOBUTYL KETONE	52000	----

ChromaLab, Inc.


David Wintergrass
Analytical Chemist


Eric Tam
Laboratory Director

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 29, 1993

ChromaLab File#: 9311277

RIEDEL ENVIRONMENTAL SERVICES

Atten: Mark Williams

Project: CT OAKLAND
Submitted: November 23, 1993

Project#: 4280-9324

re: 1 sample for Gasoline and BTEX analysis.

Matrix: WATER

Sampled on: November 23, 1993

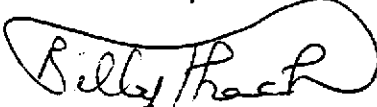
Analyzed on: November 24, 1993


Method: EPA 5030/8015/602

Run#: 1630

Lab #	SAMPLE ID	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
37750	GW-1	31000	6300	6900	650	5200
DETECTION LIMITS		50	0.5	0.5	0.5	0.5
BLANK		N.D.	0.53	N.D.	N.D.	N.D.
BLANK SPIKE RECOVERY(%)		102	90	95	93	96

ChromaLab, Inc.


Billy Thach
Chemist


Eric Tam
Laboratory Director

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

November 29, 1993

ChromaLab File No.: 9311277

RIEDEL ENVIRONMENTAL SERVICES

Attn: Mark Williams

RE: One water sample for Lead analysis

Project Name: CT OAKLAND

Project Number: 4280-9324

Date Sampled: Nov.23, 1993

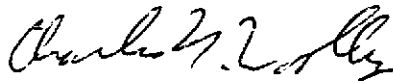
Date Submitted: Nov.23, 1993

Date Analyzed: Nov. 24, 1993

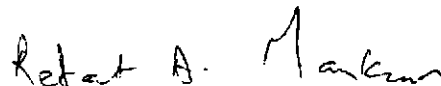
RESULTS:

<u>Sample I.D.</u>	<u>Lead (mg/L)</u>
GW-1	0.02
BLANK	N.D.
DETECTION LIMIT	.01
METHOD OF ANALYSIS	3010/6010

ChromaLab, Inc.



Charles Woolley
Analytical Chemist



Refaat A. Mankarious
Inorganic Supervisor

cc

RUSH

014216



RIEDEL ENVIRONMENTAL SERVICES, INC
 4138 Lakeside Drive, Richmond, California 94806
 Phone: (510) 222-7010 Fax: (510) 222-6868

Chain of Custody Request for Analysis

Laboratory: Chroma Date: 11-23-98
 Contact: ERIC JONES Page: 1
 Phone: 831 1788 Of: 2

PROJECT INFORMATION

Project Manager: Mark Williams Project Name: CT OAKLAND
 Fax Results to: MW 510 222-6868
 Also to: Jenifer 510 569-4757 Project #: 2180 9324
 Send Report to: SAME AS ABOVE P.O.: 1263
 Sample Team (print): MARK WILLIAMS DON WATTS
 (signatures): [Signature]
 Turn Around Time: 10 Day 5 Day 48 Hr Other _____

ANALYS

SUBM #: 9311277
 CLIENT: RIEDEL
 DUE: 11/29/98
 REF: 14216

Sample ID	Lab ID	Date	Time	Matrix	Preserv.	TPH - Gasoline w/ BTEX (EPA 5030, 8015/ 602, 8020)	TPH - Diesel (EPA 3510/3550, 8015)	TEPH - Kerosene, Diesel, Motor Oil (EPA 3510/3550, 8015)	Purgeable Aromatics BTEX (EPA 602, 8020)	Purgeable Halocarbons (EPA 601, 8010)	Volatile Organics (EPA 624, 8240, 524-2)	SemiVolatile Organics (EPA 625/627, 8270, 525)	Total Oil & Grease (EPA 5520, B+F, E...)	Total Recoverable Hydrocarbons (EPA)	Metals: Cd, Cr, Pb, Total or Soluble	CAM Metals (17) Total or Soluble	Lead (Pb) Total, Soluble, or	Extraction TCLP or STLC (Number of Containers
SW-1A		11-23-98		Soil	ICE	X							X						1
SW-2A				Soil		X													1
SW-3A				Soil		X													1
SW-4A				Soil		X													1
EX-1A				Soil		X													1
EX-2A				Soil		X													1
GW-1		11-23-98	7AM	W	ICE	X											X		1

SPECIAL INSTRUCTIONS:

SAMPLE RECEIPT

Total No. Containers 7
 Head Space Y N
 Rec'd Good Cond/Cold Y N
 Conforms to Record Y N

RELINQUISHED BY (Sampler):

[Signature] 4PM (Time)
Mark Williams 11-23-98 (Date)
[Signature]
 (Company)

RELINQUISHED BY:

[Signature] 1725 (Time)
Eric Jones 11-23 (Date)
 (Printed Name) (Date)
 (Company)

RELINQUISHED BY:

(Signature) (Time)
 (Printed Name) (Date)
 (Company)

COMMENTS:

GW-1 water sample Soluble Lead ANALYSIS

RECEIVED BY:

[Signature] 10:30 (Time)
Eric Jones 11-23-98 (Date)
 (Printed Name) (Date)
 (Company)

RECEIVED BY:

(Signature) (Time)
 (Printed Name) (Date)
 (Company)

RECEIVED BY (Laboratory):

[Signature] 1725 (Time)
[Signature] 11/23/98 (Date)
 (Printed Name) (Date)
 (Company)



RIEDEL ENVIRONMENTAL SERVICES, INC
 4138 Lakeside Drive, Richmond, California 94806
 Phone: (510) 222-7810 Fax: (510) 222-6868

Chain of Custody Request for Analysis

Laboratory: Chroma Date: 11/23/93
 Contact: ERIC JONES Page: 2
 Phone: 831-1788 Of: 2

PROJECT INFORMATION						ANALYSES													CONTAINERS			
Project Manager: <u>MARK WILLIAMS</u>		Project Name: <u>CR OAKLAND</u>				TPH - Gasoline w/ BTEX (EPA 5030, 8015, 602, 8020)	TPH - Diesel (EPA 3510/3550, 8015)	TEPH - Kerosene, Diesel, Motor Oil (EPA 3510/3550, 8015)	Purgeable Aromatics BTEX (EPA 602, 8020)	Purgeable Halocarbons (EPA 601, 8010)	Volatile Organics (EPA 624, 8240, 524.2)	Semi-volatile Organics (EPA 625/627, 8270, 525)	Total Oil & Grease (EPA 5520, B+F, E+F)	Total Recoverable Petroleum Hydrocarbons (EPA 418.1)	Metals: Cd, Cr, Pb, Zn, Ni Total or Soluble	CAM Metals (17) Total or Soluble	Lead (Pb) Total, Soluble, or Organic	Extraction TCLP or STLC (Wet)			Number of Containers	
Fax Results to: <u>MW</u> At: <u>222-7810</u>		Project # <u>4280-9324</u>																				
Also to: <u>BOCK H</u> At: <u>222-7810</u>		P.O.# <u>1263</u>																				
Send Report to: <u>BES ABOVE</u>		Sample Team (print): <u>MARK WILLIAMS DON WATTS</u>																				
(signatures): <u>Mark Williams</u>		<u>Don Watts</u>																				
Turn Around Time: 10 Day 5 Day <u>48 Hr.</u> Other _____																						
Sample ID	Lab ID	Date	Time	Matrix	Preserv.																	
SP 1				Soil	TCLP	X																1
SP 2						X																1
SP 3						X																1
SP 4						X																1
SP 5						X																1
SP 6						X																1
SP 7																						1
SP 8																						1

SPECIAL INSTRUCTIONS: make 1-4 composite make 5-8 composite	SAMPLE RECEIPT Total No. Containers <u>8</u> Head Space Y N Rec'd Good Cond/Cold Y N Conforms to Record Y N	RELINQUISHED BY (Sampler): <u>Mark Williams</u> <u>4PM</u> (Signature) (Time) <u>Mark Williams</u> <u>11-23-93</u> (Printed Name) (Date) RES (Company)	RELINQUISHED BY: <u>Todd Jones</u> <u>11-23</u> (Signature) (Time) <u>Todd Jones</u> <u>11-23</u> (Printed Name) (Date) (Company)	RELINQUISHED BY: _____ (Signature) (Time) _____ (Printed Name) (Date) (Company)
		RECEIVED BY: <u>Todd Jones</u> <u>11-23</u> (Signature) (Time) <u>Todd Jones</u> <u>11-23</u> (Printed Name) (Date) (Company)	RECEIVED BY: _____ (Signature) (Time) _____ (Printed Name) (Date) (Company)	RECEIVED BY (Laboratory): <u>Eric Jones</u> <u>11-23-93</u> (Signature) (Time) <u>Eric Jones</u> <u>11-23-93</u> (Printed Name) (Date) Chroma Lab (Company)
COMMENTS: make composite SP 1, SP 2, SP 3, SP 4 make composite SP 5, SP 6, SP 7, SP 8				

APPENDIX D

**Weight Tags
(fill sand)**



Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE (510) 261-8532

WEIGHMASTER'S CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

DATE 12 14/93/	CUSTOMER NO. 11490	TICKET NO. 416339	LOAD NO. 6
DELIVERY ADDRESS 505 CEDAR ST OAKLAND		CUSTOMER NAME RIEDEL ENVIRONMENTAL 2001 P.O. NUMBER 400525802	
MATERIAL BACKFILL SAND	PRODUCT NO. 0001	TONS TODAY 147.39	
TRUCK NO. 00000039	STAND-BY TIME	GROSS TONS 38.60	TARE TONS 15.00
PRICE		NET TONS 23.60 ✓	
DRIVER ON <input checked="" type="checkbox"/> TIME OUT 3:45:27 A		WEIGHMASTER	
RECEIVED BY <i>M. Miller</i>		DEPUTY <i>[Signature]</i>	

WE WILL NOT BE RESPONSIBLE FOR
DAMAGE DUE TO CROSSING SIDEWALKS



4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE (510) 261-8532

WEIGHMASTER'S CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

DATE 12 14/93/	CUSTOMER NO. 11490	TICKET NO. 416340	LOAD NO. 7
DELIVERY ADDRESS 505 CEDAR ST OAKLAND		CUSTOMER NAME RIEDEL ENVIRONMENTAL 2001 P.O. NUMBER 400525802	
MATERIAL BACKFILL SAND	PRODUCT NO. 0001	TONS TODAY 171.39	
TRUCK NO. 00000250	STAND-BY TIME	GROSS TONS 39.00	TARE TONS 15.00
PRICE		NET TONS 24.00 ✓	
DRIVER ON <input checked="" type="checkbox"/> TIME OUT 3:47:27 A		WEIGHMASTER	
RECEIVED BY <i>[Signature]</i>		DEPUTY <i>[Signature]</i>	

WE WILL NOT BE RESPONSIBLE FOR
DAMAGE DUE TO CROSSING SIDEWALKS



Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE (510) 261-8532

WEIGHMASTER'S CERTIFICATE
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DATE 12 14/93/	CUSTOMER NO. 11490	TICKET NO. 416318	LOAD NO. 4
DELIVERY ADDRESS 505 CEDAR ST OAKLAND		CUSTOMER NAME RIEDEL ENVIRONMENTAL 2001 P.O. NUMBER 400525802	
MATERIAL BACKFILL SAND	PRODUCT NO. 0001	TONS TODAY 98.98	
TRUCK NO. 00000411	STAND-BY TIME	PRICE	GROSS TONS 39.83 TARE TONS 14.85 NET TONS 24.98 ✓
DRIVER ON <input checked="" type="checkbox"/> TIME OUT 8:26:30 A		WEIGHMASTER	
RECEIVED BY <i>[Signature]</i>		DEPUTY <i>[Signature]</i>	

WE WILL NOT BE RESPONSIBLE FOR DAMAGE DUE TO CROSSING SIDEWALKS



WEIGHMASTER'S CERTIFICATE
THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

DATE 12 14/93/	CUSTOMER NO. 11490	TICKET NO. 416318	LOAD NO. 5
DELIVERY ADDRESS 505 CEDAR ST OAKLAND		CUSTOMER NAME RIEDEL ENVIRONMENTAL 2001 P.O. NUMBER 400525802	
MATERIAL BACKFILL SAND	PRODUCT NO. 0001	TONS TODAY 123.72	
TRUCK NO. 00000004	STAND-BY TIME	PRICE	GROSS TONS 39.81 TARE TONS 15.00 NET TONS 24.81 ✓
DRIVER ON <input checked="" type="checkbox"/> TIME OUT 8:15 A		WEIGHMASTER	
RECEIVED BY <i>[Signature]</i>		DEPUTY <i>[Signature]</i>	

WE WILL NOT BE RESPONSIBLE FOR DAMAGE DUE TO CROSSING SIDEWALKS



Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE (510) 281-8632

WEIGHMASTER'S CERTIFICATE
 THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

DATE 2 14/93/	CUSTOMER NO. 11490	TICKET NO. 416314	LOAD NO. 3
DELIVERY ADDRESS 505 CEDAR ST OAKLAND		CUSTOMER NAME RIEDEL ENVIRONMENTAL 2001 P.O. NUMBER 400525802	
MATERIAL BACKFILL SAND.	PRODUCT NO. 0001	TONS TODAY 74.00	
TRUCK NO. 00000039	GROSS TONS 39.42	WEIGHED AT LOCATION: ^{AW1}	
STAND-BY TIME	TARE TONS 15.00	OAK = 001 4501 Tidewater Ave., Oakland, CA	
PRICE	NET TONS 24.42 ✓	SFO = 002 3301 Third St., San Francisco, CA	
		MTZ = 003 200 Waterfront Rd., MTZ, CA	
DRIVER ON <input checked="" type="checkbox"/>	TIME OUT 9:42 A	TIDEWATER SAND & GRAVEL	
<i>M. Williams</i>	RECEIVED BY	<i>D. Howard</i> WEIGHMASTER	
		DEPUTY	

WE WILL NOT BE RESPONSIBLE FOR
DAMAGE DUE TO CROSSING SIDEWALKS

Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE (510) 261-8532

<p>WEIGHMASTER'S CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.</p>									
DATE 12 14/93	CUSTOMER NO. 11498	TICKET NO. 416295	LOAD NO. 1						
DELIVERY ADDRESS 505 CEDAR ST OAKLAND		CUSTOMER NAME RIEDEL ENVIRONMENTAL 2001 P.O. NUMBER 400525802							
MATERIAL BASKETBALL SAND	PRODUCT NO. 0001	TONS TODAY 25.00							
TRUCK NO 00000039	STAND-BY TIME	PRICE	<table border="0"> <tr> <td>GROSS TONS</td> <td>40.00</td> </tr> <tr> <td>TARE TONS</td> <td>15.00</td> </tr> <tr> <td>NET TONS</td> <td>25.00</td> </tr> </table>	GROSS TONS	40.00	TARE TONS	15.00	NET TONS	25.00
GROSS TONS	40.00								
TARE TONS	15.00								
NET TONS	25.00								
DRIVER ON <input checked="" type="checkbox"/>		TIME OUT: 12:40 P							
RECEIVED BY <i>[Signature]</i>		TIDEWATER SAND & GRAVEL WEIGHMASTER <i>[Signature]</i> DEPUTY							

WE WILL NOT BE RESPONSIBLE FOR
DAMAGE DUE TO CROSSING SIDEWALKS

Tidewater SAND & GRAVEL, INC.

4501 TIDEWATER AVENUE • OAKLAND, CALIFORNIA 94601 • TELEPHONE (510) 261-8532

<p>WEIGHMASTER'S CERTIFICATE THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.</p>									
DATE 12 14/93	CUSTOMER NO. 11498	TICKET NO. 416301	LOAD NO. 1						
DELIVERY ADDRESS 505 CEDAR ST OAKLAND		CUSTOMER NAME RIEDEL ENVIRONMENTAL 2001 P.O. NUMBER 400525802							
MATERIAL BASKETBALL SAND	PRODUCT NO. 0001	TONS TODAY 49.50							
TRUCK NO 00009411	STAND-BY TIME	PRICE	<table border="0"> <tr> <td>GROSS TONS</td> <td>39.43</td> </tr> <tr> <td>TARE TONS</td> <td>14.85</td> </tr> <tr> <td>NET TONS</td> <td>24.58</td> </tr> </table>	GROSS TONS	39.43	TARE TONS	14.85	NET TONS	24.58
GROSS TONS	39.43								
TARE TONS	14.85								
NET TONS	24.58								
DRIVER ON <input checked="" type="checkbox"/>		TIME OUT: 15:24 P							
RECEIVED BY <i>[Signature]</i>		TIDEWATER SAND & GRAVEL WEIGHMASTER <i>[Signature]</i>							

WEIGHED AT LOCATION 1
 OAK = 001 4501 Tidewater Ave., Oakland, CA
 SFO = 002 3301 Third St., San Francisco, CA
 MTZ = 003 200 Waterfront Rd., MTZ, CA