



July 28, 1994
STID 3776

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

REMEDIAL ACTION COMPLETION CERTIFICATION

Raymond Robideaux
15380 Sunnyhaven St.
San Leandro CA 94579

RE: Will's Freight Lines, 1700 West Grand Av., Oakland CA
94607

Dear Mr. Robideaux,

This letter confirms the completion of site investigation and remedial action for the following four former underground storage tanks (USTs) at the above referenced site: one 10,000-gal gasoline UST, one 10,000-gal diesel UST, and two 1,000-gal diesel USTs.

Based on the available information and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations.

If you have any questions regarding this letter, please contact Jennifer Eberle at (510) 567-6700.

Very truly yours,

Rafat A. Shahid
Assistant Agency Director

cc: Edgar B. Howell, Chief, Hazardous Materials Division/files
Kevin Graves, RWQCB
Mike Harper, SWRCB
Jennifer Eberle

LOP/Completion
je 3776clos.let

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: 6/1/94

Agency name: **Alameda County-HazMat** Address: **80 Swan Wy., Rm 200**
 City/State/Zip: **Oakland** Phone: **(510) 271-4320**
 Responsible staff person: **Jennifer Eberle**
 Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Will's Freight Lines**
 Site facility address: **1700 West Grand Ave., Oakland 94607**
 RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **3776**
 URF filing date: **2/18/92** SWEEPS No: **N/A**

CALIFORNIA REGIONAL WATER
 QUALITY CONTROL BOARD
 JUL 07 1994

Responsible Parties: Addresses: Phone Numbers:
 Raymond Robideaux, 15380 Sunnyhaven St., San Leandro CA 94579 357-4650

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	10 K	gasoline	removed	2/6/92
2	10 K	diesel	removed	2/6/92
3	1 K	diesel	removed	2/6/92
4	1 K	diesel	removed	2/6/92

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: unknown
 Site characterization complete? YES
 Date approved by oversight agency:
 Monitoring Wells installed? YES Number: one
 Proper screened interval? YES (approx. 4' to 9'bgs)
 Highest GW depth below ground surface: 5.51' Lowest depth: 6.82'
 (static water at approx. 6'bgs)
 Flow direction: N-NE to W-NW (see comments section)
 Most sensitive current use: aquatic
 Are drinking water wells affected? NO Aquifer name:
 Is surface water affected? NO Nearest affected SW name:
 Off-site beneficial use impacts (addresses/locations):

Report(s) on file? YES Where is report(s) filed? **Alameda County**
80 Swan Wy., Rm 200
Oakland CA 94621

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment of Disposal w/destination)</u>	<u>Date</u>
Tank	22,000 lbs (4 USTs)	disposed at Erickson	2/6/92
Piping			
Soil	approx. 378 yd3	disposed at Beatty, Nevada	5/15/93
Groundwater	100 gal (purged water)	PRC Patterson, Patterson	6/3/94
Product	320 gal	Artesian Oil Recovery, Oakland	12/29/91

Leaking Underground Fuel Storage Tank Program

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (Continued) Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)	
	<u>Before</u>	<u>After</u>	<u>Before</u>	<u>After</u>
TPH (Gas)	128	3.6	ND	
TPH (Diesel)	735	2	ND*	
Benzene	ND	ND	ND	
Toluene	.0052	.461	ND	
Xylene	.0137	ND	ND	
Ethylbenzene	.0131	ND	ND	
Oil & Grease	NA	NA	NA	
Heavy metals	NA	NA	**	
Other				

Comments (Depth of Remediation, etc.):

The before soil concs. were in the pit. The after soil concs. were after overex (in the pit).

* 310 ppb TPH-d was found once in MW-1. It was ND all other times.

** up to 140 ppb total lead has been detected in gw. See comments section on last page.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? Undetermined

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? Undetermined

Does corrective action protect public health for current land use? YES
Site management requirements: NA

Should corrective action be reviewed if land use changes? NO

Monitoring wells Decommissioned: NOT yet

Number Decommissioned:

Number Retained:

List enforcement actions taken: none

List enforcement actions rescinded:

Leaking Underground Fuel Storage Tank Program

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Jennifer Eberle
Signature: *J Eberle*

Title: Haz. Mat. Spec.
Date: 7-5-94

Reviewed by
Name: Eva Chu
Signature: *E Chu*

Title: Haz. Mat. Spec.
Date: 6/24/94

Name: Juliet Shin
Signature: *Juliet Shin*

Title: Haz. Mat. Spec.
Date: 7/5/94

VI. RWQCB NOTIFICATION

Date Submitted to RB: 7-5-94
RWQCB Staff Name: Kevin Graves

RB Response: *Approved*
Title: ~~San. Engineering Assoc.~~ Date:
AWRCE 7/27/94 K Graves

VII. ADDITIONAL COMMENTS, DATA, ETC.

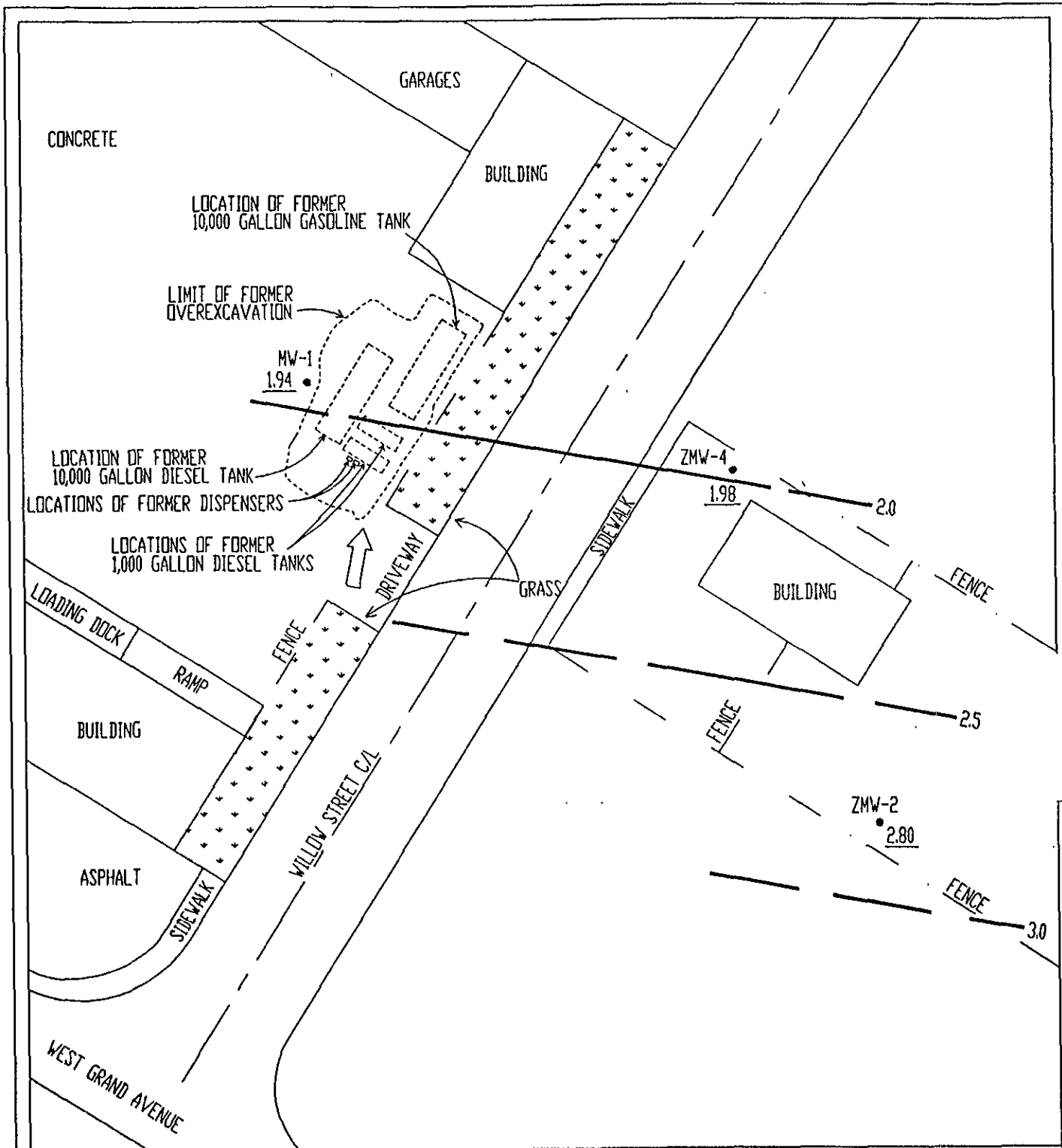
On 2/6/92, four USTs were removed from a common excavation. The two 10K USTs had no apparent holes or rust. The 2 1K USTs were rusty and had holes. A trace of gw was in pit (at about 6' bgs), but was not collected due to the insufficient amount. Up to 735 ppm TPH-d and 128 ppm TPH-g was found in the tank pit. Stockpiled soils had up to 313 ppm TPH-d and 33 ppm TPH-g. No benzene was found in either the pit or the SP. (See the 4/16/92 "Tank Closure Report and Workplan for Overexcavation of Contaminated Soil and Installation of GW Monitoring Wells" by TPE)

On 4/1/92, TPE overexcavated the pit horizontally and vertically. Verification soil samples were collected from about .5' above the water table (about 5.5' bgs). Results were all ND except one hit of 2 ppm TPH-d, and three hits of TPH-g ranging between 1.1 ppm and 3.6 ppm. No benzene was found. One MW was installed within 10' W-NW of the former USTs. Soil results from the borehole were 16 ppm TPH-d, ND TPH-g, ND BTEX at a depth of 5' bgs in the capillary fringe. MW-1 was sampled on 5/21/92 and was ND for all the above. TPE recommended that MW-1 be sampled for total and organic lead, in addition to the HCs, in future rounds. There was no explanation for this recommendation. (See the 6/19/92 "PSA Report" by TPE)

The rationalization for one MW is that the gw flow direction at the adjacent Zellerbach site (2230 Willow St.) was documented as consistently W-NW. They were able to use the 2 wells on the adjacent Zellerbach site in order to determine gw flow direction. GW flowed in the following directions on the following dates, with the well location in relation to the former USTs: N-NE on 2/25/94 (cross-gradient), N-NE on 11/29/93 (cross-gradient), W-NW on 8/30/93 (down-gradient), NW on 5/24/93 (down-gradient), N on 2/26/93 (cross-gradient), N-NW on 11/30/92 (down- and cross-gradient), and NW on 8/13/92 (down-gradient).

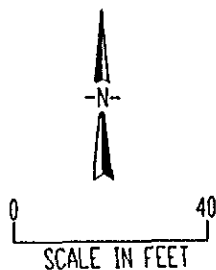
Leaking Underground Fuel Storage Tank Program

Lead was subsequently detected in gw (see attachment). There have been four consecutive quarters of ND for HCs (from May 93 to Feb 94). However, total lead has been present in two of these past quarters, at concentrations ranging from 130 ppb to 140 ppb. The current, primary MCL for lead is 50 ppb. However, the following explanation warrants consideration for site closure: The soil boring log for MW-1 reveals artificial fill to approx. 4'bgs, then interbedded sand and gravel to approx. 8'bgs, then bay mud to the bottom of boring (15'bgs). The fill is reported to have been placed as landfill material during the late 1800s and early 1900s. In addition, it appears that lead contamination is a regional problem. This is based on soil and gw samples taken at the Pacific Supply site, located approx. one block away, at 1735-24th St. They encountered up to 1.7 ppm total lead in soils, and up to 120 ppb total lead in gw (see attachment). Soils profiled for disposal at Zellerbach had 4.2 mg/L lead via the WET (see attachment).



LEGEND

- ZMW-2 NAME AND LOCATION OF GROUNDWATER MONITORING WELL INSTALLED BY OTHERS
- MW-1 NAME AND LOCATION OF GROUNDWATER MONITORING WELL
- 2.0 POTENTIOMETRIC CONTOUR
- 1.98 POTENTIOMETRIC ELEVATION (FEET-MSL)
- ← GROUNDWATER FLOW DIRECTION



TANK PROTECT ENGINEERING

GROUNDWATER GRADIENT MAP (2/25/94)

RAYMOND ROBIDEAUX
1700 WEST GRAND AVENUE
OAKLAND, CALIFORNIA

DATE	4/4/94
FIGURE	1
FILE #	217-18
DRAWN BY	AK
CHECKED BY	JVM

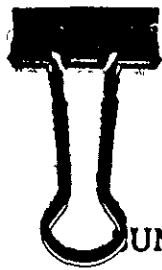


TABLE 2
SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
(ppb¹)

Sample ID Name	Date	TPHD	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes	Organic Lead	Total Lead
MW-1	05/21/92	<50	<50	<.50	<.50	<.50	<1.5	NA ²	NA
	08/13/92	<50	<50	<.50	<.50	<.50	<1.5	<150	120
	11/30/92	<50	<50	<.50	<.50	<.50	<1.5	NA	120
	02/26/93	310	<50	<.50	<.50	<.50	<1.5	NA	<100
	05/24/93	<50	<50	<.50	<.50	<.50	<1.5	NA	<100
	08/30/93	<50	<50	<.50	<.50	<.50	<1.5	NA	130
	11/29/93	<50	<50	<.50	<.50	<.50	<1.5	NA	<100
	02/25/94 ✓	<50 ✓	<50 ✓	<.50 ✓	<.50 ✓	<.50 ✓	<1.5 ✓	NA	140 ✓
MW-2 ³	08/30/93	NA	<50	<.50	<.50	<.50	<1.5	NA	NA
	11/29/93	NA	<50	<.50	<.50	<.50	<1.5	NA	NA
	02/25/94	NA	<50	<.50	<.50	<.50	<1.5	NA	NA
MW-4 ³	08/13/92	NA	<50	<.50	<.50	<.50	<1.5	NA	NA
	11/30/92	NA	<50	<.50	<.50	<.50	<1.5	NA	NA
	02/26/93	NA	<50	<.50	<.50	<.50	<1.5	NA	NA
	05/24/93	NA	<50	<.50	<.50	<.50	<1.5	NA	NA

¹ PARTS PER BILLION

² NOT ANALYZED

³ TRIP BLANK

TABLE 1
ANALYTICAL DATA SUMMARY
PACIFIC SUPPLY COMPANY

Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-3	10/14/88	3.4	ND	ND	-	2.8	-
MW-3	12/29/89	ND	ND	ND	ND	ND	0.205 (1)
MW-3	5/28/92	ND	0.8	0.5	ND	ND	0.016 (2)
MW-3	9/3/92	ND	ND	ND	ND	ND	0.033 (2)
MW-3	11/24/92	ND	ND	ND	ND	ND	0.011 (2)
MW-3	3/9/93	0.1	1.8	ND	ND	ND	ND(1)
MW-3	7/21/93	ND	ND	ND	ND	ND	ND(1)
MW-3	11/4/93	0.07	0.6	0.5	ND	ND	ND(1)
MW-3	2/1/94	ND ✓	ND ✓	ND ✓	ND ✓	ND ✓	ND(1) ✓

Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-4	10/14/88	4.6	1.2	ND	-	2.2	-
MW-4	12/29/89	0.5	0.7	ND	ND	ND	ND (1)
MW-4	5/28/92	0.27	8.8	1	ND	3.2	0.030 (2)
MW-4	9/3/92	0.20	4.5	4.4	ND	1.9	0.022 (2)
MW-4	11/24/92	0.14	3.2	3.2	ND	1.0	0.005 (2)
MW-4	3/9/93	0.47	10	ND	ND	2.5	ND (1)
MW-4	7/21/93	0.28	4.4	5.9	ND	ND	ND(1)
MW-4	11/4/93	0.08	1.3	1.6	ND	ND	ND(1)
MW-4	2/1/94	0.08 ✓	ND ✓	ND ✓	ND ✓	ND ✓	ND(1) ✓

(1) Organic lead

(2) Total lead

ND = not detected at laboratory reporting limit

µg/L = micrograms per liter

mg/L = milligrams per liter

-- = not analyzed





BACE Environmental

A Division Of
Brunsing Associates, Inc. ALCO
AZMAT

94 MAR 17 PM 2:45

March 7, 1994

Project No. 29.7

Ms. Normita Callison
Pacific Coast Building Products
4290 Roseville Road
North Highlands, California 95660

3826

RE: Quarterly Groundwater Monitoring Report: February 1994
Pacific Supply Company
1735 24th Street
Oakland, California

Dear Ms. Callison:

This report has been prepared to document groundwater monitoring performed by BACE Environmental, a Division of Brunsing Associates, Inc. (BAI) at the Pacific Supply Company property located at 1735 24th Street, Oakland, California. The monitoring was performed on February 1, 1994.

Scope of Work

The scope of work performed during this reporting period included testing for the existence of free product, calculating groundwater elevations, and collecting groundwater samples for on-site monitoring wells MW-1 through MW-5 and off-site wells MW-6 and MW-7 (Plate 1).

Site Background

Monitoring wells MW-1 through MW-5 were constructed starting on September 13, 1988 as the first phase of a soil and groundwater investigation. Monitoring wells MW-6 and MW-7 were constructed on December 19, 1989 as Phase II of the same investigation. The construction and sampling of these wells are documented in BAI's Report of Findings, dated March 23, 1990.

Table 1 is a cumulative summary of the groundwater analytical data available for the wells as documented in the March 23, 1990 Report of Findings and subsequent quarterly groundwater monitoring reports.

TABLE 1
ANALYTICAL DATA SUMMARY
PACIFIC SUPPLY COMPANY

Well Identification	Sampling Date	TPH (gasoline) mg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	Lead mg/L
MW-7	12/29/89	ND	ND	ND	ND	ND	0.235 (1)
MW-7	3/9/93	ND	ND	ND	ND	ND	ND (1)
MW-7	7/21/93	ND	ND	ND	ND	ND	ND(1)
MW-7	11/4/93	ND	ND	ND	ND	ND	ND(1)
MW-7	11/4/93	ND	ND	ND	ND	ND	ND(1)

(1) Organic lead

(2) Total lead

ND = not detected at laboratory reporting limit

µg/L = micrograms per liter

mg/L = milligrams per liter

-- = not analyzed



94612

Tony - Perkins Cleaners
2615 Telegraph Ave
Oakland 94612

REPORT OF FINDINGS SOIL AND GROUNDWATER INVESTIGATION

PACIFIC SUPPLY COMPANY
OAKLAND, CALIFORNIA

1735 24th St 94607

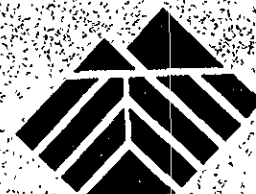
November 30, 1990

Submitted by:

Pacific Coast Building Products
3001 I Street
Sacramento, California 95816

Prepared by:

Brunsing Associates, Inc.
1607 Industrial Way
Belmont, California 94092



BRUNSING ASSOCIATES, INC.

Table 2
Results Of Off-Site Soil Chemical Analyses

date Dec. 89

<u>Moni- toring Well</u>	<u>Depth of Sample</u>	<u>TPH- Gasoline mg/kg</u>	<u>TEPH- Diesel mg/kg</u>	<u>TEPH- Kero- sene mg/kg</u>	<u>TEPH- Motor Oil mg/kg</u>	<u>Ben- zene mg/kg</u>	<u>Tolu- ene mg/kg</u>	<u>Ethyl- ben- zene mg/kg</u>	<u>Xylene mg/kg</u>	<u>Organic Lead mg/kg</u>
MW-6	5.5'	370	N/A	N/A	N/A	ND	ND	ND	ND	1.5
MW-7	5.5'	<2.5	<1.0	<1.0	160	ND	ND	ND	ND	1.7
Detection Limits (mg/kg) ¹		10.0	10.0	10.0	10.0	0.005	0.005	N/A	0.015	N/A

Notes

1. California Regional Water Quality Control Board: Leaking Underground Fuel Tank Field Manual, October 1989.
2. N/A = Not Applicable; ND = Nondetect



Table 3
Results Of On-Site Groundwater Chemical Analyses

Monitoring Well	TPH mg/L		Benzene mg/L		Toluene mg/L		Xylene mg/L		Ethylbenzene mg/L		Organic Lead mg/L	
	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989	1988	1989
MW-1	1.1	ND	0.0011	ND	ND	ND	ND	ND	N/A	ND	N/A	ND
MW-2	11.0	4.0	0.023	0.2	0.02	0.0067	0.016	ND	N/A	ND	N/A	0.22
MW-3	3.4	ND	ND	ND	ND	ND	0.0028	ND	N/A	ND	N/A	0.205
MW-4	4.6	0.5	ND	0.0007	ND	ND	0.0022	ND	N/A	ND	N/A	ND
MW-5	3.2	ND	ND	ND	ND	ND	ND	ND	N/A	ND	N/A	ND
MCL (mg/L) ¹	N/A		0.001		N/A		1.750		0.68		N/A	
Action Levels (mg/L) ²	N/A		0.0007		0.1		0.62		0.68		N/A	
Detection Limits (mg/L) ³	0.50		0.0003		0.0003		0.0006		N/A		N/A	
EBMUD Discharge Limits	N/A		0.003		0.031		0.042		0.005		2.0	

(DHS method)
12-29-89

Notes

- 1 California Department of Health Services (DHS): Minimum Contaminant Level, Section 64445, Article 5.5, Division 4, Title 22, California Code of Regulations.
- 2 DHS: Recommended Drinking Water Action Levels, January 1987.
- 3 California Regional Water Quality Control Board: Leaking Underground Fuel Tank Field Manual, October 1989.
- 4 N/A = Not Applicable; ND = Nondetect



Table 4
Results Of Off-Site Groundwater Chemical Analyses

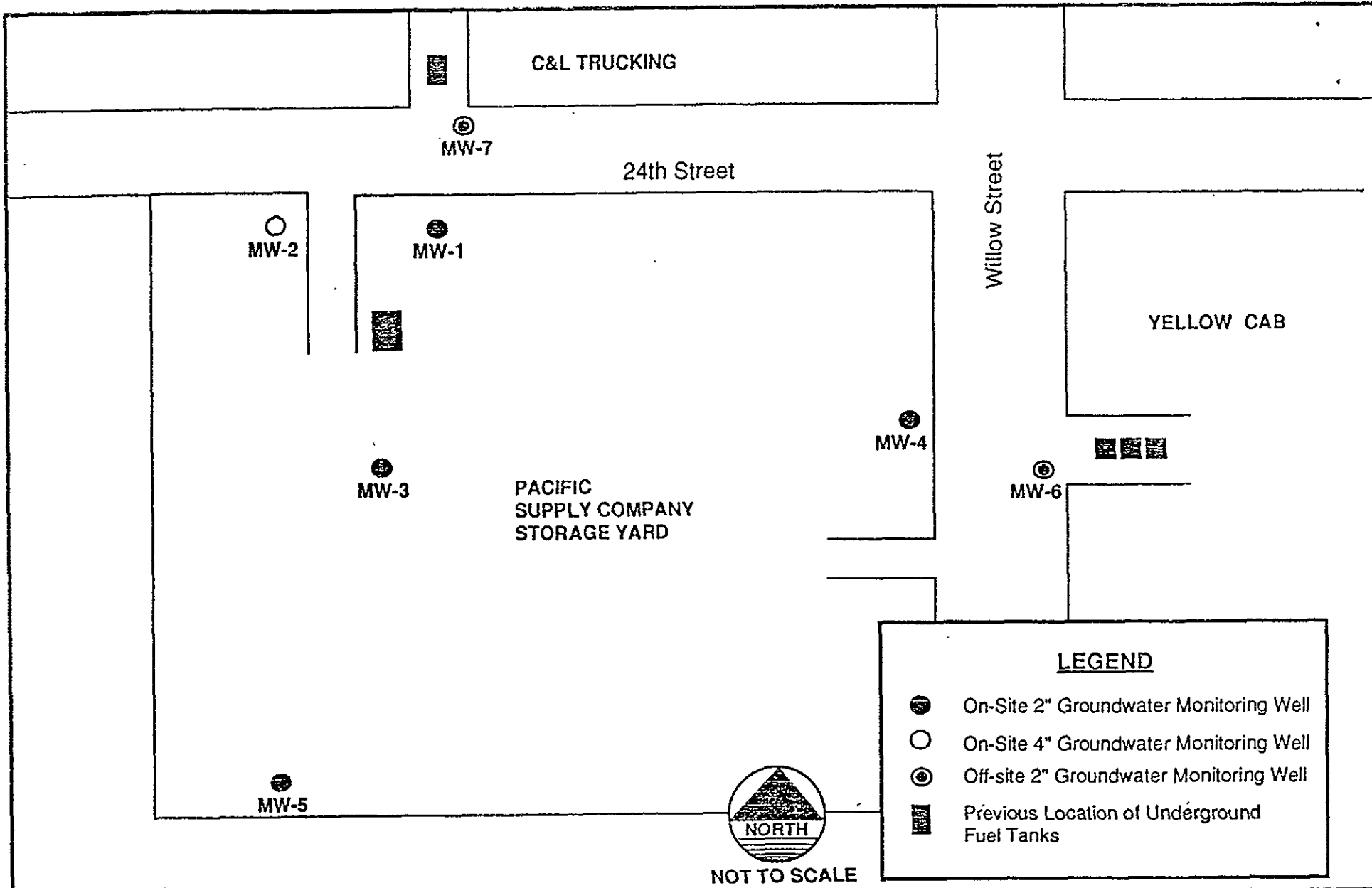
date?

<u>Mon- itoring Well</u>	<u>TPH- Gas- oline mg/L</u>	<u>TEPH- Diesel mg/L</u>	<u>TEPH- Kero- sene mg/L</u>	<u>TEPH- Motor Oil mg/L</u>	<u>Ben- zene mg/L</u>	<u>Tolu- ene mg/L</u>	<u>Ethyl- ben- zene mg/L</u>	<u>Xylene mg/L</u>	<u>Organic Lead mg/L</u>
MW-6	1.1	ND	2.1	ND	0.0054	0.0045	ND	ND	ND
MW-7	ND	ND	ND	ND	ND	ND	ND	ND	0.235
MCL (mg/L) ¹	N/A	N/A	N/A	N/A	0.001	1.0	0.68	1.75	N/A
Action Levels (mg/L) ²	N/A	N/A	N/A	N/A	0.0007	0.1	0.68	0.62	N/A
Detection Limits (mg/L) ³	0.50	0.50	0.50	0.50	0.0003	0.0003	N/A	0.0006	N/A

Notes

1. Minimum Containment Level, Section 6444.5, Article 5.5, Division 4, Title 22 CCR.
2. DHS: Recommended Drinking Water Action Levels, January 1987.
3. California Regional Water Quality Control Board: Leaking Underground Fuel Tank Field Manual, October 1989.
4. N/A = Not Applicable; ND = Nondetect





PROJECT NO. 29.5		
DRAWN BY	MEV/JG	3/21/90
CHECKED BY	MEV	3/21/90
APPROVED BY	MEV	3/21/90
REVISION NO.	2	6/26/90

**BRUNSIING
ASSOCIATES, INC.**

PACIFIC SUPPLY CO.
1735 24TH STREET
OAKLAND, CALIFORNIA

**FIGURE 2
SITE PLAN
SOIL AND GROUNDWATER
INVESTIGATION**



CONVERSE ENVIRONMENTAL

CHAIN OF CUSTODY RECORD

1113

P.M. = KEN LEONARD

PROJECT NO.: 88-44-550-06				PROJECT NAME / CROSS STREET: ZELLENBACH-OAKLAND 2230 Willow ST.				NUMBER OF CONTAINERS	ANALYSES			REMARKS			
SAMPLE BY: (Signature) <i>R. Leonard</i>				STATION NO.	DATE	TIME	COMP.		GRAB	STATION LOCATION	CAM 17 (COPPER METALS)		BTX		
SP-1								9-27-91				1650			
<p><i>STANDY SEALED 9/27/91</i></p> <p><i>INTACT AL 50100 JLD.</i></p>															
RELINQUISHED BY: (Signature) <i>R. Leonard</i>				DATE: 9/25/91	RECEIVED BY: (Signature) <i>Jeff Smith</i>				RELINQUISHED BY: (Signature) <i>Jeff Smith</i>				DATE: 9/27	RECEIVED BY: (Signature)	
				TIME: 12:58									TIME: 20:00		
RELINQUISHED BY: (Signature)				DATE:	RECEIVED BY: (Signature)				RELINQUISHED BY: (Signature)				DATE:	RECEIVED BY: (Signature)	
				TIME:									TIME:		
RELINQUISHED BY COURIER: (Sign.)				DATE:	RECEIVED BY MOBILE LAB: (Sign.)				RELINO. BY MOBILE LAB: (Signature)				DATE:	RECEIVED BY COURIER: (Signature)	
				TIME:									TIME:		
METHOD OF SHIPMENT				SHIPPED BY: (Signature)				RECEIVED FOR LAB: (Signature) <i>A. Lopez</i>				DATE: 9-28-91	COURIER FROM AIRPORT: (Signature)		
												TIME: 11:00			

CONVERSE ENVIRONMENTAL



NET Pacific, Inc

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	: Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	: Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
ICVS	: Initial Calibration Verification Standard (External Standard).
mean	: Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	: Concentration in units of milligrams of analyte per kilogram of sample. (parts per million).
mg/L	: Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	: Milliliters per liter per hour.
MPN/100 mL	: Most probable number of bacteria per one hundred milliliters of sample.
N/A	: Not applicable.
NA	: Not analyzed.
ND	: Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	: Nephelometric turbidity units.
RPD	: Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
SNA	: Standard not available.
ug/Kg (ppb)	: Concentration in units of micrograms of analyte per kilogram of sample. (parts per billion).
ug/L	: Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	: Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.



NET Pacific, Inc

Client Acct: 212
 Client Name: Converse Consultants
 NET Log No: 1113

Date: 10-21-91
 Page: 2

Ref: Zellerbach-Oakland, 2230 Willow St., Project: 88-44-550-06

SAMPLE DESCRIPTION: SP-1 09-27-91 1050
 LAB Job No: (-99042)

Parameter	Method	Reporting Limit	Results	Units
17 CAM Metals, WET-sol.				
Antimony	6010	0.2	ND	mg/L
Arsenic	7060	0.005	0.022	mg/L
Barium	6010	0.05	5.3	mg/L
Beryllium	6010	0.05	ND	mg/L
Cadmium	6010	0.05	ND	mg/L
Chromium (VI)	7197	0.005	NA	mg/L
Chromium	6010	0.05	0.16	mg/L
Cobalt	6010	0.05	0.20	mg/L
Copper	6010	0.05	0.66	mg/L
Lead	6010	0.5	4.2	mg/L
Mercury	7470	0.005	ND	mg/L
Molybdenum	6010	0.1	ND	mg/L
Nickel	6010	0.05	0.45	mg/L
Selenium	7740	0.005	ND	mg/L
Silver	6010	0.05	ND	mg/L
Thallium	6010	0.5	ND	mg/L
Vanadium	6010	0.05	0.39	mg/L
Zinc	6010	0.05	3.0	mg/L
PETROLEUM HYDROCARBONS				
VOLATILE (SOIL)				
DILUTION FACTOR *			1	
DATE ANALYZED			10-09-91	
METHOD 8020				
Benzene		2.5	ND	ug/Kg
Ethylbenzene		2.5	ND	ug/Kg
Toluene		2.5	ND	ug/Kg
Xylenes, total		2.5	ND	ug/Kg



NET Pacific, Inc

Client Acct: 212
 Client Name: Converse Consultants
 NET Log No: 1113

Date: 10-15-91
 Page: 3

Ref: Zellerbach-Oakland, 2230 Willow St., Project: 88-44-550-06

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Benzene	2.5	ug/Kg	103	ND	87	104	17
Toluene	2.5	ug/Kg	98	ND	100	107	6.5
Antimony	0.2	mg/L	101	ND	105	102	2.3
Barium	0.05	mg/L	105	ND	103	97	2.7
Beryllium	0.05	mg/L	103	ND	96	94	2.0
Cadmium	0.05	mg/L	101	ND	95	97	2.2
Chromium	0.05	mg/L	110	ND	104	102	1.6
Cobalt	0.05	mg/L	108	ND	102	100	1.5
Copper	0.05	mg/L	106	ND	101	99	2.1
Lead	0.5	mg/L	109	ND	104	104	<1
Molybdenum	0.1	mg/L	106	ND	106	104	2.1
Nickel	0.05	mg/L	109	ND	100	97	2.2
Silver	0.05	mg/L	106	ND	100	97	2.6
Thallium	0.5	mg/L	109	ND	99	96	2.3
Vanadium	0.05	mg/L	103	ND	105	102	2.2
Zinc	0.05	mg/L	105	ND	97	96	1.0
Mercury	0.005	mg/L	92	ND	93	91	1.3
Selenium	0.005	mg/L	72	ND	65	65	<1
Arsenic	0.005	mg/L	101	ND	90	93	2.4

COMMENT: Blank Results were ND on other analytes tested.



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

RECEIVED

CONVERSE ENVIRONMENTAL

Ken Leonard
Converse Consultants
55 Hawthorne St, Ste 500
San Francisco, CA 94105

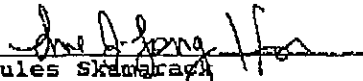
Date: 10-21-91
NET Client Acct. No: 212
NET Pacific Log No: 1113
Received: 09-28-91 1100

Client Reference Information

Zellerbach-Oakland, 2230 Willow St., Project: 88-44-550-06

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:


Jules Skambrack
Laboratory Manager

Enclosure(s)

6436



CONVERSE ENVIRONMENTAL SERVICES

CHAIN OF CUSTODY RECORD

PROJECT NO.: 43-44-550-010				PROJECT NAME / CROSS STREET: ZELLERBACH - OAKLAND				NUMBER OF CONTAINERS	ANALYSES		REMARKS PM - BOJAN GUSTINCIC
STATION NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	046 S03D4E	EPH-1 3530610				
SS-1	3/20/91			X	SOIL PILE SAMPLE #1	1	X	X			STANDARD TURN AROUND TIME
SS-2	3/20/91			X	" " " #2	1	X	X			
<p>CUSTODY SEALED 3/21/91</p> <p>@ 17:00 S.L. <i>sub. lab</i></p>											

RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE: 3/21/91 TIME: 12:35	RECEIVED BY: (Signature) <i>[Signature]</i>	RELINQUISHED BY: (Signature) <i>[Signature]</i>	DATE: 3/21/91 TIME: 17:00	RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature)	DATE:	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature)	DATE:	RECEIVED BY: (Signature)
RELINQUISHED BY COURIER: (Sign.)	DATE:	RECEIVED BY MOBILE LAB: (Sign.)	RELINQ. BY MOBILE LAB: (Signature)	DATE:	RECEIVED BY COURIER: (Signature)
METHOD OF SHIPMENT LWRNCS		SHIPPED BY: (Signature)	RECEIVED FOR LAB: (Signature) <i>[Signature]</i>	DATE: 3-22-91 TIME: 0500	COURIER FROM AIRPORT: (Signature)

10:30AM CONVERSE SF



NET Pacific, Inc.

KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- * : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.



NET Pacific, Inc Client Acct: 212
 Client Name: Converse Consultants
 NET Log No: 6636

Date: 04-03-91
 Page: 3

Ref: Zellerbach, Oakland; project: 88-44-550-06

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verif Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Diesel	1	mg/Kg	92	ND	53	58	8.8
Motor Oil	10	mg/Kg	96	ND	N/A	N/A	N/A
O&G (Total)	50	mg/Kg	103	ND	94	99	4.8
O&G (Non-Polar)	50	mg/Kg	97	ND	N/A	N/A	N/A



NET Pacific, Inc. Client No: 212
 Client Name: Converse Consultants
 NET Log No: 6636

Date: 04-04-91

Page: 2

Ref: Zellerbach, Oakland; project: 88-44-550-06

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	SS-1	SS-2	Units
			03-20-91	03-20-91	
			80587	80588	
Oil & Grease(Total)	EPA9071	50	260	120	mg/Kg
Oil & Grease(Non-Polar)	SM5520EF	50	180	100	mg/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			2	2	
DATE EXTRACTED			03-26-91	03-26-91	
DATE ANALYZED			03-27-91	03-27-91	
METHOD GC FID/3550			--	--	
as Diesel			1	ND	mg/Kg
as Motor Oil			10	58	mg/Kg



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Pacific, Inc. 435 Tesconi Circle Santa Rosa, CA 95401 Tel: (707) 526-7200 Fax: (707) 526-9623

RECEIVED APR 08 1991 CONVERSE ENVIRONMENTAL

Bojan Gustincic Converse Consultants 55 Hawthorne St, Ste 500 San Francisco, CA 94105

Date: 04-04-91 NET Client Acct No: 212 NET Pacific Log No: 6636 Received: 03-22-91 0800

Client Reference Information

Zellerbach, Oakland; project: 88-44-550-06

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

[Signature] Jules Skamarsok Laboratory Manager

JS:rcf Enclosure(s)

November 25, 1991

Mr. Dick Dahm
Gibson Oil & Refining Co., Inc.
3300 Truxtun Avenue, Suite 200
Bakersfield, California 93301

Subject: Disposal of Non-Hazardous Soil
Underground Storage Tank Investigation
2230 Willow Street, Oakland, California

Dear Mr. Dahm:

This letter is to confirm that excavated soil generated at the Zellerbach facility located at 2230 Willow Street, Oakland, California, will be recycled at Gibson Oil and Refining Co., Inc. (Gibson). The material consists of approximately 10 cubic yards of oil and grease contaminated soil. The following analyses have been performed on the soil stockpile: total oil and grease (O&G) by EPA Method 9071, non-polar O&G by Standard Methods 5520 E & F, extractable petroleum hydrocarbons as diesel (EPH-d) and motor oil (EPH-mo) by Method 3550/GCFID, benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8020, and for the 17 CAM Metals (Waste Extraction Test). Copies of the laboratory analytical results are attached.

Based on these analyses, and to the best of my knowledge, the excavated soil is not hazardous waste as defined by the Code of Federal Regulations 40 (CFR) part 261 and the California Code of Regulations Title 22, Article 11.

Very truly yours,

Zellerbach

ORIGINAL SIGNED
BY

Jerry Yates
Operations Manager



55 Hawthorne Street, Suite 500
San Francisco, California 94105-3906

Telephone (415) 543-4200
Fax (415) 777-3157

TO: TELECOPIER #: (570) 569-4757

COMPANY: _____

ATTENTION: JENNIFER BOBLE

FROM: NAME: CURTIS PAXTON

REFERENCE: DISPOSAL OF NON-HAZARDOUS SOIL

DATE/TIME: 5-31-94

REMARKS: _____

TOTAL NUMBER OF PAGES 12, INCLUDING TRANSMITTAL SHEET

If you do not receive all the pages, please notify us as soon as possible at (415) 543-4200.