

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



Alameda County
Environmental Health Services
1131 Harbor Bay Pkwy., #250
Alameda CA 94502-6577
(510)567-6700 FAX(510)337-9225

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 415 - 3420 Telegraph Ave, Oakland, CA

June 28, 1996

Mr. Leslie Alsprach
Summit Medical Center
P.O. Box 986
Orinda, CA 94563

Dear Mr. Alsprach:

This letter confirms the completion of site investigation and remedial action for the three former underground storage tanks (1-125, 1-300, and 1-120 gallon tanks) removed from the above site on April 26, May 4, and May 28, 1993. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, 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 changes in land use, structural configuration, or site activities are proposed such that more conservative exposure scenarios should be evaluated, the owner must promptly notify this agency.

Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,

A handwritten signature in black ink, appearing to read "Mee Ling Tung".

Mee Ling Tung, Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Lori Casias, SWRCB (with attachment)
Century West, 7950 Dublin Blvd, #203, Dublin, CA 94568
files (summit6)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION

Date: February 29, 1996

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Pkwy
 City/State/Zip: Alameda, CA 94502 Phone: (510) 567-6700
 Responsible staff person: Eva Chu Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Summit Medical Center
 Site facility address: 3420 Telegraph, Oakland 94609
 RB LUSTIS Case No: N/A Local Case No./LOP Case No.: 415
 URF filing date: 5/10/93 SWEEPS No: N/A

<u>Responsible Parties:</u>	<u>Addresses:</u>	<u>Phone Numbers:</u>
Summit Medical Center Leslie Alsprach	P.O. Box 986 Orinda, CA 94563	

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	125	Waste Oil (?)	Removed	4/26/93
2	300	Waste Oil (?)	Removed	5/4/93
3	120	Waste Oil (?)	Removed	5/28/93

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: Unknown
 Site characterization complete? YES
 Date approved by oversight agency: 4/5/94
 Monitoring Wells installed? Yes Number: 5
 Proper screened interval? Yes, 5 to 19.5' bgs
 Highest GW depth below ground surface: 6.16' Lowest depth: 11.65' in MW-2
 Flow direction: West, southwest
 Most sensitive current use: Commercial
 Are drinking water wells affected? No Aquifer name: Unknown
 Is surface water affected? No Nearest affected SW name: NA
 Off-site beneficial use impacts (addresses/locations): None

Report(s) on file? YES Where is report(s) filed? Alameda County
 1131 Harbor Bay Pkwy
 Alameda, CA 94502

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount (include units)</u>	<u>Action (Treatment or Disposal w/destination)</u>	<u>Date</u>
Tank	3 USTs	Erickson, in Richmond	4/26 & 5/18/93
Free Product	160 gallon	Evergreen, in Newark	4/26/93
Soil	100 cy	Unknown	
Rinseate	20 gallon	Evergreen, in Newark	4/26/93
	95 gallon	Evergreen, in Newark	5/12/93

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppb)	
	Before	After	Before	After
TPH (Gas)	470	2.7	4,900	570
TPH (Diesel)	1,200	11	1,800	510
Benzene	0.51	ND	7.7	ND
Toluene	2.7	ND	5.3	1.1
Ethylbenzene	3.0	ND	22	2.1
Xylenes	11.0	ND	4.3	2.1
Oil & Grease	1,900	67	910	910
Heavy metals <i>Lead</i>	5.1	5.1		
Other 1,2-Dichlorobenzene	0.53	ND	ND	ND
1,1,1-TCA	ND	ND	0.4	ND

Comments (Depth of Remediation, etc.):

See Section VII, Additional Comments, etc...

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: **None**

Should corrective action be reviewed if land use changes? **YES**

Monitoring wells Decommissioned: **None, pending site closure**

Number Decommissioned: **0** Number Retained: **5**

List enforcement actions taken: **None**

List enforcement actions rescinded: **NA**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Eva Chu Title: Haz Mat Specialist

Signature: *Eva Chu* Date: 3/8/96

Reviewed by

Name: Barney Chan Title: Haz Mat Specialist

Signature: *Barney Chan* Date: 3/1/96

Name: Amy Leech Title: Haz Mat Specialist

Signature: *Amy Leech* Date: 3/4/96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 3/11/96

RB Response: *Approved*

RWQCB Staff Name: Kevin Graves

Title: AWRCE

Signature: *Kevin Graves*

Date: 3/26/96

VII. ADDITIONAL COMMENTS, DATA, ETC.

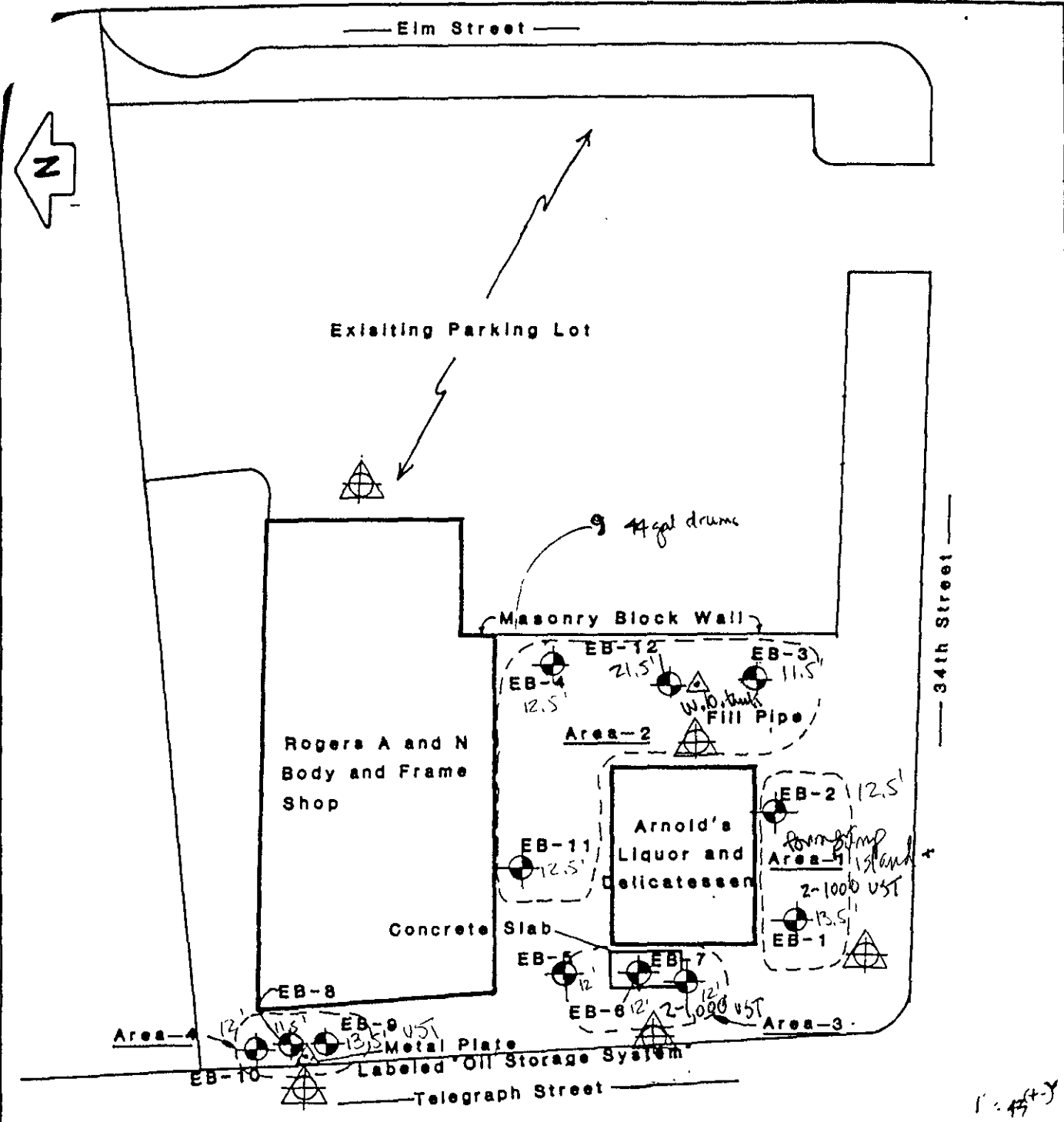
The subject site consisted of two parcels. The southwest portion of the site was formerly a service station. Four 1,000 gallon fuel USTs were reportedly removed on December 3, 1975. No documentation of the UST removals are available. The northwest portion of this site was a body and frame shop.

When an environmental assessment of the site was performed in February 1989, four areas were identified and suspected as the locations of existing or former USTs and pump island. A total of 12 exploratory borings (EB-1 thru EB-12) were placed within each of these areas to a depth of 11.5 to 21.5'. Soil samples were collected at various depths, and based on PID readings, four of the samples were selected for laboratory analysis. Only boring EB-9 detected petroleum hydrocarbons in excess of 100 ppm at 7' depth (220 ppm TPH-G, and ND, 0.15, 0.67, and 0.41 ppm BTEX, respectively). (See Fig 1, Table 1)

From April through May 1993 three USTs (designated east, north, and middle UST), one sump, and two hydraulic lifts were removed. Based on analytical results of the soil samples collected, the north and middle UST pits were overexcavated, as well as the lift and sump areas, removing most of the petroleum-impacted soil. Abandoned piping was also removed. A total of approximately 100 cy of hydrocarbon-impacted soil was removed. Confirmatory soil samples exhibited a maximum of 20 ppm TPH-MO and 67 ppm TOG left in place. (See Fig 2, Table 2)

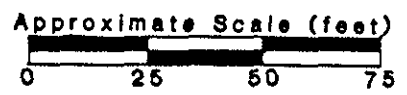
In February 1994 five groundwater monitoring wells were installed. Soil samples collected at approximately 5 and 10' depths from each boring did not detect elevated levels, except boring MW-3 which contained up to 9.2 ppm TPH-G, 76 ppm TPH-D, 570 ppm TPH-MO, and trace levels of xylenes and ethylbenzene at 11' bgs. The wells have been sampled for six consecutive quarters, from February 1994 to August 1995, and analyzed for TPH-G, TPH-D, TPH-MO, and BTEX. (See Fig 3, Table 3). Analysis for HVOCs in well MW-2 was performed in the last two sampling quarters. TPH-G and TPH-D levels in well MW-2 have attenuated. Current levels of TPH-G, TPH-D, TPH-MO, and BTEX in groundwater monitoring wells are unremarkable. Residual levels of petroleum hydrocarbons in soil and groundwater do not appear to pose a risk to human health or the environment. Continued sampling is not warranted.

summit4



LEGEND

- EB-12 Approximate Location of Exploratory Boring
- (Area 4) Area as Referenced in Text
- Approximate Location of Proposed Monitoring Well



Base: "New Site Plan and Existing Site Plan", by Stephen J. Short and Associates, dated Dec. 22, 1987

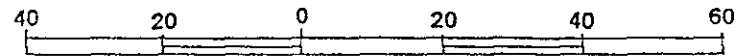
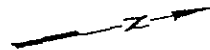
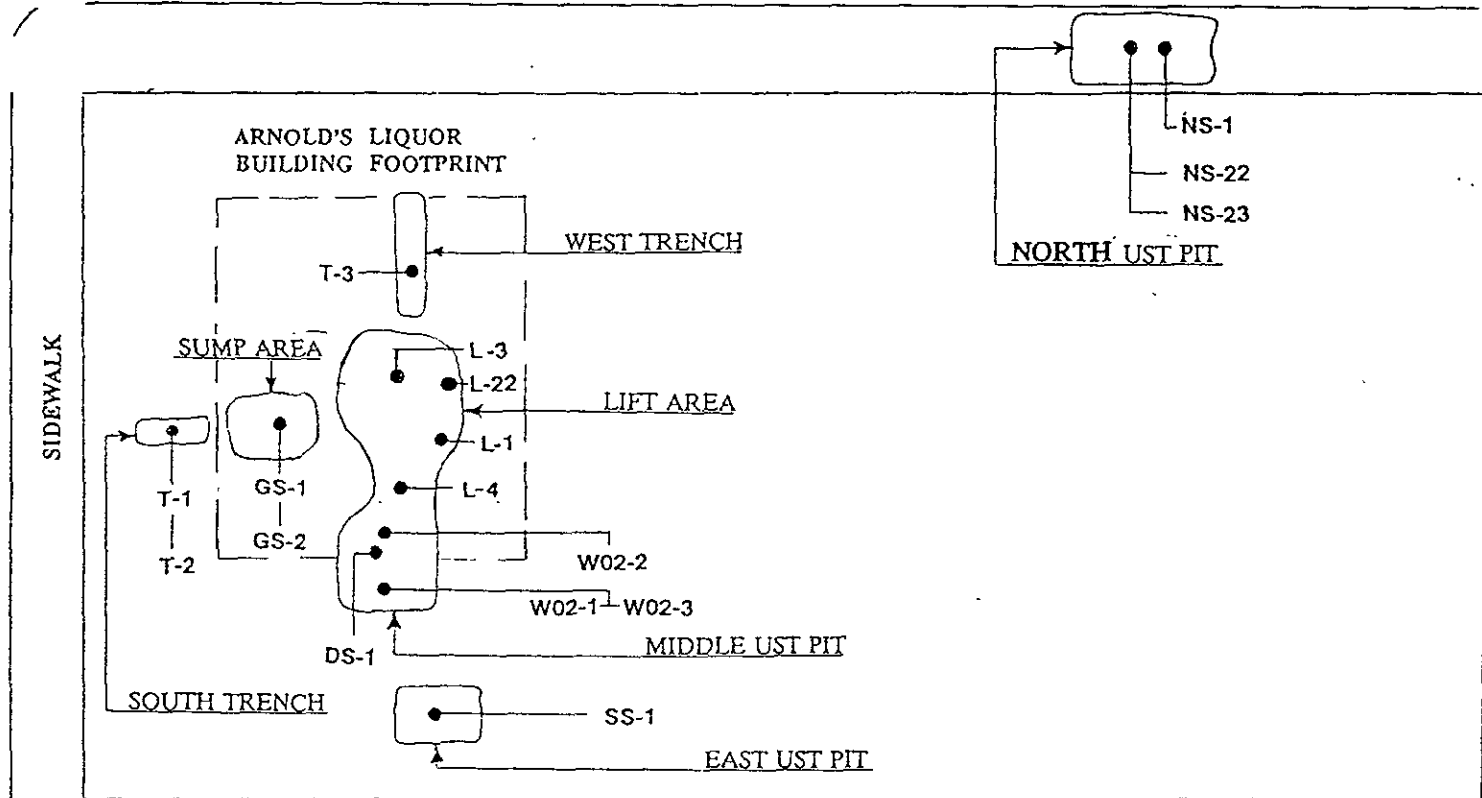


Kaldveer Associates
Geoscience Consultants
A California Corporation

SITE PLAN		
MPI OFFICE AND PROGRAM BUILDING Oakland California		
PROJECT NO.	DATE	Figure 1 of 2
KE1047-1A	April 1989	

TELEGRAPH AVENUE

34th STREET



APPROX. SCALE (FT.)

DESIGNED BY :	DATE :
DRAWN BY :	SCALE :
CHECKED BY :	SEC. :
DRAWING NO. :	

CENTURY WEST  ENGINEERING

FIGURE 2
SITE PLAN

CWEC 20538-001-01

DRAWING NO.

SHEET NO.

TELEGRAPH AVENUE

MW-5
43.48

FORMER NORTH
UST

47.16
MW-4

46.0

FORMER LIFT
AREA

SIDEWALK

FORMER MIDDLE UST

MW-1
45.63

MW-3
45.82

45.75

MW-2

44.0

SIDEWALK

0 20 40 60
APPROXIMATE SCALE (ft)

34th STREET

DESIGNED BY :	DATE :
DRAWN BY :	SCALE :
CHECKED BY :	SEC :
DRAWING NO :	

CENTURY WEST ENGINEERING

FIGURE 3
GROUND WATER FLOW MAP
GRADIENT = 0.04 ft/ft
(04/10/95)

DRAWING NO.

SHEET NO.

TABLES

<u>TEST NAME</u>	<u>EPA TEST METHOD</u>
Benzene, Toluene, Xylene and Ethylbenzene (BTXE)	8020
Total Petroleum Hydrocarbons as Gasoline	8015
Total Petroleum Hydrocarbons as Diesel	8015
Waste Oil	413.2 (I.R.)
Chlorinated Pesticides and PCB's	8080
Total Lead	7421

The soil samples selected for analysis were based on field observations and readings taken with a Photovac TIP photoionization detector (PID). The photoionization readings are presented on each boring log under the column headed PID in Appendix A.

ANALYTICAL TEST RESULTS

Analytical results are summarized below on Table 1 and the complete analytical laboratory results are attached to this report as Appendix B.

TABLE 1
ANALYTICAL RESULTS
(in parts per million, mg/kg)
Location, Sample Number and Depth

Compound	Area 1	Area 2	Area 3	Area 4
	EB-2 1.5'	EB-12 9.0'	EB-6 7.0'	EB-9 7.0'
Benzene	ND	ND	ND	ND
Toluene	ND	ND	ND	0.15
Xylene	ND	ND	ND	0.41
Ethylbenzene	ND	ND	ND	0.67
Total Petroleum Hydrocarbons as Gasoline	4.0	1.1	7.9	220.0
Total Petroleum Hydrocarbons as Diesel	10.0	ND	69.0	8.1
Waste Oil	--	4.8	--	69.0
PCB's	--	ND	--	ND
Lead	--	5.1	--	3.6

Table 2
SUMMARY OF SOIL ANALYTICAL RESULTS
3414 and 3420 Telegraph Avenue UST Site

Sample ID	Sample Depth	Concentration (parts per million)							
		TPH-G	TPH-D	TPH-MO	B	T	X	E	TOG
East UST									
SS-1	8.0 ft	ND(1) ¹	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	-- ²
North UST									
NS-1	9.0 ft	470	140	94	0.51	2.70	11.00	3.00	--
NS-22	11.5 ft	ND(1)	38	--	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	--
NS-23	13.5 ft	ND(1)	ND(1)	--	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	--
Middle UST									
DS-1	1.5 ft	11	80	1,900	ND(.0025)	0.0040	ND(.0025)	ND(.0025)	--
WO2-1	7.0 ft	17	47	720	ND(.0025)	0.016	0.100	0.030	860
WO2-2	9.0 ft	2.7	11	500	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	670
WO2-3	10.0 ft	ND(1)	ND(1)	20	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	67
L-3	11.5 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	ND(50)
L-4	10.5 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	ND(50)
Lift Area									
L-1	5.0 ft	130	1,200	--	0.044	0.023	0.510	0.046	--
L-22	5.0 ft	--	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	--
Sump Area									
GS-1	2 ft	610	550	710	ND(.005)	ND(.005)	ND(.005)	ND(.005)	1,900
GS-2	5 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	ND(50)
South Trench									
T-1	4.5 ft	ND(1)	1.2	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	ND(50)
T-2	10 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	ND(50)
West Trench									
T-3	10 ft	ND(1)	ND(1)	ND(10)	ND(.0025)	ND(.0025)	ND(.0025)	ND(.0025)	ND(50)

¹ - Not detected above the value expressed in the parentheses.

² - Not analyzed.

Cont Table #2
SOIL ANALYTICAL RESULTS FOR VOCs
 3414 and 3420 Telegraph Street UST Site

Constituent	Concentration (parts per million)				
	NS-1	DS-1	WO2-1	GS-1	GS-2
Methylene chloride	ND(.025) ¹	0.0055	ND(.025)	ND(.025)	ND(.025)
Acetone	75	ND(.025)	0.110	ND(.025)	0.031
Benzene	ND(.005)	ND(.005)	ND(.005)	ND(.005)	ND(.005)
2-Butanone (MEK)	10	ND(.010)	ND(.005)	ND(.010)	ND(.010)
1,2-Dichlorobenzene	ND(.005)	0.0088	0.038	0.53	ND(.005)
1,3-Dichlorobenzene	ND(.005)	ND(.005)	ND(.005)	0.10	ND(.005)
1,4-Dichlorobenzene	ND(.005)	ND(.005)	ND(.005)	0.16	ND(.005)
Ethylbenzene	0.39	ND(.005)	ND(.005)	ND(.005)	ND(.005)
Toluene	0.58	0.0094	0.022	ND(.005)	ND(.005)
Xylenes	1.70	ND(.005)	0.057	ND(.005)	ND(.005)

¹ - Not detected above the level expressed within parentheses.

All other samples analyzed for volatile organic compounds (WO2-2, WO2-3, T-1, T-2, and T-3) contained no detectable VOCs.

5.0 CONCLUSIONS

Based on laboratory analytical results and field observations, we conclude the following:

- 1) Based on the results of SS-1, the east UST exhibits no evidence of leakage. Therefore, we propose that this UST pit be backfilled with the clean material (the original excavated backfill plus imported clean fill).
- 2) Overexcavation of the north UST pit appears to have defined the vertical extent of hydrocarbon migration to soils above twelve feet in depth. Although some additional lateral migration may have occurred, we do not believe that additional overexcavation is prudent given the location of the UST in the Telegraph Street sidewalk.
- 3) Overexcavation of the middle UST appears to have removed all significant levels of hydrocarbons associated with both the middle waste oil UST and the lift area (which includes the two lifts discovered during excavation activities).

Table 3
SUMMARY OF GROUND WATER ANALYTICAL RESULTS
3400 Telegraph Avenue UST Site

Well Number	Sample Date	GW Elevation	Concentration (ppm)						
			TPH-G	TPH-D	TPH-MO	B	T	E	X
MW-1	02/16/94	45.25	0.11 ²	0.15 ³	ND(0.5) ⁴	ND(.0005)	0.0053	ND(.0005)	ND(.0005)
	05/24/94	44.88	ND(0.05)	0.13	ND(0.5)	ND(.0005)	0.0053	ND(.0005)	ND(.0005)
	08/15/94	39.17	0.16	0.17	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	11/22/94	44.31	ND(0.05)	ND(0.05)	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	04/10/95	45.63	ND(0.05)	0.06 ⁵	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	08/15/95	43.49	ND(0.05)	ND(0.05)	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
MW-2	02/16/94	45.45	4.9	1.5 ⁶	ND(0.5)	0.0077	0.0024	0.022	0.0020
	05/24/94	45.15	3.1	1.8 ⁶	ND(0.5)	0.0019	0.0018	0.0027	0.0021
	08/15/94	43.26	2.6	1.2 ⁶	ND(0.5)	0.0008	ND(.0005)	ND(.0005)	0.0043
	11/22/94	45.57	0.08 ⁶	0.15	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	04/10/95	45.75	ND(0.05)	ND(0.05)	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	08/15/95	43.97	0.87	0.51 ⁶	ND(0.5)	ND(.0005)	0.0011	0.0021	0.0021
MW-3	02/16/94	45.78	0.21 ⁶	ND(0.05)	0.82	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	05/24/94	45.40	ND(0.05)	ND(0.05)	0.89	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	08/15/94	43.52	ND(0.05)	ND(0.05)	0.70	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	11/22/94	-- ⁷	--	--	--	--	--	--	--
	04/10/95	45.82	ND(0.05)	0.07 ⁶	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	08/15/95	44.42	ND(0.05)	0.15 ⁶	0.91	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
MW-4	02/28/94	47.02	ND(0.05)	0.12	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	05/24/94	46.35	ND(0.05)	ND(0.05)	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	08/15/94	43.23	ND(0.05)	ND(0.05)	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	11/22/94	44.52	ND(0.05)	0.30	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	04/10/95	47.16	-- ⁸	0.12 ⁶	ND(0.5)	--	--	--	--
	08/15/95	46.49	-- ⁸	0.15 ⁶	ND(0.5)	--	--	--	--
MW-5	02/28/94	40.15	ND(0.05)	0.08	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	05/24/94	39.91	ND(0.05)	ND(0.05)	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	08/15/94	38.78	ND(0.05)	0.16	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	11/22/94	40.72	ND(0.05)	ND(0.05)	ND(0.5)	ND(.0005)	ND(.0005)	ND(.0005)	ND(.0005)
	04/10/95	43.48	-- ⁸	ND(0.05)	ND(0.5)	--	--	--	--
	08/15/95	39.88	-- ⁸	ND(0.05)	ND(0.5)	--	--	--	--