

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



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

REMEDIAL ACTION COMPLETION CERTIFICATION

November 13, 1996

Attn: Tara Lynch
Mobile Oil Corporation
3225 Gallows Rd., Rm. 6W319
Fairfax VA 22037

Dear Ms. Lynch:

UNDERGROUND STORAGE TANK (UST) CASE
Former Mobile S/S No. 10-L1X
15884 Hesperian Blvd.
San Lorenzo CA 94580
SITE NO. 4217

This letter confirms the completion of site investigation and remedial action for the underground storage tanks formerly located at the above-described location. 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 storage tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, California Code of Regulations, Division 3, Chapter 16, Section 2721 (e). If a change 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 telephone Amy Leech at (510)567-6700 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung, Director of Environmental Health Services

ATTACHMENT

c: Attn: Ron Scheele, Alton Geoscience, 30A Lindbergh Ave., Livermore CA 94550
Kevin Graves, RWQCB
Lori Casias, SWRCB w/attachment
Acting Chief of Environmental Protection Division
ALL/Files

01-0991

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program
Page 1 of 4

I. AGENCY INFORMATION

Agency name: **Alameda County-HazMat**
Date/City/State/Zip: **Alameda, CA 94502**
Responsible staff person: **Amy Leech**

Date: **June 10, 1996**
Address: **1131 Harbor Bay Pkwy**
Phone: **(510) 567-6700**
Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Former Mobile S/S No. 10-L1X**
Site facility address: **15884 Hesperian Blvd., San Lorenzo CA 94580**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **4217**
URF filing date: **03/06/86** SWEEPS No: **N/A**

Responsible Parties: *Jara Lynch*
Attn: **Michele Fear** *3225 Gallows Rd., Rm 6W319*
Mobile Oil Corporation *Fairfax VA 22037*
Address: *3225 Gallows Rd., Rm 2M211*
Fairfax VA 22037
Phone Numbers: *3225 Gallows Rd., Rm 6W319*
Fairfax VA 22037

<u>Tank No:</u>	<u>Size in gal.:</u>	<u>Contents:</u>	<u>Closed in-place or removed?:</u>	<u>Date:</u>
1	unknown	Gasoline	removed	3/86
2	"	"	"	"
3	"	"	"	"
4	"	Waste oil	"	"
5	10,000	Gasoline	"	12/87
6	10,000	"	"	"
7	12,000	"	"	"
8	1,000	Waste oil	"	"

JUL 15 AM 8:54

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Unknown**

Site characterization complete? **Yes**
Date approved by oversight agency: **03/28/96**

Monitoring Wells installed? **Yes** Number: **8**

Proper screened interval? **Yes**

Highest GW depth below ground surface: **9.73 ft** Lowest depth: **15.29 ft (MW-2)**

Flow direction: **Southwest**

Most sensitive current use: **Commercial (Parking lot for a shopping center.)**

Are drinking water wells affected? **No** Aquifer name: **N/A**

Is surface water affected? **No** Nearest affected SW name: **N/A**

Off-site beneficial use impacts (addresses/locations): **Not Known**

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

III. RELEASE AND SITE CHARACTERIZATION INFORMATION (cont'd)

Treatment and Disposal of Affected Material:

<u>Material</u>	<u>Amount</u> <u>(include units)</u>	<u>Action (Treatment</u> <u>or Disposal w/destination)</u>	<u>Date</u>
USTs	4 (size not known)	unknown	3/86
USTs	4 (2-10,000 gal., 1-12,000 gal., and 1-1,000 gal.)	unknown	12/87
Soil	620 cubic yards		1987-1988

Stockpiled soil was reportedly aerated on-site to "non-detectable" levels of TPH-G and BTEX and then returned to the former gasoline UST pit.

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

<u>Contaminant</u>	<u>Soil (ppm)</u>		<u>Water (ppb)</u>	
	<u>Before</u> ¹	<u>After</u> ²	<u>Before</u> ³	<u>After</u> ⁴
TPH (Gasoline)	1,100	ND	58,000	ND
TPH (Diesel)	22	22	ND	ND
Benzene	4.7	ND	4,300	ND
Toluene	39	ND	390	ND
Ethylbenzene	15	ND	NT	2.6
Xylene	47	ND	1,800	1.5
Oil & Grease	360	86	ND	ND
Heavy Metals	NT	see footnote	ND	see footnote
HVOC	NT	ND	ND	ND
SVOC	NT	NT	NT	ND

ND=non-detect

NT=not tested

- "Before" soil samples were collected from the UST pits in 12/87 after the second set of USTs were excavated and removed.
- "After" soil samples were collected at 6 & 11 ft bgs from boring B-7 within the former gasoline after overexcavation activities and boring B-5 located downgradient of the former waste oil UST pit. Trace concentrations of Cd, Cr, Ni, and Zn were detected in boring B-5. TPH-D and O&G results are from samples collected within the waste oil pit after excavation and removal of the second waste oil tank.
- "Before" water samples were collected from monitoring well MW-2 in 8/86 and MW-5 in 2/92.
- "After" water samples were collected from MW-2 in 8/95 and MW-5 in 8/92. 12 ppb Zn was detected in groundwater sample from MW-5.

Comments (Depth of Remediation, etc.):

See comments under Additional Comments section.

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: **N/A**

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

IV. CLOSURE (cont'd)

Monitoring wells Decommissioned: **No, pending case closure review.**

Number Decommissioned: **2** Number Retained: **4**

(Monitoring wells MW-1 and MW-4 were never re-located after the site had been paved over and turned into a parking lot.)

List enforcement actions taken: **n/a**

List enforcement actions rescinded: **n/a**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Amy Leech

Signature: 

Title: Hazardous Materials Specialist

Date: **6-10-96**

Reviewed by

Name: Jennifer Eberle

Signature: 

Title: Hazardous Materials Specialist

Date: **6-10-96**

Name: Thomas Peacock

Signature: 

Title: Supervising, Hazardous Materials Spec.

Date: **6-11-96**

VI. RWQCB NOTIFICATION

Date Submitted to RB:

RWQCB Staff Name: Kevin Graves, P.E.

Title: Assoc. Water Resources Control Engineer

RB Response: 

Signature: 

Date: **7/1/96**

VII. ADDITIONAL COMMENTS

In March 1986, three gasoline underground storage tanks (USTs) and one waste oil UST were removed from a retail gasoline station located at 15884 Hesperian Blvd., San Lorenzo, CA. (See attachment 1 for site location.) Soil samples collected from beneath the gasoline tanks were analyzed for TPH-G and BTEX. The sample from beneath the waste oil tank was analyzed for TPH-D, BTEX, TOG, and 8010 constituents. Samples from beneath the gasoline tanks had TPH-G levels ranging from 37 to 1,100 ppm. The sample from the waste oil pit had 360 ppm waste oil. (See attachment 2 for 3/86 UST removal soil results.) The gasoline tanks and waste oil tank were replaced with four fiberglass USTs which were installed in the same location.

After the UST replacement in 1986, four monitoring wells (MW-1 through MW-4) were installed in July 1986. (See attachment 3 for well locations and attachment 6 for boring logs.) Soil samples were reportedly not collected during well installation.

In December 1987, the four fiberglass USTs were removed and 620 cubic yards of contaminated soil was excavated and removed from the former gasoline UST pit in preparation for abandoning the site. (See attachment 4 for the 12/87 UST removal soil results.) The excavated soil was reportedly aerated to non-detectable levels and returned to the excavation. (See attachment 5 for stockpile soil results.) During excavation activities, monitoring well MW-2 was destroyed; however, it was replaced in the approximate location and renamed MW-2.

Groundwater was sampled five times from 1986 through 1988. The analytical results of groundwater samples from these four wells indicated that groundwater flow was to the southwest and contamination to groundwater was evident downgradient from the former gasoline UST pit. A marked decrease of TPH-G and BTEX concentrations in groundwater occurred at the site subsequent to overexcavation of contaminated soil from the gasoline UST pit. (See attachment 8 for historical groundwater results for 8/86 through 8/88.)

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program
Page 4 of 4

VII. ADDITIONAL COMMENTS (cont'd)

Subsequent to closing down the gasoline station in 1988, the area was paved over to serve as a shopping mall parking lot. It appears that environmental investigations did not occur between August 1988 until October 1991. During an October 1991 site investigation, monitoring well MW-3 was found to be broken and filled with debris, and MW-1 and MW-4 could not be located.

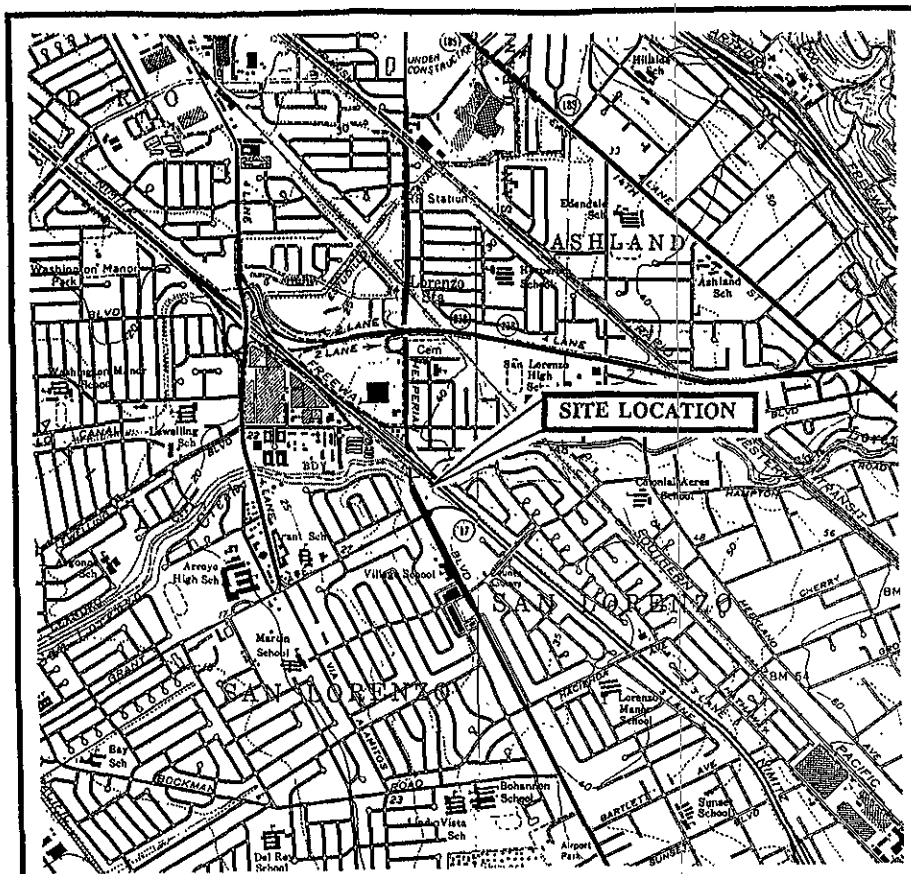
In January 1992, four soil borings (B-5 through B-7) were advanced and three additional monitoring wells (MW-5 through MW-7) were installed to further define the lateral extent of hydrocarbon impacted soil and groundwater. MW-3 was also properly destroyed during this phase of investigations. (See attachment 6 for boring logs and attachment 7 for soil results.)

In September 1993, monitoring well MW-8 was installed downgradient of the gasoline UST and upgradient of residential properties located across Hesperian Boulevard. TPH-G or BTEX were not detected in soil samples collected from MW-8.

Groundwater was monitored in monitoring wells MW-2, MW-5, MW-6, MW-7, and MW-8 twelve (13) times from 1992 through 1995. TPH-G and BTEX have not been detected in any of the wells for at least the last four quarters of sampling, except for MW-7 where ethylbenzene and xylenes were detected at 2.6 and 1.5 ppb, respectively, during the last sampling event in August 1995. In addition to TPH-g and BTEX, groundwater collected from monitoring well MW-5, located just downgradient from the former location of the waste oil tank, was analyzed for TPH-D, TOG, HVOC, SVOC, and metals. All analytical results for these constituents were unremarkable. (See attachment 8 for historical groundwater results.)

It appears that soil samples were not collected from the pump island area during tank removal/site abandonment activities. However, boring B-6 (monitoring well MW-6) was located within approximately 10 feet and cross gradient of the pump islands. Soil samples collected from boring B-6 were non-detect for TPH-G and BTEX. Analytical results of groundwater sampled from this well have been non-detect during the last twelve sampling events from 5/92 through 8/95.

The overexcavation of contaminated soil at this site appears to have been effective in reducing the impact of petroleum hydrocarbons to groundwater. No further investigations are recommended.



North



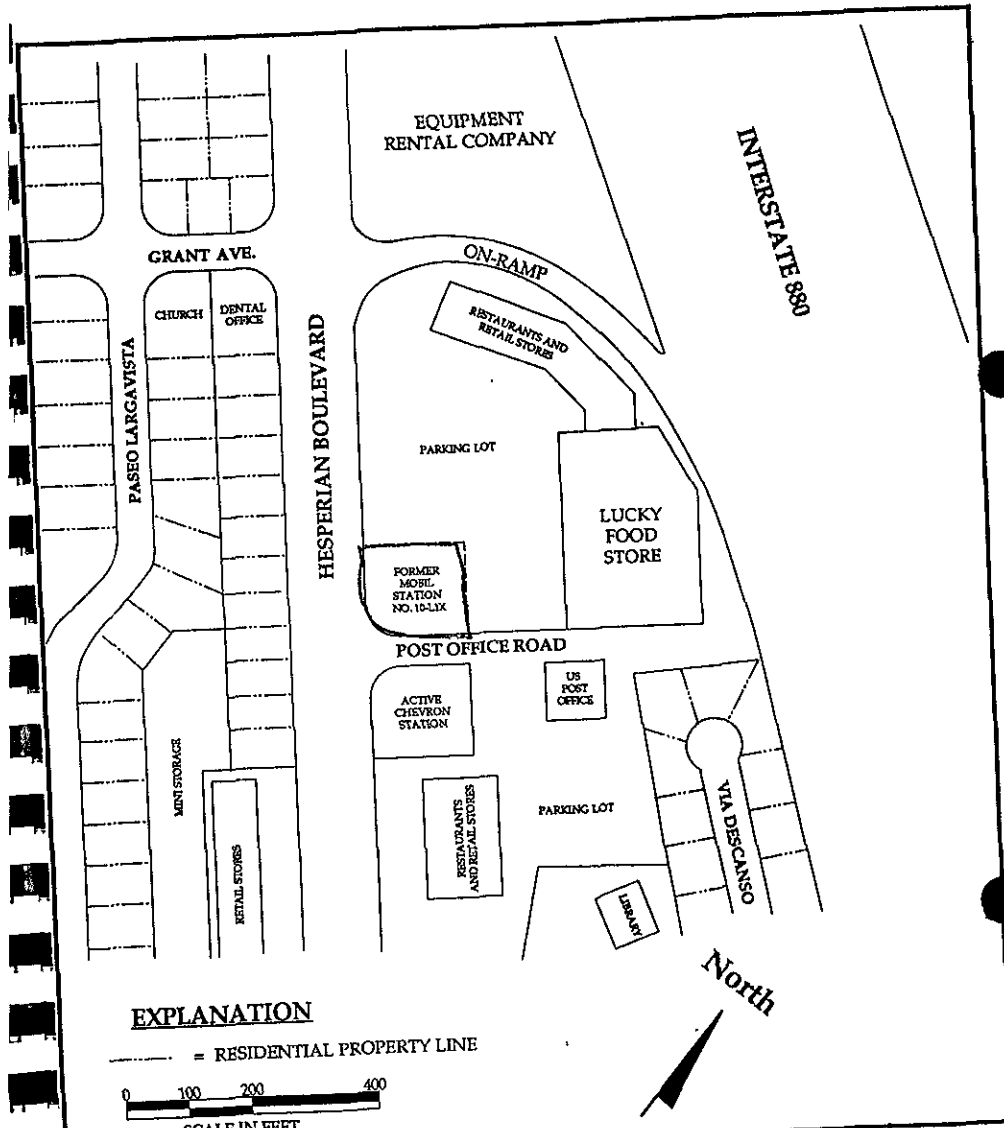
Scale 1:24,000

Source: U.S. Geological Survey
7.5 Minute Quadrangle Maps
Entitled: "San Leandro, California"
and "Hayward, California"
Revised 1980

HYDRO
ENVIRONMENTAL
TECHNOLOGIES, INC.

SITE LOCATION MAP
Former Mobil Service Station No. 10-L1X
15884 Hesperian Boulevard
San Lorenzo, California

Job No.
8-019
Figure
1



EXPLANATION

— = RESIDENTIAL PROPERTY LINE



SCALE IN FEET

North



HYDRO
ENVIRONMENTAL
TECHNOLOGIES, INC.

SITE VICINITY MAP
Former Mobil Service Station No. 10-L1X
15884 Hesperian Boulevard
San Lorenzo, California

Job No.
8-019
Figure
2



KAPREALIAN ENGINEERING, INC.

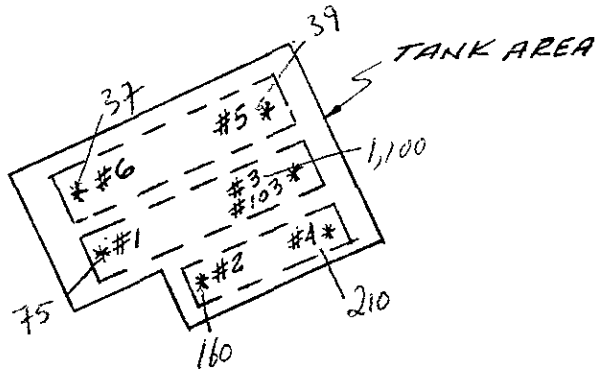
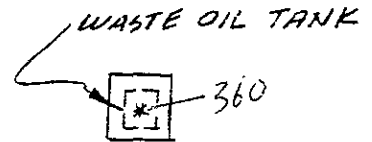
Consulting Engineers

535 Main Street

Martinez, Ca. 94553

(415) 372-5444

HESPERIAN



DRIVEWAY TO SHOPPING CENTER

SOIL SAMPLING LOCATION

N.T.S.

<u>SAMPLE No</u>	<u>DEPTH (FT.)</u>	<u>THC (PPM)</u>
# 1	14.0	75.0
# 2	14.0	160.0
# 3	15.0	1100.0
# 103	16.0	7.0
# 4	14.0	210.0
# 5	14.0	39.0
# 6	14.0	37.0
WASTE OIL	10.0	360.0

KEI-P86-0310A
September 15, 1986

TABLE - 1

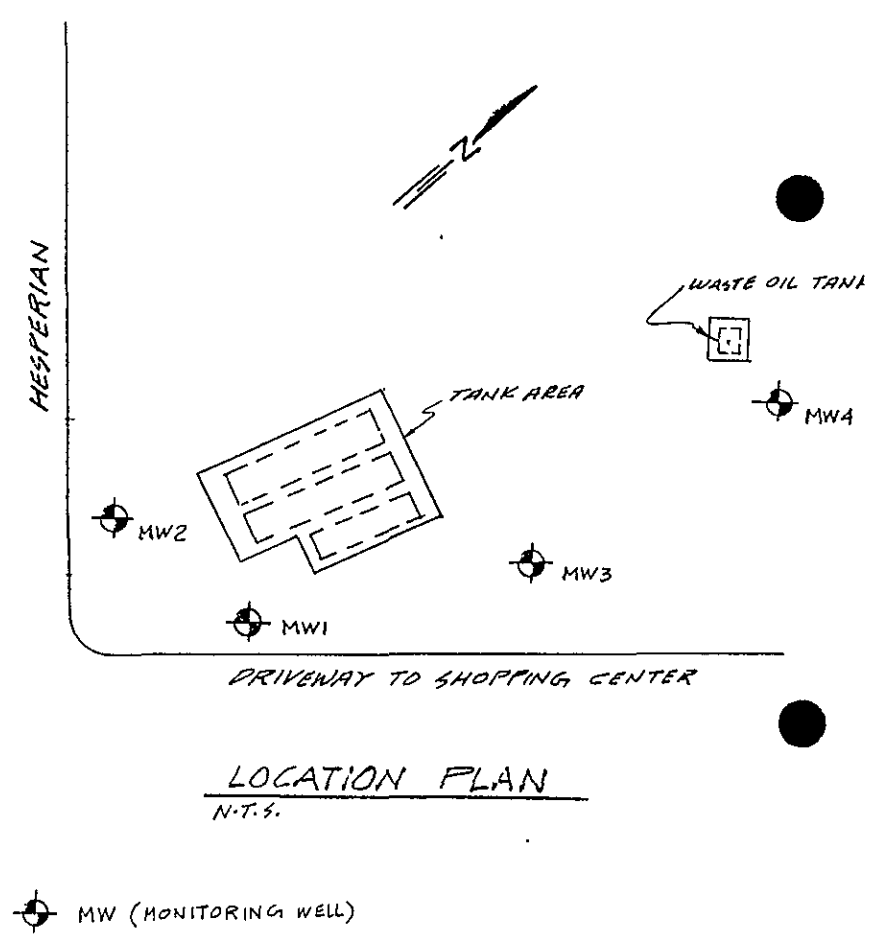
Results of Groundwater Analysis

<u>Parameter</u>	<u>MW #1</u>	<u>MW #2</u>	<u>MW #3</u>	<u>MW #4</u>
Petroleum Total Hydrocarbons (ppm)	<0.05	58	<0.05	<0.05
Benzene (ppm)	<0.001	4.3	<0.001	<0.001
Toluene (ppm)	<0.001	0.39	<0.001	<0.001
Xylene (ppm)	<0.001	1.8	<0.001	<0.001
Depth (feet)	14.2	13.5	14.0	14.1
Free Product (inches)	0.0	0.0	0.0	0.0
Odor	ND	Slight	ND	ND
Sheen	ND	ND	ND	ND

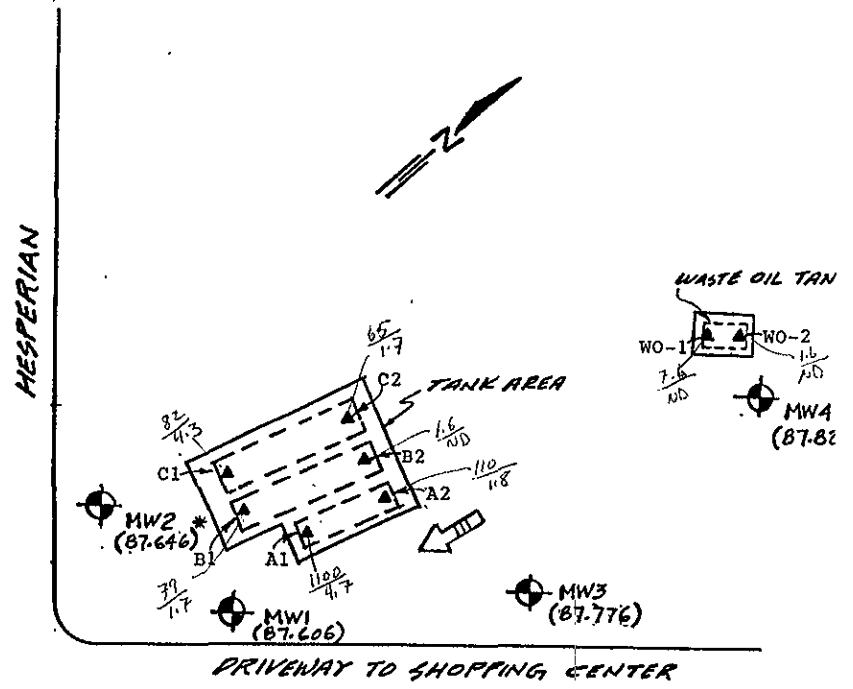
ND = None Detected



KAPREALIAN ENGINEERING, INC.
Consulting Engineers
535 Main Street
Martinez, Ca. 94553
(415) 372-5444



(W)



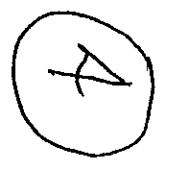
LOCATION PLAN
N.T.S.

- ▲ Soil sample location
 - ⊕ MW (MONITORING WELL)
 - () ELEVATION OF GROUNDWATER (FT.)
 - * SURFACE ELEV. OF MW2 ASSUMED 100 FT. (DATUM)
 - ➔ GENERAL DIRECTION OF GROUND-WATER FLOW
- MOBIL S/S #10-LIX
15884 Hesperian Blvd.
San Lorenzo, California

TABLE 1
SUMMARY OF LABORATORY ANALYSES
(all analyses are in parts per million)

Sample #	TPH as Gasoline	TPH as Diesel	Benzene	Toluene	Xylene	Ethylbenzene
A1	1100	---	4.7	39	47	15
A2	110	---	1.8	0.36	5.7	1.9
B1	79	---	1.7	0.90	8.5	1.7
B2	1.6	---	<0.1	<0.1	0.60	0.85
C1	82	---	4.3	8.3	10	4.2
C2	65	---	1.7	2.1	4.4	1.7
W.O.-1*	7.6	22	<0.1	<0.1	---	<0.1
W.O.-2*	1.6	<1	---	---	---	---

* Total Oil and Grease
W.O.-1 86 ppm
W.O.-1 <30 ppm





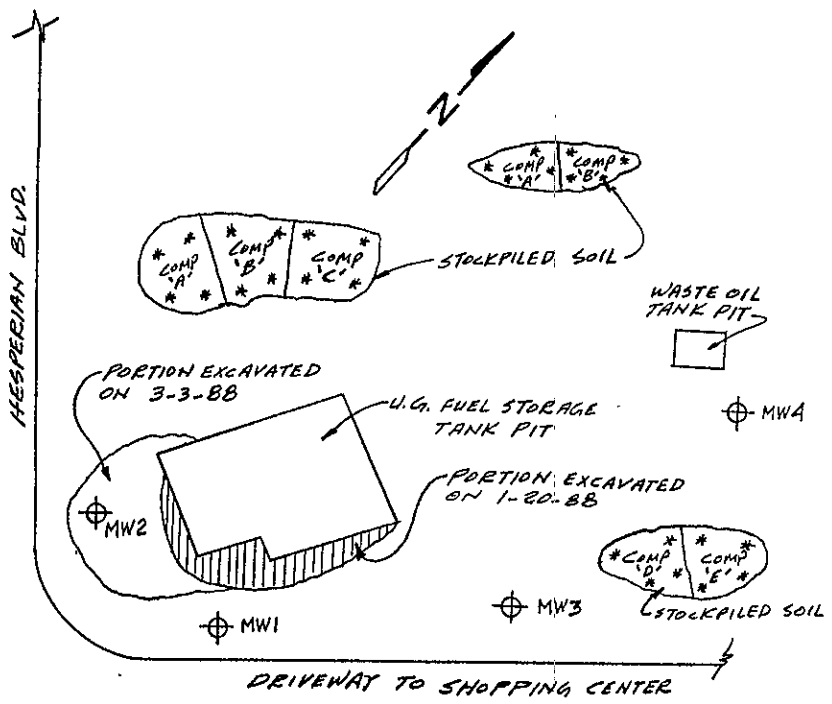
KAPREALIAN ENGINEERING, INC.

Consulting Engineers
P. O. BOX 913
BENICIA, CA 94510
(415) 676-9100 (707) 746-6915

KEI-J87-128SD
March 11, 1988
Page 3

Table -1
Summary of Laboratory Analyses
(parts per million)

Date	Sample	Type	TPH	Benzene	Toluene	Xylene	Ethyl-benzene
1/27/88	Comp A	Soil	6.9	0.1	.07	4.1	0.5
	Comp B	Soil	20	0.1	2.8	4.8	1.0
2/17/88	Comp W	Water	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
3/08/88	Comp A	Soil	<1	<0.1	<0.1	<0.1	<0.1
	Comp B	Soil	<1	<0.1	<0.1	<0.1	<0.1
	Comp C	Soil	1.5	<0.1	<0.1	0.1	<0.1
	Comp D	Soil	3.8	<0.1	<0.1	0.1	<0.1
	Comp E	Soil	9.5	0.1	0.2	3.0	0.4



LOCATION PLAN N.T.S.

⊕ MONITORING WELL
* SOIL SAMPLE LOCATION

MOBL 3/3 #10-LIX
15884 HESPERIAN BLVD.
SAN LORENZO, CALIF.

57

6

PARKING LOT

FORMER PUMP ISLANDS

FORMER STATION BUILDING

HESPERIAN BLVD.

PARKING LOT

#8

MW-5

?
MW-4

FORMER USED OIL TANK LOCATION

Sidewalk

FORMER UST FIELD

#5
#3
#103
#4

MW-2

#6

B-7

#1

#2

MW-7

?
MW-1

MW-3

Crosswalk



Approx. gw direction

POST OFFICE ST. (PRIVATE ROAD)

ACTIVE CHEVRON STATION

NORTH

LEGEND

- ⊕ MW-2 = MONITORING WELL
- B-7 = SOIL BORING
- ✕ MW-3 = MONITORING WELL DESTROYED
- ? MW-4 = MONITORING WELL LOCATION UNKNOWN
- * #2 = LOCATION AND I.D. OF SOIL SAMPLE COLLECTED DURING TANK EXCAVATION

0 50 100

APPROXIMATE SCALE IN FEET

HYDR-
ENVIRONMENTAL
TECHNOLOGIES, INC.

SITE PLAN
Former Mobil Service Station No. 10-L1X
15884 Hesperian Blvd.
San Lorenzo, California

Figure
3

8-019.2 3/96

DRILL RIG Hollow Stem		SURFACE ELEVATION -----		LOGGED BY JCW					
DEPTH TO GROUNDWATER As Noted		BORING DIAMETER 8"		DATE DRILLED 7/29/86					
DESCRIPTION AND CLASSIFICATION				DEPTH (FEET)	SAMPLER	UNCONFINED COMPRESSIVE STRENGTH (KSF)	WATER CONTENT (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FT.)
DESCRIPTION AND REMARKS	COLOR	CONSIST.	SOIL TYPE						
ASPHALT AND BASE ROCK									
SILTY SAND ; damp	dark brown	loose to medium dense	SM						
CLAYEY SAND; damp to moist Faint product odor	blue-gray	medium dense	SC						
Moist to wet		dense							
				EXPLORATORY BORING LOG					
				MOBIL OIL CORPORATION SAN LORENZO, CA					
				PROJECT NO.	DATE	BORING NO.			
				H182-22	8/86	MW-1			

DRILL RIG Hollow Stem	SURFACE ELEVATION -----	LOGGED BY JCW
DEPTH TO GROUNDWATER As Noted	BORING DIAMETER 8"	DATE DRILLED 7/29/86

DESCRIPTION AND CLASSIFICATION				DEPTH (FEET)	SAMPLER	UNCONFINED COMPRESSIVE STRENGTH (KSF)	WATER CONTENT (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FT.)
DESCRIPTION AND REMARKS	COLOR	CONSIST.	SOIL TYPE						
CLAYEY SAND (CONTD)	blue-gray	dense	SC						
SILTY CLAY; damp to dry	tan	very stiff	CL						
TOTAL DEPTH = 25.0 feet				25					

**MOBIL OIL CORPORATION
SAN LORENZO, CALIFORNIA**

MW-1

Well completed to 25.0 feet in depth with 2-inch Class 160 PVC casing, flush-threaded joints. Screen (.020-inch slot) set from 7.0 to 25.0 feet. 6 X 12 Monterey sand placed from 4.5 to 25.0 feet, bentonite pellets placed from 4.0 to 4.5 feet, and concrete seal placed from 0 to 4.0 feet.

EXPLORATORY BORING LOG		
MOBIL OIL CORPORATION SAN LORENZO, CA		
PROJECT NO.	DATE	BORING NO.
H182-22	8/86	MW-1

DRILL RIG Hollow Stem	SURFACE ELEVATION -----	LOGGED BY JCW
DEPTH TO GROUNDWATER As Noted	BORING DIAMETER 8"	DATE DRILLED 7/29/86

DESCRIPTION AND CLASSIFICATION				DEPTH (FEET)	SAMPLER	UNCONFINED COMPRESSIVE STRENGTH (KSF)	WATER CONTENT (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FT.)
DESCRIPTION AND REMARKS	COLOR	CONSIST	SOIL TYPE						
ASPHALT AND BASE ROCK									
SILTY SAND; damp	dark brown	loose to medium dense	SM	5					
CLAYEY SAND, grading to sandy clay; damp to moist No product odor	dark gray	medium dense	SC-CL	10					
Increasing sand at 13 feet		dense		15			▽ 		
				20					

EXPLORATORY BORING LOG

MOBIL OIL CORPORATION
SAN LORENZO, CA

PROJECT NO.	DATE	BORING NO.
H182-22	8/86	MW-2

DRILL RIG Hollow Stem		SURFACE ELEVATION -----		LOGGED BY JCW				
DEPTH TO GROUNDWATER As Noted		BORING DIAMETER 8"		DATE DRILLED 7/29/86				
DESCRIPTION AND CLASSIFICATION			DEPTH (FEET)	SAMPLER	UNCONFINED COMPRESSIVE STRENGTH (KSF)	WATER CONTENT (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FT.)
DESCRIPTION AND REMARKS	COLOR	CONSIST						
CLAYEY SAND (CONTD), grading to sandy clay			SC-CL					
SILTY CLAY; damp to dry	tan to brown	stiff to very stiff	CL					
TOTAL DEPTH = 25.0 feet			25					
<p>MOBIL OIL CORPORATION SAN LORENZO, CALIFORNIA</p> <p>MW-2</p> <p>Well completed to 25.0 feet in depth with 2-inch Class 160 PVC casing, flush-threaded joints. Screen (.020-inch slot) set from 7.0 to 25.0 feet. 6 X 12 Monterey sand placed from 5.0 to 25.0 feet, bentonite pellets placed from 4.5 to 5.0 feet, and concrete seal placed from 0 to 4.5 feet.</p>								
				EXPLORATORY BORING LOG				
				MOBIL OIL CORPORATION SAN LORENZO, CA				
PROJECT NO.		DATE		BORING NO.				
H182-22		8/86		MW-2				

DRILL RIG Hollow Stem	SURFACE ELEVATION -----	LOGGED BY JCW
DEPTH TO GROUNDWATER As Noted	BORING DIAMETER 8"	DATE DRILLED 7/29/86

DESCRIPTION AND CLASSIFICATION				DEPTH (FEET)	SAMPLER	UNCONFINED COMPRESSIVE STRENGTH (KSF)	WATER CONTENT (%)	DRY DENSITY (PCF)	PENETRATION RESISTANCE (BLOWS/FT.)
DESCRIPTION AND REMARKS	COLOR	CONSIST.	SOIL TYPE						
ASPHALT AND BASE ROCK									
SILTY SAND	dark gray	loose to medium dense	SM						
	brown			5					
SANDY CLAY No product odor	tan	stiff	CL						
Increasing sand; grading to clayey sand	dense	stiff-medium dense (sand)	CL-SC	10					
				15					
				20					

EXPLORATORY BORING LOG		
MOBIL OIL CORPORATION SAN LORENZO, CA		
PROJECT NO.	DATE	BORING NO.
H182-22	8/86	MW-3

SITE/LOCATION 15884 Hesperian Blvd, San Lorenzo, CA		BEGUN 1/27/92	BORING DIAMETER 10 inches	ANGLE/BEARING 90°	BORING NO B-6 (MW-6)
DRILLING CONTRACTOR Bayland Drilling		COMPLETED 1/27/92	FIRST ENCOUNTERED WATER DEPTH 18 feet		
OPERATOR Robert Rogers		LOGGED BY H. Hurkmans	STATIC WATER DEPTH/DATE 13 feet		
DRILL MAKE & MODEL CME 75		SAMPLING METHOD California Modified Split-Spoon (2.5" OD)			BOTTOM OF BORING 23 feet
WELL MATERIAL 4" SCH 40 PVC	SLOT SIZE 0.010"	FILTER PACK #2/16	WELL SEAL Neat cement over bentonite		WELL NO. MW-6

FIELD HEADSPACE *	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
	1					ASPHALT and BASEROCK
0.0 ppm	2					Gravelly SAND (SW); tan, loose, dry, well graded, medium grained, sub-angular to sub-rounded, 10-15% sub-rounded pebble gravel.
	3					
	4					
	5					
	6					
	7					
6.0 ppm	8					Silty CLAY (CL); dark brown, firm, damp, low plasticity, 10-15% silt, trace root holes (1-4 mm in diameter).
	9					
	10					
	11					
11 ppm	12					Silty CLAY (CL); olive green, stiff, damp, low plasticity, 10-15% silt.
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					At 20 feet; as above, tan, wet, trace fine pebble gravel.
	23					
	24					
	25					
	26					
	27					
	28					
	29					
	30					

* PD

HYDR ENVIR TECHNOLOGIES, INC.	SOIL BORING LOG B-6 AND WELL CONSTRUCTION MW-6	PLATE A-3
	Former Mobil Service Station No. 10-L1X 15884 Hesperian Boulevard San Lorenzo, California	JOB NO. 8-019
DATE:		
APPROVED BY: Frederick G. Moss, PE No. 35162		

SITE/LOCATION
 15884 Hesperian Blvd, San Lorenzo, CA

BEGUN
 1/28/92

BORING DIAMETER
 10 inches

ANGLE/BEARING
 90°

BORING NO
 B-7

DRILLING CONTRACTOR
 Bayland Drilling

COMPLETED
 1/28/92

FIRST ENCOUNTERED WATER DEPTH
 Not encountered

OPERATOR
 Robert Rogers

LOGGED BY
 H. Hurkmans

STATIC WATER DEPTH/DATE
 NA

DRILL MAKE & MODEL
 CME 75

SAMPLING METHOD
 California Modified Split-Spoon (2.5" OD)

WELL MATERIAL
 NA

SLOT SIZE
 NA

FILTER PACK
 NA

BORING SEAL
 Neat cement

BOTTOM OF BORING
 15 feet

WELL NO.
 NA

FIELD HEADSPACE *

DEPTH

SAMPLE

WATER LEVEL

WELL CONSTR.

GRAPHIC LOG

MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

14 ppm

183 ppm

110 ppm

No Well Installed

ASPHALT and BASEROCK

Gravelly CLAY (CL); brown, very stiff, damp, low plasticity, 10-15% fine pebble gravel, trace to 5% silt and fine grained sand.

GRAVEL (GP); brown, dense, damp, poorly graded, fine pebble gravel, rounded, 3-5% fines.

*PD

HYDR
ENVIR
TECHNOLOGIES, INC.

DATE:

APPROVED BY: Frederick G. Moss, PE No. 35162

SOIL BORING LOG B-7

Former Mobil Service Station No. 10-L1X
 15884 Hesperian Boulevard
 San Lorenzo, California

PLATE
 A-4

JOB NO.
 8-019

SITE/LOCATION 15884 Hesperian Blvd, San Lorenzo, CA		BEGUN 1/28/92	BORING DIAMETER 10 inches	ANGLE/BEARING 90°	BORING NO B-8 (MW-7)
DRILLING CONTRACTOR Bayland Drilling		COMPLETED 1/28/92	FIRST ENCOUNTERED WATER DEPTH 19 feet		
OPERATOR Robert Rogers		LOGGED BY H. Hurkmans	STATIC WATER DEPTH/DATE 13 feet		
DRILL MAKE & MODEL CME 75		SAMPLING METHOD California Modified Split-Spoon (2.5" OD)		BOTTOM OF BORING 23.5 feet	
WELL MATERIAL 4" SCH 40 PVC	SLOT SIZE 0.010"	FILTER PACK #2/12	WELL SEAL Neat cement over bentonite		WELL NO. MW-7

FIELD HEADSPACE *	DEPTH	SAMPLE	WATER LEVEL	WELL CONSTR.	GRAPHIC LOG	MATERIAL CLASSIFICATION & PHYSICAL DESCRIPTION
	1					
	2					
	3					ASPHALT and BASEROCK
	4					
0.0 ppm	5					
	6					Silty SAND (SM); light brown, loose, damp, moderately graded, fine grained, sub-rounded, 10-15% silt, trace fine pebble gravel, trace root fragments.
	7					
	8					
0.0 ppm	9					
	10					Silty CLAY (CL); dark brown, firm, damp, low plasticity, 10-15% silt, trace root holes (1-4 mm in diameter).
	11					
	12					
	13					
	14					
575 ppm	15					
	16					Silty CLAY (CL); olive green, stiff, damp, low plasticity, 10-15% silt, laminae of very fine sand (<1 mm).
	17					
	18					
	19					
	20					At 20 feet; as above, olive-tan, wet, trace fine pebble gravel.
	21					
	22					
	23					
	24					
	25					
	26					
	27					
	28					
	29					
* PD	30					

HYDR
ENVIR
TECHNOLOGIES, INC.

**SOIL BORING LOG B-8
AND
WELL CONSTRUCTION MW-7**

**PLATE
A-5**

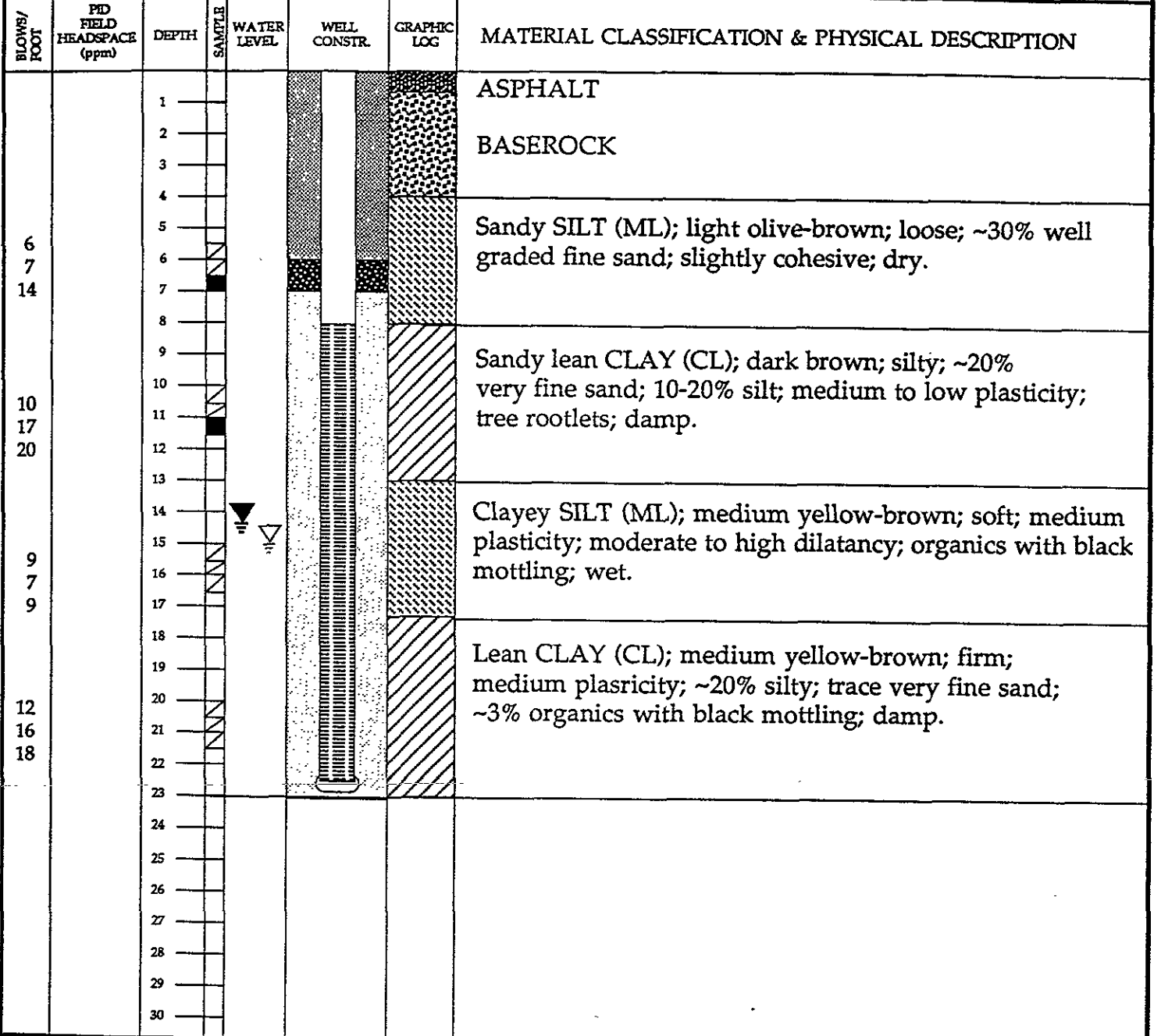
Former Mobil Service Station No. 10-L1X
15884 Hesperian Boulevard
San Lorenzo, California

**JOB NO.
8-019**

DATE:

APPROVED BY: Frederick G. Moss, PE No. 35162

SITE/LOCATION 15884 Hesperian Blvd, San Lorenzo		BEGUN 8/10/93	BORING DIAMETER 8 Inches	ANGLE/BEARING 90 Degrees	BORING NO MW-8
DRILLING CONTRACTOR West Hazmat Drilling		COMPLETED 8/10/93	FIRST ENCOUNTERED WATER DEPTH 15 Feet		BOTTOM OF BORING 23 Feet
OPERATOR Eugene Mier		LOGGED BY Ruary Allan	STATIC WATER DEPTH/DATE 14.5 Feet		WELL NO. MW-8
DRILL MAKE & MODEL CME 55		SAMPLING METHOD California modified split spoon sampler			BOTTOM OF WELL 23 Feet
WELL MATERIAL 2" SCH 40 PVC		SLOT SIZE 0.020"	FILTER PACK #3	WELL SEAL Neat cement	
				PLANNED USE Monitoring	



HYDR - ENVIRONMENTAL TECHNOLOGIES, INC.

SOIL BORING AND WELL CONSTRUCTION LOG MW-8

PLATE A-2
SHEET 1 OF 1

DATE: September 9, 1993
APPROVED BY: John Turney P.E.

Former Mobil S/S No. 10-L1X
15884 Hesperian Boulevard
San Lorenzo, California

JOB NO. 8-019

Table 2

GROUND WATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

Former Mobil Station No. 10-L1X

15884 Hesperian Boulevard

San Lorenzo, California

MW-No.	Date	TOC (feet)	DTW (feet)	GWE (feet)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-3	4/25/87	87.77	13.35	74.42	---	ND<50	ND<0.5	ND<0.5	---	ND<0.5
	9/2/87	87.77	---	---	---	ND<50	ND<0.5	ND<0.5	---	ND<0.5
	8/25/88	87.77	---	---	---	---	---	---	---	---
MW-4	8/18/86	87.82	---	---	---	ND<50	ND<0.5	ND<0.5	---	ND<0.5
	12/23/86	87.82	13.48	74.34	---	ND<50	ND<0.5	ND<0.5	---	ND<0.5
	4/25/87	87.82	13.09	74.73	---	ND<50	ND<0.5	ND<0.5	---	ND<0.5
	9/2/87	87.82	---	---	---	ND<50	ND<0.5	ND<0.5	---	ND<0.5
	8/25/88	87.82	---	---	---	---	---	---	---	---
MW-5	2/12/92	32.92	13.59	19.33	ND<50	0.3	ND<0.3	ND<0.3	ND<0.3	ND<0.3
	5/4/92	32.92	12.25	20.67	ND<50	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3
	8/20/92	32.92	14.62	18.30	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/27/92	32.92	15.14	17.78	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/24/93	32.92	10.57	22.35	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/19/93	32.92	11.66	21.26	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/19/93	32.92	13.01	19.91	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/19/93	32.92	13.69	19.23	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/18/94 (2)	32.92	11.10	21.82	---	---	---	---	---	---
	5/24/94	32.92	12.03	20.89	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/24/94	32.92	13.59	19.33	---	---	---	---	---	---
	2/17/95	32.92	10.87	22.05	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/1/95	32.92	12.06	20.86	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
MW-6	2/12/92	32.68	13.57	19.11	---	2,700	14	3.5	27	39
	5/4/92	32.68	12.23	20.45	---	ND<30	ND<0.3	ND<0.3	ND<0.3	ND<0.3
	8/20/92	32.68	14.64	18.04	---	ND<50	ND<0.5	ND<0.5	ND<0.5	3.8

Table 2

GROUND WATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

Former Mobil Station No. 10-L1X
15884 Hesperian Boulevard
San Lorenzo, California

MW-No.	Date	TOC (feet)	DTW (feet)	GWE (feet)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-6	11/27/92	32.68	15.14	17.54	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/24/93	32.68	10.62	22.06	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/19/93	32.68	11.66	21.02	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/19/93	32.68	13.06	19.62	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/19/93	32.68	13.73	18.95	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/18/94 (2)	32.68	11.20	21.48	---	---	---	---	---	---
	5/24/94	32.68	12.11	20.57	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/24/94	32.68	13.60	19.08	---	---	---	---	---	---
	2/17/95	32.68	10.85	21.83	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/1/95	32.68	12.05	20.63	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	MW-7	2/12/92	33.08	13.90	19.18	---	ND<30	ND<0.3	ND<0.3	ND<0.3
5/4/92		33.08	12.60	20.48	---	640	4.5	ND<0.6	11	14
8/20/92		33.08	14.96	18.12	---	220	1.2	ND<0.5	3.8	4.3
11/27/92		33.08	15.49	17.59	---	82	1.6	ND<0.5	4.3	3.6
2/24/93		33.08	10.97	22.11	---	82	1.5	ND<0.5	6.0	4.0
5/19/93		33.08	12.09	20.99	---	67	0.85	ND<0.5	6.4	3.8
8/19/93		33.08	13.48	19.60	---	88	1.7	ND<0.5	9.0	4.8
11/19/93		33.08	14.10	18.98	---	50	ND<0.5	ND<0.5	1.5	ND<0.5
2/18/94 (2)		33.08	11.55	21.53	---	61	1.2	ND<0.5	8.0	3.2
5/24/94		33.08	12.48	20.60	---	83	0.95	ND<0.5	10	4.0
8/24/94		33.08	13.98	19.10	---	77	0.57	ND<0.5	6.9	2.8
2/17/95	33.08	11.25	21.83	---	71	ND<0.5	ND<0.5	4.3	2.2	
8/1/95	33.08	12.46	20.62	NT	ND<50	ND<0.5	ND<0.5	2.6	1.5	
MW-8	8/19/93	31.31	12.21	19.10	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/19/93	31.31	12.84	18.47	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/18/94 (2)	31.31	10.41	20.90	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/24/94	31.31	11.21	20.10	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5

Table 2

GROUND WATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

Former Mobil Station No. 10-L1X
15884 Hesperian Boulevard
San Lorenzo, California

MW-No.	Date	TOC (feet)	DTW (feet)	GWE (feet)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-8	8/24/94	31.31	12.71	18.60	---	---	---	---	---	---
	2/17/95	31.31	9.94	21.37	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/1/95	31.31	11.15	20.16	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5

MW-No.	Date	TOG (mg/L)	HVO (µg/L)	SVO (µg/L)	PCB (µg/L)	Cd (mg/L)	Cr (mg/L)	Ni (mg/L)	Zn (mg/L)	O-Pb (mg/L)
MW-5	2/12/92	ND<1.0	ND<0.5-5.0	---	---	ND<0.010	ND<0.010	ND<0.050	ND<0.010	ND<0.050
	5/4/92	ND<1.0	ND<0.5-5.0	---	---	ND<0.010	ND<0.010	ND<0.050	ND<0.010	ND<0.050
	8/20/92	ND<1.0	ND<0.5-5.0	ND<2-10	ND<0.5-2.0	ND<0.010	ND<0.010	ND<0.050	0.012	ND<0.050

Notes:

- MW No. : Monitoring well number.
Date : Ground water sample collection date.
TOC : Elevation at the north side of the top of the well casing referenced to approximate mean sea level.
DTW : Depth to water.
GWE : Ground water elevation.
TPHd : Total petroleum hydrocarbons as diesel by EPA Method 8015 .
TPHg : Total petroleum hydrocarbons as gasoline by EPA Method 8015.
BTEX : Benzene, Toluene, Ethylbenzene and total Xylenes by EPA Method 8020.
TOG : Total oil and grease by EPA Method 413.2 (I.R.).
HVO : Halogenated volatile organics by EPA Method 8010.
SVO : Semi-volatile organics by EPA Method 8270 GC/MS.
PCB : Polychlorinated biphenyls by EPA Method 8080.

Table 2

GROUND WATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

Former Mobil Station No. 10-L1X
15884 Hesperian Boulevard
San Lorenzo, California

Notes (con't):

Cd, Cr,

Ni, Zn : Cadmium, chromium, nickel and zinc by EPA Method 6000.

O-Pb Organic lead by California LUFT Manual (revised).

µg/L : Micrograms per liter.

mg/L : Milligrams per liter.

--- Not measured, not analyzed or not known to HETI.

ND : Not detected in concentrations exceeding the indicated laboratory method detection limit.

(1) : Monitoring well MW-2 destroyed during tank excavation; well replaced on 8/8/88.

(2) : Wells gauged on 2/24/94.

Table 2

GROUND WATER ELEVATIONS AND SAMPLE ANALYTICAL RESULTS

Former Mobil Station No. 10-L1X
15884 Hesperian Boulevard
San Lorenzo, California

MW-No.	Date	TOC (feet)	DTW (feet)	GWE (feet)	TPHd (µg/L)	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW-1	8/18/86	87.60	---	---	---	ND<50	ND<1.0	ND<1.0	---	ND<1.0
	12/23/86	87.60	13.5	74.10	---	77	32	4.7	---	2.0
	4/25/87	87.60	13.1	74.50	---	ND<50	ND<1.0	ND<1.0	---	ND<1.0
	9/2/87	87.60	---	---	---	ND<50	ND<1.0	ND<1.0	---	ND<1.0
	8/25/88	87.60	---	---	---	---	---	---	---	---
MW-2	8/18/86	87.64	---	---	---	58,000	4,300	390	---	1,800
	12/23/86	87.64	12.92	74.72	---	4,100	970	96	---	750
	4/25/87	87.64	12.35	75.29	---	660	2.2	ND<1.0	---	9.2
	9/2/87	87.64	---	---	---	710,000	980	3,000	---	33,000
	8/25/88 (1)	87.64	14.70	72.94	---	2,300	63	3.3	ND<0.5	240
	11/1/88	87.64	15.29	72.35	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/12/92	31.81	12.74	19.07	---	190	4.4	ND<0.3	4.7	3.8
	5/4/92	31.81	11.36	20.45	---	480	9.1	1.4	4.4	2.3
	8/20/92	31.81	13.80	18.01	---	ND<50	0.99	ND<0.5	ND<0.5	ND<0.5
	11/27/92	31.81	14.30	17.51	---	56	3.2	ND<0.5	0.87	2.1
	2/24/93	31.81	9.73	22.08	---	330	14	ND<0.5	ND<0.5	ND<0.5
	5/19/93	31.81	11.82	19.99	---	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	8/19/93	31.81	12.27	19.54	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	11/19/93	31.81	12.91	18.90	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	2/18/94 (2)	31.81	10.30	21.51	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
	5/24/94	31.81	11.25	20.56	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5
8/24/94	31.81	12.77	19.04	---	---	---	---	---	---	
2/17/95	31.81	9.99	21.82	---	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	
8/1/95	31.81	11.20	20.61	---	NT	ND<50	ND<0.5	ND<0.5	ND<0.5	
MW-3	8/18/86	87.77	---	---	---	ND<50	ND<0.5	ND<0.5	---	ND<0.5
	12/23/86	87.77	13.75	74.02	---	ND<50	ND<0.5	ND<0.5	---	ND<0.5

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Former Mobil Service Station No. 10-L1X
15884 Hesperian Boulevard
San Lorenzo, CA

Sample No.	Sampling Depth	Sampling Date	W.O. (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
B-8-11'	11.0	1/28/92	---	---	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-8-16'	16.0	1/28/92	---	---	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005

Sample No.	Depth (feet)	Sampling Date	TOG (mg/kg)	HVO (µg/kg)	O-Pb (µg/kg)	Cd (µg/kg)	Cr (µg/kg)	Ni (µg/kg)	Zn (µg/kg)
B-5-5'	5.0	1/27/92	4.2	ND<0.005	ND<.050	ND<0.50	31	38	58
B-5-10'	10.0	1/27/92	4.8	ND<0.005	ND<.050	ND<0.50	43	43	58
B-5-15'	15.0	1/27/92	4.8	ND<0.005	ND<.050	0.53	29	36	48

Notes:

Sample No. : Sample designation.

Depth : Depth at which soil sample was collected.

Date : Date sample was collected.

W.O. : Waste oil using EPA Method 3510 (modified).

TPHd : Total petroleum hydrocarbons as gasoline using EPA Method 8015 (modified).

TPHg : Total petroleum hydrocarbons as gasoline using EPA Method 8015 (modified).

BTEX : Benzene, Toluene, Ethylbenzene and total Xylenes using EPA Method 8020 (modified).

mg/kg: Milligrams per kilogram.

ND : Not detected in concentrations exceeding the indicated laboratory method detection limit

TOG : Total oil and grease by EPA Method 413.2 (I.R.)

HVO : Halogenated volatile organics by EPA Method 8010

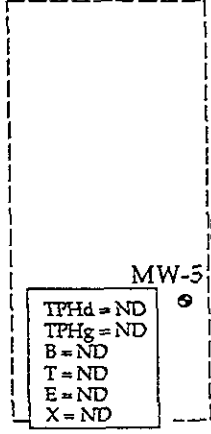
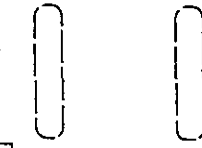
O-Pb : Organic lead by California LUFT Manual, 12/87

Cd, Cr,

Ni, Zn : Cadmium, Chromium, Nickel and Zinc by EPA Method 6000 series

7

HESPERIAN BLVD.



TPHg = ND
B = ND
T = ND
E = ND
X = ND

MW-6

#8
W.O. = 360

MW-5

TPHd = ND
TPHg = ND
B = ND
T = ND
E = ND
X = ND

#5

TPHg = 39

#3

TPHg = 1,100

#6

TPHg = 37

#103

TPHg = 7

MW-8

TPHg = ND
B = ND
T = ND
E = ND
X = ND

TPHg = ND
B = ND
T = ND
E = ND
X = ND

MW-2

B-7

TPHg = 210

MW-7

#1
TPHg = 75

#2

TPHg = 160

TPHg = ND
B = ND
T = ND
E = ND
X = ND

TPHg = ND
B = ND
T = ND
E = ND
X = ND

POST OFFICE ST. (PRIVATE ROAD)

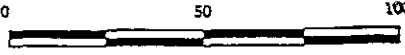
NORTH



LEGEND

TPHg = ND
B = ND
T = ND
E = ND
X = ND

= CONCENTRATIONS OF TOTAL PETROLEUM HYDROCARBONS AS DIESEL (TPHd), TOTAL PETROLEUM HYDROCARBONS AS GASOLINE (TPHg), BENZENE (B), TOLUENE (T), ETHYLBENZENE (E), TOTAL XYLENES (X) AND WASTE OIL (W.O.) IN SOIL SAMPLES COLLECTED DURING TANK EXCAVATION AND BORE-HOLE DRILLING - IN MG/KG.



APPROXIMATE SCALE IN FEET

HYDR - ENVIRONMENTAL TECHNOLOGIES, INC.

HYDROCARBON CONCENTRATION IN SOIL
Former Mobil Service Station No. 10-L1X
15884 Hesperian Blvd.
San Lorenzo, California

Figure 4
8-019.2 3/96

TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Former Mobil Service Station No. 10-L1X
 15884 Hesperian Boulevard
 San Lorenzo, CA

Sample No.	Sampling Depth	Sampling Date	W.O. (mg/kg)	TPHd (mg/kg)	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)
1	14.0	3/25/86	---	---	75	---	---	---	---
2	14.0	3/25/86	---	---	160	---	---	---	---
3	15.0	3/25/86	---	---	1,100	---	---	---	---
4	16.0	3/25/86	---	---	210	---	---	---	---
5	14.0	3/25/86	---	---	39	---	---	---	---
6	14.0	3/25/86	---	---	37	---	---	---	---
103	14.0	3/25/86	---	---	7.0	---	---	---	---
8	10.0	3/25/86	360	---	---	---	---	---	---
MW-2-5'	5.0	8/8/88	---	---	ND<1.0	ND<0.05	ND<0.1	ND<0.1	ND<0.1
MW-2-10'	10.0	8/8/88	---	---	ND<1.0	ND<0.05	ND<0.1	ND<0.1	ND<0.1
B-5-5'	5.0	1/27/92	---	ND<1.0	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-5-10'	10.0	1/27/92	---	ND<1.0	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-5-15'	15.0	1/27/92	---	ND<1.0	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-6-4.5'	4.5	1/27/92	---	---	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-6-9.5'	9.5	1/27/92	---	---	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-6-14.5'	14.5	1/27/92	---	---	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-7-6'	6.0	1/28/92	---	---	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-7-11'	11.0	1/28/92	---	---	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-8-6'	6.0	1/28/92	---	---	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.005