



Newlandex Corporation, dba

REMEDIAITON SERVICE, INT'L.

0.3

ENVIRONMENTAL

95 AUG 24 PM 1:43


QUARTERLY REPORT
of
JUNE 21, 1995
GROUNDWATER SAMPLING AND
WATER QUALITY MONITORING

[TPH] measured on Fig 2.

2008 First Street
Livermore, CA

Prepared for:
DESERT PETROLEUM, INC.
P.O. Box 1601
Oxnard, CA 93032
(805)644-6784

Prepared by:
REMEDIAITON SERVICE INT'L - RSI
2060 Knoll Drive, Suite 200
Ventura, CA 93003
(805)644-5892


Michael E. Mulhern
E.G. #1507
Exp. 10/31/96


Richard W. Pilat
Program Director, RSI

July 31, 1995

TABLE OF CONTENTS

	Page No.
1.0 INTRODUCTION	1
2.0 GROUNDWATER MONITORING	1
2.1 Groundwater Monitoring Procedures	1
2.2 Groundwater Monitoring Results	2
3.0 LIMITATIONS	
FIGURES	
1. Location Map	
2. Site Plan with Groundwater Flowpath and Analytical Results	
TABLES	
1. Groundwater Elevation Data	
2. Summary of Laboratory Analytical Results	
APPENDICES	
A. Groundwater Sample Log	
B. Laboratory Report and Chain of Custody	
C. Free Product Removal Logs	

1.0 INTRODUCTION

This report presents the results of quarterly groundwater monitoring for the real property located at 2008 First Street, Livermore, Alameda County, California (Figure 1). The site is currently occupied by a retail gasoline station operating under the British Petroleum trade name. Site improvements include three underground storage tanks, two pump islands and an office/garage building (Figure2).

A preliminary assessment in the former tank area conducted in February 1988 indicated that both soil and groundwater contained elevated concentrations of petroleum hydrocarbons. One groundwater monitoring well was installed in September 1988 and three additional wells were installed in June 1994.

Historic results of quarterly groundwater monitoring have demonstrated that hydrocarbons in the groundwater are present in all wells on site. During assessment and monitoring during March 1995 free product was discovered in well RS-2. After the discovery of the free product, interim corrective action consisting of weekly monitoring and removal was initiated. Within approximately one month levels were reduced to a sheen and the recent monitoring showed no evidence of free product.

During offsite subsurface investigation in March 1995, hydrocarbons were discovered in soil and groundwater to the west and south of the subject site.

2.0 GROUNDWATER MONITORING

2.1 Groundwater Monitoring Procedures

On June 21, 1995, groundwater monitoring wells MW-1, MW-2, MW-3 and MW-4 were monitored for water quality. Depth to water was measured to an accuracy of 0.01 feet and all wells were checked for the presence of free product. The measuring point for each well was the survey point at the top of the well casing on the north side. Purging was accomplished with a truck mounted positive rotary blower vacuum extraction unit utilizing dedicated stingers. Any purging or sampling equipment with the potential for cross contamination was triple rinsed between wells using TSP using a standard three stage decontamination method. Purging continued until temperature, electrical conductivity and pH stabilized or approximately three well volumes had been purged. These measurements, along with all other pertinent data, were recorded on Water Sample Logs (Appendix A). The purged water was placed in 55 gallon DOT drums which were sealed, labeled as pending laboratory analysis and stored on-site.

The wells were allowed to recharge to a minimum of 80 percent, then sampled using disposable polyethylene bailers. The samples were sealed, labeled and placed on ice for transportation under standard chain-of-custody to Onsite Environmental, a state certified laboratory in Fremont, California. All samples were analyzed to minimum detection limits for TPH as gasoline, MTBE, and benzene, toluene, ethyl benzene and total xylenes (BTEX) using standard EPA approved methods.

Laboratory Reports for Water Sample Analysis are included in Appendix B.

2.2 Groundwater Monitoring Results

Groundwater elevations are included in Appendix A. The groundwater flowpath was calculated to be in a northwesterly direction (Figure 2).

Analytical results for groundwater samples collected on June 21, 1995 are summarized in Table 2 and shown on Figure 4. The complete laboratory report is contained in Appendix B. State of California (Title 22 CCR) concentrations for drinking water standards are included in Table 2. TPH was detected in groundwater monitoring wells MW-1, MW-2 and MW-3 at concentrations ranging from 24 to 25 mg/L. No TPH was detected in MW-4. Benzene was detected in all four wells at concentrations from 3.3 to 2,300 ug/L. MTBE was detected in wells MW-1, MW-2 and MW-3 in concentrations from 1300 to 16,000 ug/L. Samples from MW-4 were non-detect for MTBE.

3.0 LIMITATIONS

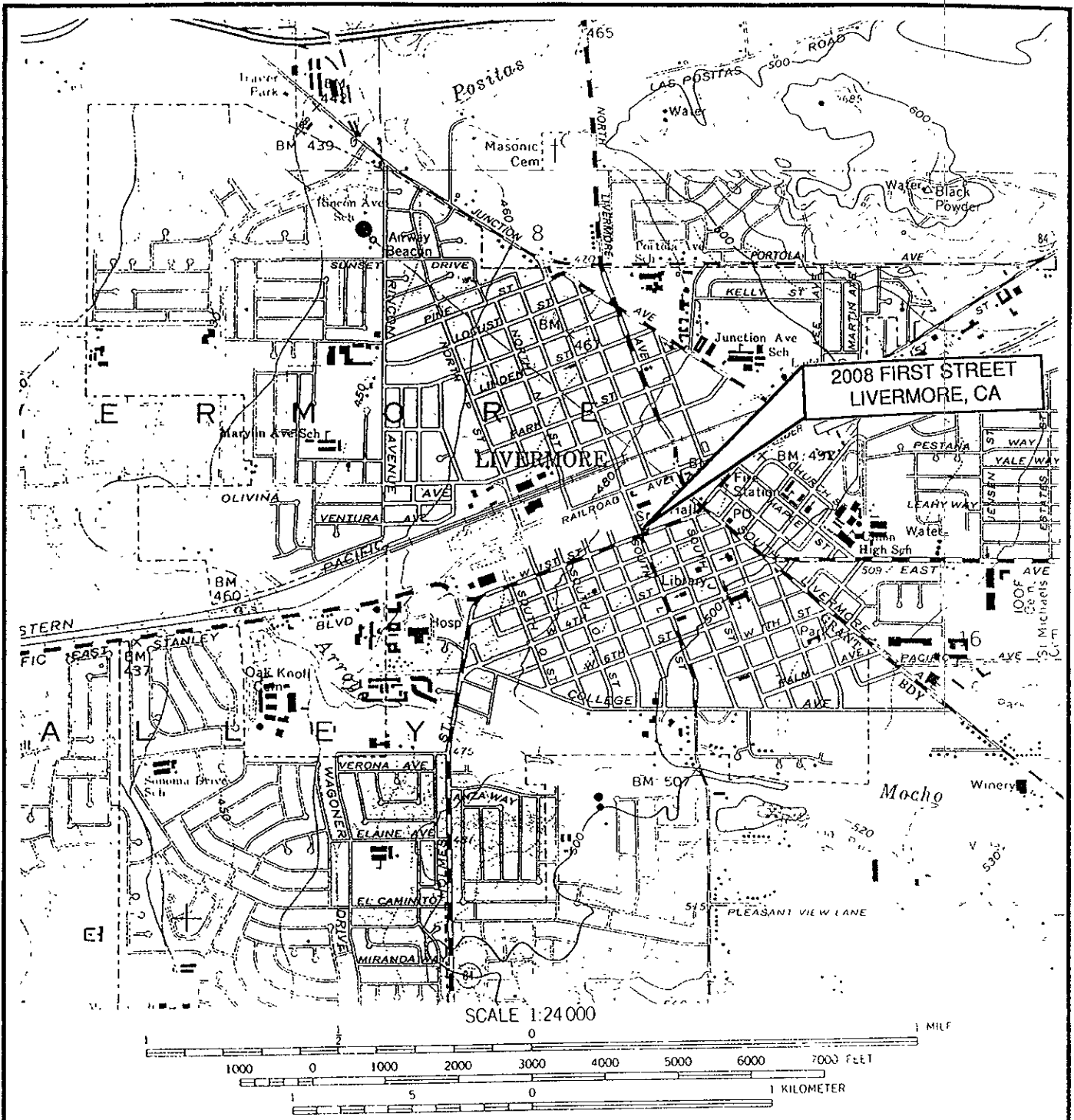
The discussion, conclusion and any recommendations presented in this report are based on the professional performance of the personnel who conducted the investigations, the observations of the field personnel, the results of laboratory analyses performed by a state certified laboratory, any referenced documents and our understanding of the regulations of the State of California and any other applicable local regulations.

Variations in the soil and groundwater conditions may exist beyond the points explored in this and previous investigations.

The services performed by Remediation Service Int'l have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the State of California.

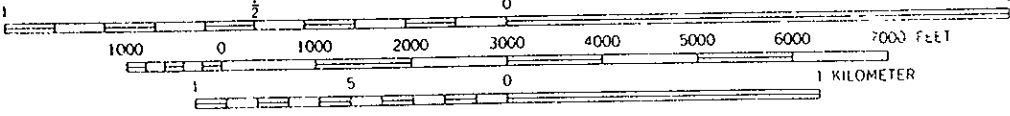
Please note that contamination of soil and/or groundwater must be reported to the appropriate agencies in a timely manner. No other warranty, expressed or implied, is made.

FIGURES



2008 FIRST STREET
LIVERMORE, CA

SCALE 1:24 000



CONTOUR INTERVAL 20 FEET
 DOTTED LINES REPRESENT 10 FOOT CONTOURS
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

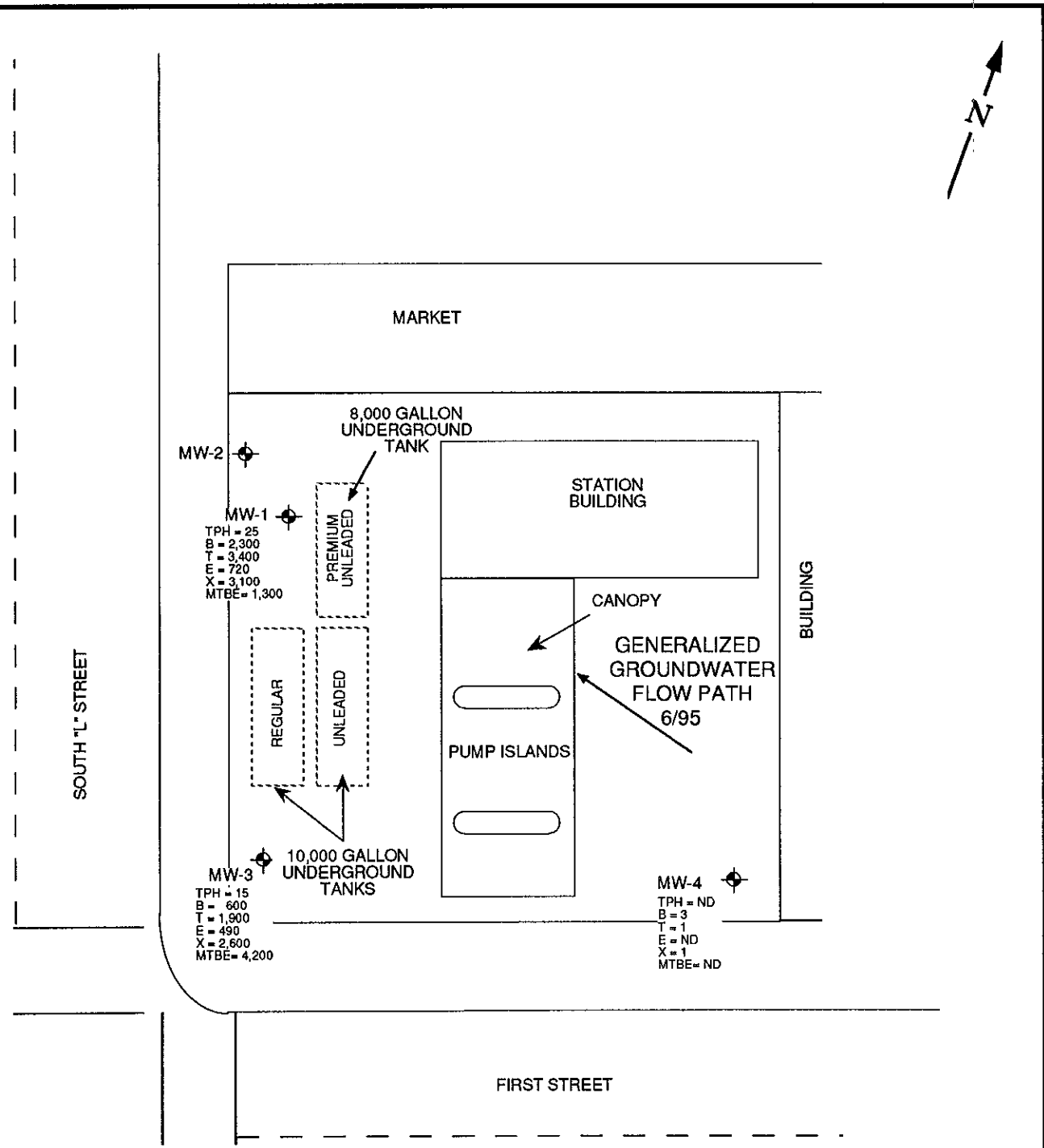
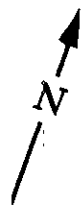
FROM U.S.G.S. 7.5' TOPOGRAPHIC
 QUADRANGLE "LIVERMORE,
 CALIFORNIA," 1961, PHOTOREVISED
 1980



2008 FIRST STREET,
 LIVERMORE, CA

FIGURE 1 LOCATION MAP

RSI - REMEDIATION SERVICE, INT'L



MW-2
 MW-1
 TPH = 25
 B = 2,300
 T = 3,400
 E = 720
 X = 3,100
 MTBE = 1,300

MW-3
 TPH = 15
 B = 600
 T = 1,900
 E = 490
 X = 2,600
 MTBE = 4,200

MW-4
 TPH = ND
 B = 3
 T = 1
 E = ND
 X = 1
 MTBE = ND

SOUTH "L" STREET

MARKET

STATION BUILDING

BUILDING

CANOPY
 GENERALIZED GROUNDWATER FLOW PATH 6/95

PUMP ISLANDS

8,000 GALLON UNDERGROUND TANK

PREMIUM UNLEADED

REGULAR

UNLEADED

10,000 GALLON UNDERGROUND TANKS

FIRST STREET

MAP NOT TO SCALE.
 SURVEYED DISTANCE BETWEEN WELLS, 1" = 25'

LEGEND

GROUNDWATER MONITORING WELL LOCATION

NOTE : TPH CONCENTRATIONS IN mg/L and BTEX CONCENTRATIONS IN µg/L

2008 FIRST STREET,
 LIVERMORE, CA 94550

FIGURE 2: PLOT PLAN WITH GROUNDWATER FLOWPATH AND GROUNDWATER ANALYTICAL RESULTS JUNE 21, 1995



TABLES

**TABLE 4
GROUNDWATER ELEVATION DATA**

**2008 FIRST STREET
LIVERMORE, CA**

Measurements are in feet.

Well	Date Measured	Depth to Free Product	Depth to Water	Free Product Thickness	Corrected Depth to Water Table **	Well Head Elevation*	Water Table Elevation*	Change in Elevation
MW-1	9/22/88	—	60.50	—	—	487.00	426.50	
	8/2/90	—	43.10	—	—	—	443.90	17.40
	10/10/91	—	66.39	—	—	—	420.61	-23.29
	1/8/92	—	68.72	—	—	—	418.28	-2.33
	5/11/93	—	34.76	—	—	—	452.24	33.96
	9/21/93	—	38.70	—	—	—	448.30	-3.94
	5/22/94	—	33.57	—	—	—	453.43	5.13
	6/19/94	—	37.51	—	—	484.07	446.56	—
	8/25/94	—	43.27	—	—	—	440.80	-5.76
	11/22/94	—	40.58	—	—	—	443.49	2.69
3/13/95	—	28.06	—	—	—	456.01	12.52	
6/21/95	—	22.10	—	—	—	461.92	5.91	
MW-2	6/19/94	—	38.15	—	—	483.86	445.71	—
	8/25/94	43.47	44.13	0.66	43.63	—	440.23	-5.48
	11/22/94	40.92	40.96	0.04	40.93	—	442.93	2.70
	3/9/95	28.47	29.28	0.81	28.67	—	455.19	12.26
	3/13/95	28.29	28.71	0.42	28.39	—	455.47	0.28
	6/21/95	—	22.81	—	—	—	461.05	5.58
MW-3	6/19/94	—	—	—	—	484.24	—	—
	8/25/94	—	42.31	—	—	—	441.93	—
	11/22/94	—	40.07	—	—	—	444.17	2.24
	3/13/95	—	27.94	—	—	—	456.30	12.13
	6/21/95	—	21.68	—	—	—	462.56	6.26
MW-4	6/19/94	—	37.49	—	—	485.04	447.55	—
	8/25/94	—	42.25	—	—	—	442.79	-4.76
	11/22/94	—	40.59	—	—	—	444.45	1.66
	3/13/95	—	28.00	—	—	—	457.04	12.59
	6/21/95	—	21.89	—	—	—	463.15	6.11

*Elevations are in feet above mean sea level.

Well Head Elevations to top of casing surveyed 6/94 to City of Livermore Bench Mark street monument located at the intersection of 1st. street and S. L street.
Bench Mark elevation = 483.82', based on USGS Sea Level Datum 1929.

**Corrected depth = Depth to water - (Free product thickness x Specific gravity of product).

**TABLE 2
SUMMARY OF LABORATORY ANALYSIS OF GROUNDWATER**

**2008 FIRST STREET
LIVERMORE, CA**

TPH & Total Lead Concentrations are in mg/L (parts per million)
BTEX Concentrations are in µg/L (parts per billion)

WELL #	DATE SAMPLED	TPH	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE
MW-1	8/2/90	24	1,300	1,300	400	2,700	NA
	10/10/91	2.2	430	170	100	290	NA
	1/8/92	1.2	200	120	30	150	NA
	5/11/93	0.96	66	8	41	90	NA
	9/21/93	1.9	311	118	33.8	112	NA
	5/22/94	10	690	1100	340	1200	NA
	8/26/94	13	290	690	120	670	NA
	11/22/94	19	400	770	230	1300	NA
	3/13/95	6	900	100	980	740	NA
6/21/95	2.4	210	380	53	280	1300	
MW-2	6/19/94	290	18,000	36,000	4,600	26,000	NA
	8/26/94	NS*	NS*	NS*	NS*	NS*	NA
	11/22/94	NS*	NS*	NS*	NS*	NS*	NA
	3/13/95	NS*	NS*	NS*	NS*	NS*	NA
	6/21/95	25	2300	3400	720	3100	16000
MW-3	6/19/94	11	640	580	270	790	NA
	8/26/94	41	1,600	2,300	330	1,800	NA
	11/22/94	18	8,000	10,000	900	5,000	NA
	3/13/95	44	1,600	1,300	5,000	6,600	NA
	6/21/95	15	600	1,900	490	2,600	4200
MW-4	6/19/94	0.81	12	25	ND	22	NA
	8/26/94	0.85	37	51	9.5	35	NA
	11/22/94	1.7	110	110	5.8	58	NA
	3/13/95	1.3	180	8	52	77	NA
	6/21/95	ND	3	1	ND	1	ND
Title 22 CCR MCL			1	150	700	1,750	

TPH = Total petroleum hydrocarbons (gasoline)
 NA = Not analyzed for this constituent.
 ND = Not detected at or above minimum detection limit.
 NS* = Not sampled due to the presence of free product.

APPENDICES

**APPENDIX A
WATER SAMPLE LOGS**

WATER SAMPLE LOG

DATE: 6/21/95

PROJECT LOCATION: 2008 First St., Livermore, CA

WELL NUMBER: MW-1

WEATHER CONDITIONS: Hot, sunny

FIELD OBSERVATIONS: Replaced rusty locks

TOTAL DEPTH OF WELL: 60.00 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE PURGING METHOD: vacuum

DEPTH TO WATER: 22.16 feet

DEPTHS MEASURED FROM: Top of well casing, north side.

WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in F.	Specific Conductance (μ mhos/cm)	Comments
1:10	5.0	8.01	68.8	1.09	Cloudy, grayish color
1:15	10.0	8.60	68.8	1.10	clear
1:20	20.0	8.58	68.7	1.11	slt product odor, slt brown
1:22	40.0	8.55	68.6	1.08	slight product odor
1:25	55.0	8.57	67.9	1.07	slight brown, cloudy

TOTAL DISCHARGE: 55.0 gallons

TIME SAMPLE COLLECTED: 1:20 PM

DEPTH TO WATER AT TIME OF SAMPLE: 21.90 feet

METHOD OF SAMPLE COLLECTION: Disposable bailer

APPEARANCE OF SAMPLE: Clear, strong product odor present.

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 3 x 40 ml. VOAs

SAMPLE TRANSPORTED TO: Onsite Environmental, Fremont, CA

SAMPLED BY: R. Pilat

DCI
REMEDIAL SERVICE, INT'L.
2060 KNOLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5892 • FAX (805) 654-0720

WATER SAMPLE LOG

DATE: 6/21/95

PROJECT LOCATION: 2008 First St., Livermore, CA

WELL NUMBER: MW -2

WEATHER CONDITIONS: Hot, sunny

FIELD OBSERVATIONS: Pre purge, no free product, no odor, no sheen

TOTAL DEPTH OF WELL: 60.00 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE PURGING METHOD: vacuum

DEPTH TO WATER: 22.81 feet

DEPTHS MEASURED FROM: Top of well casing, north side.

WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in F.	Specific Conductance (μ hos/cm)	Comments
12:30	5.0	8.81	68.9	1.11	Slt product odor, slt grayish brown
12:34	10.0	8.64	68.9	1.07	Slt product odor, slt grayish brown
12:37	20.0	8.55	68.8	1.07	Fibrous orange material (rust)
12:40	30.0	8.51	68.9	1.05	Orange dissolved
12:43	40.0	8.54	68.9	1.06	Slt product odor, fibrous orange
12:47	50.0	8.53	68.9	1.07	material (rust)
12:50	70.0	8.60	68.9	1.08	

TOTAL DISCHARGE: 70.0 gallons

TIME SAMPLE COLLECTED: 1:50 PM

DEPTH TO WATER AT TIME OF SAMPLE: 22.99 feet

METHOD OF SAMPLE COLLECTION: disposable bailer

APPEARANCE OF SAMPLE: Clear, strong product odor present.

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 3 x 40 ml. VOAs

SAMPLE TRANSPORTED TO: Onsite Environmental, Fremont, CA

SAMPLED BY: R. Pilat

RSI
REMEDATION SERVICE, INT'L.
2060 KNOLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5892 • FAX (805) 654-0720

WATER SAMPLE LOG

DATE: 6/21/95

PROJECT LOCATION: 2008 First St., Livermore, CA

WELL NUMBER: MW-3

WEATHER CONDITIONS: Hot, sunny

FIELD OBSERVATIONS: Replaced rusty locks

TOTAL DEPTH OF WELL: 60.00 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE PURGING METHOD: vacuum

DEPTH TO WATER: 21.68 feet

DEPTHS MEASURED FROM: Top of well casing, north side.

WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in F.	Specific Conductance (μ mhos/cm)	Comments
11:40	5.0	8.11	79.0	1.04	Clear, grayish
11:43	10.0	8.17	77.5	1.02	Slight product odor
11:47	20.0	8.29	76.2	1.08	Slight product odor, slt brown color
11:50	40.0	8.35	78.0	0.08	Slight product odor, slt brown color
11:54	50.0	8.37	81/82	0.08	Heat from the sun may cause error

TOTAL DISCHARGE: 55.0 gallons

TIME SAMPLE COLLECTED: 1:40 PM

DEPTH TO WATER AT TIME OF SAMPLE: 22.01 feet

METHOD OF SAMPLE COLLECTION: Disposable bailer

APPEARANCE OF SAMPLE: Clear, strong product odor present.

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 3 x 40 ml. VOAs

SAMPLE TRANSPORTED TO: Onsite Environmental, Fremont, CA

SAMPLED BY: R. Pilat

DCI
REMEDIAL SERVICE, INT'L.
2060 KNOLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5892 • FAX (805) 654-0720

WATER SAMPLE LOG

DATE: 6/21/95

PROJECT LOCATION: 2008 First St., Livermore, CA

WELL NUMBER: MW-4

WEATHER CONDITIONS: Hot, Sunny

FIELD OBSERVATIONS: replaced broken locks

TOTAL DEPTH OF WELL: 60.00 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: NONE PURGING METHOD: vacuum

DEPTH TO WATER: 21.68 feet

DEPTHS MEASURED FROM: Top of well casing, north side.

WELL PURGING DATA

Time	Discharge (gallons)	pH	Temp in F.	Specific Conductance (μ mhos/cm)	Comments
11:20	10.0	6.84	82.2	1.17	Cloudy, grayish color
11:25	20.0	7.31	78.8	1.09	Cloudy, grayish color
11:28	30.0	7.60	76.8	1.05	Slight brown
11:31	40.0	7.73	75.1	1.05	Slight brown
11:35	55.0	7.74	74.8	1.05	Slight brown, cloudy

TOTAL DISCHARGE: 55.0 gallons

TIME SAMPLE COLLECTED: 1:20 PM

DEPTH TO WATER AT TIME OF SAMPLE: 21.90 feet

METHOD OF SAMPLE COLLECTION: Disposable bailer

APPEARANCE OF SAMPLE: Clear, strong product odor present.

AMOUNT AND SIZE OF SAMPLE CONTAINERS: 3 x 40 ml. VOAs

SAMPLE TRANSPORTED TO: Onsite Environmental, Fremont, CA

SAMPLED BY: R. Pilat

RSI
REMEDATION SERVICE, INT'L.
2060 KNOLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5892 • FAX (805) 654-0720

APPENDIX B
LABORATORY REPORT
AND
CHAIN OF CUSTODY



4765 Calle Quetzal • Camarillo, CA 93012 • (805) 389-1353 FAX (805) 389-1438
 7726 Moller Rd. • Indianapolis, IN 46268 • (317) 875-5894 FAX (317) 872-6189
 2059 Junction Ave. • San Jose, CA 95131 • (408) 955-9077 FAX (408) 955-9078
 141 Suburban Road • San Luis Obispo, CA 93401 • (805) 547-3888 FAX (805) 543-2685
 2400 Cumberland Dr. • Valparaiso, IN 46383 • (219) 464-2389 FAX (219) 462-2953
 340 County Road No. 5 • Westbrook, ME 04092 • (207) 874-2400 FAX (207) 775-4029

Chain of Custody

• PLEASE PRINT IN PEN

Client <u>DP</u>	Contact	Phone # ()	FAX # ()
Address <u>2008 1ST ST</u>		City <u>LIVERMORE</u>	State _____ Zip _____
Project Name/Number <u>795</u>		Project MGR <u>PILAT</u>	
Bill (If different than above) _____		Address _____	
Sampler (Print and sign) <u>PILAT</u>		Due Date _____	Circle for RUSH* _____ Copies To: _____ Auth. Init. _____

Sample Description	Date/Time Coll'd	# of *Matrix Containers	Pres.	Filt. y/n	* Subject to Availability Analysis	Remarks	Lab ID #
MW 4	1:30 P <u>6/21/95</u>	GW 3X <u>NOA</u>	NOA		TPH GAS BTEX MTBE	COOLER	BLW ICE
MW 3	1:40 P "	"	"		" " " "		
MW 2	1:50 P "	"	"		" " " "		
MW 1	2:00 P "	"	"		" " " "		
						REFRESHED w/ WET ICE 4:00 PM 6/21	
						" "	" "
						6/22 9:00 A	

Relinquished By <u>RWR</u>	Date/Time <u>6/22/95</u>	Received By <u>[Signature]</u>	Relinquished By	Date/Time	Received By

FOR LAB USE ONLY

Shipping Method	Shipping #	Received By	Date/Time	Condition (See Remarks)			* Matrix: DW - Drinking Water WW - Wastewater GW - Groundwater SW - Surface Water IM - Impinger FI - Filter FP - Free Product A/G - Air/Gas SL - Sludge/Soil/Solid OT - Other
				Cold	Sealed	Intact	
REMARKS _____							

FREE PRODUCT REMOVAL LOG

PROJECT: LIVERMORE D.P.H. 795

DATE: 1-5-95
TIME: 1500

WELL NUMBER: M.W. # 2

WEATHER CONDITIONS: RAIN

FIELD OBSERVATIONS: _____

TOTAL DEPTH OF WELL: _____ feet CASING DIAMETER: 4 inches
DEPTH TO FREE PRODUCT: 38.09 FREE PRODUCT THICKNESS: ~~5.0~~ .04 feet
DEPTH TO WATER: 38.13 feet PURGING METHOD: Vacuum Bail
DEPTHS MEASURED FROM: _____ Top of well casing, north side.

WELL PURGING DATA

ESTIMATED CONSTITUENT:

- FRESH GASOLINE
- FRESH DIESEL
- FRESH OIL
- DEGRADED GASOLINE
- DEGRADED DIESEL
- DEGRADED OIL

APPEARANCE:

- CLEAR
- AMBER
- BROWN
- GREY
- D. BROWN
- BLACK

- SHEEN
- THIN
- THICK

ODOR:

- GASOLINE ODOR
- DIESEL ODOR
- CHLORINATED SOLVENT ODOR
- OTHER: _____

TOTAL FREE PRODUCT & GROUNDWATER REMOVED: 15 gallons

FREE PRODUCT REMOVED BY: Phil Q. A.E.S.

RCL
TYPI REMEDIATION SERVICE INT'L
2080 KROLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5892 • FAX (805) 654-0720

FREE PRODUCT REMOVAL LOG

PROJECT: Livermore -

DATE: 1-20-95
TIME: 17:30

WELL NUMBER: 11 11 2

WEATHER CONDITIONS: RAIN
FIELD OBSERVATIONS: _____

TOTAL DEPTH OF WELL: ~~30~~ 32.93 feet CASING DIAMETER: 11 inches
DEPTH TO FREE PRODUCT: ~~32.93~~ 0 FREE PRODUCT THICKNESS: _____ feet
DEPTH TO WATER: 32.93 feet PURGING METHOD: Bail Vacuum
DEPTHS MEASURED FROM: Top of well casing, north side.

WELL PURGING DATA

ESTIMATED CONSTITUENT:	APPEARANCE:	ODOR:
<input type="checkbox"/> FRESH GASOLINE	<input type="checkbox"/> CLEAR	<input checked="" type="checkbox"/> GASOLINE ODOR
<input type="checkbox"/> FRESH DIESEL	<input type="checkbox"/> AMBER	<input type="checkbox"/> DIESEL ODOR
<input type="checkbox"/> FRESH OIL	<input type="checkbox"/> BROWN	<input type="checkbox"/> CHLORINATED SOLVENT ODOR
<input type="checkbox"/> DEGRADED GASOLINE	<input type="checkbox"/> GREY	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> DEGRADED DIESEL	<input type="checkbox"/> D. BROWN	
<input type="checkbox"/> DEGRADED OIL	<input type="checkbox"/> BLACK	
	<input checked="" type="checkbox"/> SHEEN	
	<input type="checkbox"/> THIN	
	<input type="checkbox"/> THICK	

TOTAL FREE PRODUCT & GROUNDWATER REMOVED: 1.5 gallons

FREE PRODUCT REMOVED BY: _____

RCL
TYPI REMEDIATION SERVICE, INT'L.

2060 KNOLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5892 • FAX (805) 654-0720

FREE PRODUCT REMOVAL LOG

PROJECT: D.P. 7-25
ESP LIVERMORE, CA.

DATE: 2-2-95
 TIME: 1400

WELL NUMBER: _____

WEATHER CONDITIONS: CLEAR WARM

FIELD OBSERVATIONS: _____

TOTAL DEPTH OF WELL: 57.0 feet CASING DIAMETER: 4 inches
 DEPTH TO FREE PRODUCT: 31.02 FREE PRODUCT THICKNESS: _____ feet
 DEPTH TO WATER: 31.02 feet PURGING METHOD: Accune Bail
 DEPTHS MEASURED FROM: _____ Top of well casing, north side.

WELL PURGING DATA

ESTIMATED CONSTITUENT:

- FRESH GASOLINE
- FRESH DIESEL
- FRESH OIL
- DEGRADED GASOLINE
- DEGRADED DIESEL
- DEGRADED OIL

APPEARANCE:

- CLEAR
- AMBER
- BROWN
- GREY
- D. BROWN
- BLACK
- SHEEN
- THIN VERY THIN
- THICK

ODOR:

- GASOLINE ODOR
- DIESEL ODOR
- CHLORINATED SOLVENT ODOR
- OTHER: _____

TOTAL FREE PRODUCT & GROUNDWATER REMOVED: 15 gallons

FREE PRODUCT REMOVED BY: [Signature]

BCL
TYPI REMEDIATION SERVICE, INT'L.
 2080 KNOLL DR., SUITE 200, VENTURA, CA 93003
 (805) 644-5882 • FAX (805) 654-0720

FREE PRODUCT REMOVAL LOG

PROJECT: DP 795
2008 1st ST.
LIVERMORE

DATE: 2-15-95
TIME: 1600

WELL NUMBER: _____

WEATHER CONDITIONS: CLEAR & WARM
FIELD OBSERVATIONS: _____

TOTAL DEPTH OF WELL: _____ feet CASING DIAMETER: 4 inches
DEPTH TO FREE PRODUCT: 30.26 FREE PRODUCT THICKNESS: _____ feet
DEPTH TO WATER: 30.26 feet PURGING METHOD: Accum Bail
DEPTHS MEASURED FROM: _____ Top of well casing, north side.

WELL PURGING DATA

ESTIMATED CONSTITUENT:	APPEARANCE:	ODOR:
<input type="checkbox"/> FRESH GASOLINE	<input type="checkbox"/> CLEAR	<input type="checkbox"/> GASOLINE ODOR
<input type="checkbox"/> FRESH DIESEL	<input type="checkbox"/> AMBER	<input type="checkbox"/> DIESEL ODOR
<input type="checkbox"/> FRESH OIL	<input type="checkbox"/> BROWN	<input type="checkbox"/> CHLORINATED
<input type="checkbox"/> DEGRADED GASOLINE	<input type="checkbox"/> GREY	<input type="checkbox"/> SOLVENT ODOR
<input type="checkbox"/> DEGRADED DIESEL	<input type="checkbox"/> D. BROWN	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> DEGRADED OIL	<input type="checkbox"/> BLACK	
	<input checked="" type="checkbox"/> SHEEN	
	<input checked="" type="checkbox"/> THIN	
	<input type="checkbox"/> THICK	

TOTAL FREE PRODUCT & GROUNDWATER REMOVED: 10 gallons

FREE PRODUCT REMOVED BY: JHC

RCL
TYPI REMEDIATION SERVICE, INT'L
2080 KNOLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5892 • FAX (805) 654-0720

FREE PRODUCT REMOVAL LOG

PROJECT: Desert Potholes
2008 1st St.
Livermore
DATE:
TIME:
WELL NUMBER: #2

WEATHER CONDITIONS: cloudy - RAIN
FIELD OBSERVATIONS: _____

TOTAL DEPTH OF WELL: 57 feet CASING DIAMETER: 4 inches
DEPTH TO FREE PRODUCT: 27.11 FREE PRODUCT THICKNESS: _____ feet
DEPTH TO WATER: 27.11 feet PURGING METHOD: Vacuum Bail
DEPTHS MEASURED FROM: _____ Top of well casing, north side.

WELL PURGING DATA

ESTIMATED CONSTITUENT:	APPEARANCE:	ODOR:
<input checked="" type="checkbox"/> FRESH GASOLINE	<input checked="" type="checkbox"/> CLEAR	<input checked="" type="checkbox"/> GASOLINE ODOR
<input type="checkbox"/> FRESH DIESEL	<input type="checkbox"/> AMBER	<input type="checkbox"/> DIESEL ODOR
<input type="checkbox"/> FRESH OIL	<input type="checkbox"/> BROWN	<input type="checkbox"/> CHLORINATED
<input type="checkbox"/> DEGRADED GASOLINE	<input type="checkbox"/> GREY	<input type="checkbox"/> SOLVENT ODOR
<input type="checkbox"/> DEGRADED DIESEL	<input type="checkbox"/> D. BROWN	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> DEGRADED OIL	<input type="checkbox"/> BLACK	
	<input checked="" type="checkbox"/> SHEEN	
	<input checked="" type="checkbox"/> THIN	
	<input type="checkbox"/> THICK	

TOTAL FREE PRODUCT & GROUNDWATER REMOVED: 10 gallons

FREE PRODUCT REMOVED BY:

RCL
TYPI REMEDIATION SERVICE, INT'L
2080 KNOLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5892 • FAX (805) 654-0720

5510

FREE PRODUCT REMOVAL LOG

PROJECT: D.P. # 795
2008 FIRST ST,
LIVERMORE, CA,

DATE: 4-5-95
TIME: 1345

WELL NUMBER: 2

WEATHER CONDITIONS: WARM - SUNNY

FIELD OBSERVATIONS: _____

TOTAL DEPTH OF WELL: 57 feet CASING DIAMETER: 4 inches

DEPTH TO FREE PRODUCT: 23.92 FREE PRODUCT THICKNESS: Sheen feet

DEPTH TO WATER: 23.92 feet PURGING METHOD: Surge/Bail

DEPTHS MEASURED FROM: Top of well casing, north side.

WELL PURGING DATA

ESTIMATED CONSTITUENT:

- FRESH GASOLINE
- FRESH DIESEL
- FRESH OIL
- DEGRADED GASOLINE
- DEGRADED DIESEL
- DEGRADED OIL

APPEARANCE:

- CLEAR
- AMBER
- BROWN
- GREY
- D. BROWN
- BLACK

- SHEEN
- THIN
- THICK

ODOR:

- GASOLINE ODOR
- DIESEL ODOR
- CHLORINATED SOLVENT ODOR
- OTHER: _____

TOTAL FREE PRODUCT & GROUNDWATER REMOVED: 15 gallons

FREE PRODUCT REMOVED BY: _____

RCL
REMEDIATION SERVICE INT'L
 2080 KNOLL DR., SUITE 200, VENTURA, CA 93003
 (805) 844-5892 • FAX (805) 654-0720

FREE PRODUCT REMOVAL LOG

PROJECT: D.P. # 795 -
2008 FIRST ST.
Livermore

DATE: 4-21-95
TIME: 1315

WELL NUMBER: # 2

WEATHER CONDITIONS: SUNNY - WARM

FIELD OBSERVATIONS: _____

TOTAL DEPTH OF WELL: 57 feet CASING DIAMETER: 4 1/2 inches
DEPTH TO FREE PRODUCT: _____ FREE PRODUCT THICKNESS: _____ feet
DEPTH TO WATER: _____ feet PURGING METHOD: _____ Bail
DEPTHS MEASURED FROM: _____ Top of well casing, north side.

WELL PURGING DATA

ESTIMATED CONSTITUENT:

- FRESH GASOLINE
- FRESH DIESEL
- FRESH OIL
- DEGRADED GASOLINE
- DEGRADED DIESEL
- DEGRADED OIL

APPEARANCE:

- CLEAR
- AMBER
- BROWN
- GREY
- D. BROWN
- BLACK

- SHEEN
- THIN
- THICK

ODOR:

- GASOLINE ODOR
- DIESEL ODOR
- CHLORINATED SOLVENT ODOR
- OTHER: _____

TOTAL FREE PRODUCT & GROUNDWATER REMOVED: _____ gallons

WAS NOT ALLOWED TO DO SITE, HAD NOT CALLED PRIOR TO ARRIVAL?

FREE PRODUCT REMOVED BY: Phil Schrage

RCL
REMEDIATION SERVICE INT'L

2080 KNOLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5892 • FAX (805) 654-0720

FREE PRODUCT REMOVAL LOG

PROJECT: D.P. # 795 - LIVERMORE. DATE: 5-4-95
TIME: 14:00

WELL NUMBER: # 2

WEATHER CONDITIONS: CLEAR COOL WINDY
FIELD OBSERVATIONS: -

TOTAL DEPTH OF WELL: 57' feet CASING DIAMETER: 4" inches
DEPTH TO FREE PRODUCT: 23.03 FREE PRODUCT THICKNESS: SHEEN feet
DEPTH TO WATER: 23.03 feet PURGING METHOD: VACUUM
DEPTHS MEASURED FROM: Top of well casing, north side.

WELL PURGING DATA

ESTIMATED CONSTITUENT:	APPEARANCE:	ODOR:
<input type="checkbox"/> FRESH GASOLINE	<input type="checkbox"/> CLEAR	<input checked="" type="checkbox"/> GASOLINE ODOR
<input type="checkbox"/> FRESH DIESEL	<input type="checkbox"/> AMBER	<input type="checkbox"/> DIESEL ODOR
<input type="checkbox"/> FRESH OIL	<input type="checkbox"/> BROWN	<input type="checkbox"/> CHLORINATED SOLVENT ODOR
<input type="checkbox"/> DEGRADED GASOLINE	<input type="checkbox"/> GREY	<input type="checkbox"/> OTHER:
<input type="checkbox"/> DEGRADED DIESEL	<input type="checkbox"/> D. BROWN	
<input type="checkbox"/> DEGRADED OIL	<input type="checkbox"/> BLACK	
<input checked="" type="checkbox"/> GASOLINE	<input checked="" type="checkbox"/> SHEEN	
	<input type="checkbox"/> THIN	
	<input type="checkbox"/> THICK	

TOTAL FREE PRODUCT & GROUNDWATER REMOVED: 10 gallons

DELIVERED 1 - 55 GAL DRUM TO JOB SITE.

FREE PRODUCT REMOVED BY: PHILL

WRITTEN UP BY WALTER FROM PHILL'S
FIELD NOTES.

RCL
REMEDIATION SERVICE INT'L
2080 KNOLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5882 • FAX (805) 654-0720

FREE PRODUCT REMOVAL LOG

PROJECT: D.P. # 795 LIVERMOLL DATE: 5-19-95
TIME: 9:14:30

WELL NUMBER: #2

WEATHER CONDITIONS: SUNNY WARM
FIELD OBSERVATIONS: ACCESS ALLOWED AS PER TELCOM
ON 5-19-95 @ 9:30 AM TO STATE

TOTAL DEPTH OF WELL: 57' feet CASING DIAMETER: 4" inches
DEPTH TO FREE PRODUCT: 22.57 feet FREE PRODUCT THICKNESS: SHEEN feet
DEPTH TO WATER: 22.57 feet PURGING METHOD: VACUUM Bail
DEPTHS MEASURED FROM: Top of well casing, north side.

WELL PURGING DATA

ESTIMATED CONSTITUENT:

- FRESH GASOLINE
- FRESH DIESEL
- FRESH OIL
- DEGRADED GASOLINE
- DEGRADED DIESEL
- DEGRADED OIL

Gasoline

APPEARANCE:

- CLEAR
- AMBER
- BROWN
- GREY
- D. BROWN
- BLACK

- SHEEN
- THIN
- THICK

ODOR:

- GASOLINE ODOR
- DIESEL ODOR
- CHLORINATED SOLVENT ODOR
- OTHER:

TOTAL FREE PRODUCT & GROUNDWATER REMOVED: 15 gallons

FREE PRODUCT REMOVED BY: WATER

RCL
REMEDIATION SERVICE, INT'L
2060 KNOLL DR., SUITE 200, VENTURA, CA 93003
(805) 644-5882 • FAX (805) 654-0720

FREE PRODUCT REMOVAL LOG

PROJECT: 22-07-1100
22-07-1100
1-11-1100

WELL NUMBER: # 22

DATE: JUNE 95
 TIME: 1:00

WEATHER CONDITIONS: cloudy - RAIN
 FIELD OBSERVATIONS: _____

TOTAL DEPTH OF WELL: 57 feet CASING DIAMETER: 4 inches
 DEPTH TO FREE PRODUCT: 57.1 FREE PRODUCT THICKNESS: _____ feet
 DEPTH TO WATER: 57.11 feet PURGING METHOD: Ball
 DEPTHS MEASURED FROM: Top of well casing, north side.

WELL PURGING DATA		
ESTIMATED CONSTITUENT:	APPEARANCE:	ODOR:
<input checked="" type="checkbox"/> FRESH GASOLINE	<input checked="" type="checkbox"/> CLEAR	<input checked="" type="checkbox"/> GASOLINE ODOR
<input type="checkbox"/> FRESH DIESEL	<input type="checkbox"/> AMBER	<input type="checkbox"/> DIESEL ODOR
<input type="checkbox"/> FRESH OIL	<input type="checkbox"/> BROWN	<input type="checkbox"/> CHLORINATED
<input type="checkbox"/> DEGRADED GASOLINE	<input type="checkbox"/> GREY	<input type="checkbox"/> SOLVENT ODOR
<input type="checkbox"/> DEGRADED DIESEL	<input type="checkbox"/> D. BROWN	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> DEGRADED OIL	<input type="checkbox"/> BLACK	
	<input checked="" type="checkbox"/> SHEEN	
	<input checked="" type="checkbox"/> THIN	
	<input type="checkbox"/> THICK	

TOTAL FREE PRODUCT & GROUNDWATER REMOVED: 10 gallons

FREE PRODUCT REMOVED BY: [Signature]

BCL
TYPI REMEDIATION SERVICE INT'L

2060 ANSEL DR., SUITE 200, VENTURA, CA 93003
 (805) 644-8892 • FAX (805) 634-0770