



2080 KNOLL DRIVE, SUITE 200, VENTURA, CALIFORNIA 93003
(805) 644-5892 • FAX (805) 654-0720

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January 3, 1995

Ms. Jennifer Eberle
Hazardous Materials Specialist
Alameda County CC4580
Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda. CA 94502-6577

SUBJECT: Former Desert Petroleum Site, 2844 Mountain Boulevard
Oakland, CA 94602

Dear Ms. Eberle:

This letter will confirm the key points we discussed today regarding ongoing remediation and quarterly monitoring at the subject site. Currently the remediation system is treating both soil and groundwater. Enclosed is an update of system performance. I will include this information in all future quarterly reports.

Anolymous groundwater level measurments in wells RS-1 and RS-2 during the August 1994 monitoring were due to the fact that the treatment system had not been shut down long enough for the groundwater to recharge to its normal static level before the initial measurments were made.. RS-1 and RS-2 are the wells that water is pumped from for treatment in the S.A.V.E. unit.

All future groundwater monitoring well be conducted only after the treatment system has been shut down for an adequate period of time to allow the wells to recharge.

If you have any further questions or comments please contact me at (805) 644-5892.

Sincerely,

Richard W. Pilat
Program Director



2060 KNOLL DRIVE, SUITE 200, VENTURA, CALIFORNIA 93003
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December 15, 1994

MONTHLY UPDATE REPORT FOR NOVEMBER, 1994

Desert Petroleum Station No. 796
2844 Mountain Blvd.
Oakland, CA

Operation Summary: The S.A.V.E.TM system is used at this site for vapor and groundwater extraction. As reported on the attached Table 1, the system had a run time of 65.8 percent for November resulting in a total removal of 7.9 pounds of hydrocarbons from subsurface soils and groundwater.

Work Summary: Normal vapor extraction operation and maintenance occurred during the month and is scheduled to continue.

A new oil/hydraulic hose was installed this month.

Regulatory Summary: Groundwater was last sampled on November 20, 1994; a Groundwater Monitoring Report is in preparation and will be submitted this month to Alameda County Department of Environmental Health.

TABLE 1

REMEDIAL SYSTEM PERFORMANCE DATA FOR 1994

2844 MOUNTAIN BLVD.
OAKLAND, CA

SUMMARY OF OPERATIONS FOR	Feb-94	Mar-94	Apr-94	May-94	Jun-94	Jul-94	Aug-94	Sep-94	Oct-94	Nov-94	YTD-Sum
Period Beginning	2/8	2/23	3/31	4/28	5/24	6/29	7/28	8/31	9/28	10/26	12/1/94
Period Ending	2/23	3/31	4/28	5/24	6/29	7/28	8/31	9/28	10/26	12/1	296
Days in Period	15	36	28	26	36	30	33	28	28	36	—
Hour meter - begin	775.8	891.2	1217.4	1333	1397.2	1668.8	1973.0	2241.2	2493.3	2738.3	—
Hour meter - end	891.2	1217.4	1333	1397.2	1668.8	1973.0	2241.2	2493.3	2738.3	2973.0	2197.2
Hours of Operation	115.4	326.2	115.6	64.2	271.6	304.2	268.2	252.1	245	234.7	74.2%
Percent Run Time	76.9%	90.6%	41.3%	24.7%	75.4%	100.0%	80.4%	88.7%	88.8%	65.8%	238.6
Total Pounds of HC's Removed	2.6	6.2	3.9	2.3	57.3	53.3	14.1	28.0	63.0	7.9	43.3
Total Gallons of HC's Removed	0.5	1.1	0.7	0.4	10.4	9.7	2.6	5.1	11.4	1.4	—
TPH Concentration of Vapors (ppm-v)	190	330	290	290	1800	1400	430	430	520	82	16
Average Vapor Flowrate from wells (cfm)	9.2	4.5	10	10	10	10	10	21	40	34	41
Average Vacuum on wells ("H2O)	24	24	50	50	48	48	40	32	44	50	65
Average Ambient Temperature (°F)	60	60	70	75	76	69	64	70	51	57	235.3
Total Pounds of HC's Removed from vapor	2.6	6.2	3.9	2.2	57.0	50.3	14.1	28.0	63.0	7.9	42.7
Total Gallons of HC's Removed from vapor	0.5	1.1	0.7	0.4	10.4	9.1	2.6	5.1	11.4	1.4	—
Water Flow Meter - begin	7909.4	7909.4	7909.4	7909.4	8000	8244	11227	13366	13800	14187	—
Water Flow Meter - end	7909.4	7909.4	7909.4	8000	8244	11227	13366	13800	14187	17265	9355.6
Gallons of Water Treated	0	0	0	90.6	244	2983	2139	434	387	3078	—
TPH Concentration of Water (ppm)	30	30	30	120	120	120	0.51	0.51	0.51	0.62	3.3505
Pounds of HC's Removed from Water	0.0000	0.0000	0.0000	0.0907	0.2443	2.9870	0.0091	0.0018	0.0016	0.0159	0.6084
Gallons of HC's Removed from Water	0.0000	0.0000	0.0000	0.0165	0.0444	0.5424	0.0017	0.0003	0.0003	0.0029	—

NOTE: Percent run time based operation of only 10 hours/day

No water sample collected in 2/94, 3/94 & 4/94, 6/94, 7/94, 9/94 & 10/94. TPH concentration used in calculation from earliest prior sampling.

No vapor inlet sample collected in 5/94 & 9/94. TPH concentration used in calculation from earliest prior sampling.

Average Vapor Flowrate on wells 5/94, 7/94 & 8/94 from earliest prior reading.

Average Vacuum on wells 3/94 from earliest prior reading.

Average Ambient Temp. 2/94 & 3/94 from earliest prior reading.

ND = Not detected above minimum detection levels.

DP796 Vapor Analytical

Date	Sample	TPH (gas) ppm-v	Benzene ppb-v	Toluene ppb-v	Ethyl- benzene ppb-v	Xylenes ppb-v
8/31/94	Comb. Inlet*, Air	430	1,500	9,200	1,000	8,000
8/31/94	System Exhaust, Air	ND	ND	340	ND	ND
9/22/94	System Exhaust, Air	39	242	280	ND	ND
10/05/94	Comb. Inlet*, Air	520	15,000	17,000	380	3,900
10/05/94	System Exhaust, Air	ND	ND	ND	ND	ND
10/20/94	System Exhaust, Air	ND	ND	ND	ND	ND
11/18/94	System Exhaust, Air	ND	ND	ND	ND	ND
12/01/94	Comb. Inlet*, Air	82	290	610	340	3,200
12/01/94	System Exhaust, Air	ND	ND	ND	ND	ND

* From wells RS-1, RS-3 & RS-4.

ND = Not detected at or above minimum detection limit.

If you do not receive the indicated number of pages, please call for
 _____ at (805) 644-5892.

**TABLE 1
INFLUENT & EFFLUENT
GROUNDWATER ANALYTICAL RESULTS**

**2844 MOUNTAIN BLVD.
OAKLAND, CA**

Results are in $\mu\text{g/L}$ (parts per billion).

LAB RESULTS:

Date	Sample	TPH (gas)	Benzene	Toluene	Ethylbenzene	Xylenes
8/3/94	Combined*, Influent (D)	780	48	7.7	2.7	87
8/3/94	System Effluent (A)	ND	ND	ND	ND	ND
8/25/94	RS-1, Influent	130	12	0.5	2.6	4.7
8/25/94	RS-2, Influent	510	7.3	3.8	3.5	32
10/05/94	Combined*, Influent (D)	58	1.2	1.4	ND	5
10/05/94	System Effluent (A)	ND	ND	ND	ND	ND
11/20/94	RS-1, Influent	270	4.7	0.7	0.6	15
11/20/94	RS-2, Influent	620	6.6	3.9	1.1	47
12/01/94	Combined*, Influent (D)	ND	ND	ND	ND	ND
12/01/94	System Effluent (A)	ND	ND	ND	ND	ND

NOTES:

* From wells RS-1& RS-2

ND = Not detected at or above minimum detection limit.

NA = Not analyzed for this constituent.