Weiss Associates *Environmental and Geologic Services*

5500 Shellmound Street, Emeryville, CA 94608-2411 *FAX: 510-547-5043 Phone: 510-450-6000*

TRANSMITTAL

DATE:	November 16, 1994	**PROJECT #:**	4-0582-55
TO:	Jennifer Everly	**PHONE:**	
COMPANY:	Alameda County Department of Environmental Health	**FAX:**	337-9335
FROM:	Mike Cooke, 450-6150		
SUBJECT:	**301 14th Street, Chevron SS #9-4816**		

VIA:	FAX:	AS:	FOR:
☑ Fax	# of pages: 3 (including this cover)	☐ Per our phone call	☑ Your information
☐ 1st Class Mail	☐ Hard Copy to follow	☑ You requested	☐ Return to you
☐ Overnight Delivery		☐ Is required	☐ Your review & comments
☐ UPS (Surface)		☐ We believe you may be interested	
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Please call (510) 450-6000 if there are any problems with transmission.

COMMENTS:

Jennifer:

Attached are tables 1 and 2 tabulating the ground water extraction system data collected to date at the subject site. Presently we are extracting ground water from wells MW-12, VEW-3 and CR-1.

Please call me if you have additional questions.

Table 1. Performance Summary, Former Chevron Service Station #9-4816, 301 14th Street, Oakland, CA

DATE	SYSTEM TOTALIZER READING (gal)	FLOW BETWEEN READINGS (gal)	DAYS BETWEEN READINGS (days)	AVERAGE FLOW (gpm)	SYSTEM INFLUENT TPH-G (ppm) (d)	TOTAL POUND OF TPH-G REMOVED (lbs) (a)	ESTIMATED CARBON CONSUMPTION (lbs/day) (b)	ESTIMATED POUNDS OF UNSPENT CARBON (lbs) (c)	COMMENTS
09-Aug-94	0	0.0	0	0.0	52.00	0	0	2000	System Started
12-Aug-94	21,432.7	21,432.7	3	5.0	52.00	3.10	62.07	1814	
13-Aug-94	26,612.0	5,179.3	1	3.6	52.00	5.35	45.00	1769	
18-Aug-94	36,855.6	10,243.6	5	1.4	43.00	6.09	14.72	1695	
22-Aug-94	44,825.0	7,969.4	4	1.4	41.00	6.77	13.65	1641	
30-Aug-94	59,950.0	15,125.0	8	1.3	43.00	7.45	13.58	1532	
01-Nov-94	154,190.0	94,240.0	63	1.0	40.00	7.95	10.00	902	

Notes:

a = Total lbs TPH-G removed = [flow rate (gpm) * concentration of TPH-G (parts/1,000,000) * density of water (8.34lb/gal) * 1440 (min/day)]

b = Carbon Consumption = [flow rate (gpm) * concentration of TPH-G (parts/1,000,000) * density of water (8.34lb/gal) * 1440 (min/day)] / 0.05 (adsorption capacity of TPH-G on carbon)

c = Pounds Of Unspent Carbon = 2000 (lbs (two 1,000 lbs carbon vessels) - Carbon Consumption (lbs/day) * number of days (days)

d = If no influent data is available, the influent concentration is assumed equal to the concentration when last sampled.

Abreviations:
gal = gallons
gpm = gallons per minute
- = not available

Table 2. Summary of Analytic Results for Ground Water Extraction System, Former Chevron Service Station #9-4816, 301 14th Street, Oakland, California.

DATE SAMPLED	LAB	SYSTEM INFLUENT TPH-G	B	E	T	X	SYSTEM MIDPOINT First Carbon Effluent TPH-G	B	E	T	X	SYSTEM MIDPOINT Second Carbon Effluent TPH-G	B	E	T	X	SYSTEM EFFLUENT Third Carbon Effluent TPH-G	B	E	T	X
		< parts per billion (ppb) >																			
		TPH-IN	B-In				TPH-Mid1	B-Mid1				TPH-Mid2	B-Mid2				TPH-Out	B-Out			
09-Aug-94	GTEL	52,000	20,000	1600	11000	7300	<50	<0.5	<0.5	<0.5	<1.5	<50	<0.5	<0.5	<0.5	<1.5	<50	<0.5	<0.5	<0.5	<1.5
18-Aug-94	GTEL	43,000	16,000	620	5,500	2,800	<50	<0.5	<0.5	<0.5	<1.5	<50	<0.5	<0.5	<0.5	<1.5	<50	<0.5	<0.5	<0.5	<1.5
22-Aug-94	GTEL	41,000	18,000	990	7,300	3,900	<50	<0.5	<0.5	<0.5	<1.5	<50	<0.5	<0.5	<0.5	<1.5	<50	<0.5	<0.5	<0.5	<1.5
30-Aug-94	GTEL	43,000	14,000	820	6,700	3,500	<50	<0.5	<0.5	<0.5	<1.5	<50	<0.5	<0.5	<0.5	<1.5	<50	<0.5	<0.5	<0.5	<1.5
01-Nov-94	SPA	40,000	9,500	580	5200	2700	<50	1.5	<0.5	1.1	0.9	<50	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<0.5	<0.5	<0.5

Abbreviations:

TPH-G = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015
B = Benzene by EPA Method 8020
E = Ethylbenzene by EPA Method 8020
T = Toluene by EPA Method 8020
X = Xylenes by EPA Method 8020
<n = Not detected at detection limit of n ppb
GTEL = GTEL Environmental Laboratories Inc, Concord, California
mg/l = milligrams per liter
— = Not analyzed

Notes:

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