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Alameda County
Environmental Health

Aaron Costa
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Marketing Business Unit

**Chevron Environmental
Management Company**
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May 8, 2009

Mr. Jeff Carson
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Subject: Former Chevron Service Station No. 9-0260
21995 Foothill Boulevard
Hayward, CA
Permit No. 007-03

Dear Mr. Carson:

During the current reporting period, the groundwater treatment and extraction system at the site referenced above operated in compliance with the conditions specified in the Oro Loma Sanitary District Wastewater Discharge Permit No. 007-03.

I certify under penalty of law that this document and all attachments are prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system, or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron Costa".

Aaron Costa
Project Manager



**CONESTOGA-ROVERS
& ASSOCIATES**

5900 Hollis Street, Suite A, Emeryville, California 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

May 8, 2009

Reference No. 311915

Mr. Jeff Carson
Oro Loma Sanitary District
2600 Grant Avenue
San Lorenzo, California 94580

Re: Monthly Discharge Report – April 2009
Former Chevron Service Station #9-0260
21995 Foothill Boulevard
Hayward, California
Permit No. 007-03

Dear Mr. Carson:

Conestoga-Rovers & Associates (CRA) prepared this document on behalf of Chevron Environmental Management Company (Chevron). This report was prepared in accordance with the requirements of the wastewater discharge permit. During the current reporting period, the remediation system at the subject site did not operate; therefore, no compliance samples were collected.

SELF-MONITORING REPORT – APRIL 2009

REPORTING PERIOD ACTIVITIES

- CRA did not conduct routine operation and maintenance during April. CRA is waiting for the carbon in the first carbon vessel to be replaced before operation can resume.
- CRA did not collect effluent compliance samples because the system did not run during April.
- CRA prepared this document, which includes tabulated operational and sample analytical data (Tables 1, 2, and 3).

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**CONESTOGA-ROVERS
& ASSOCIATES**

May 8, 2009

Reference No. 311915

REPORTING PERIOD DATA SUMMARY (3/25/09 TO 4/30/09)

Compliance Sampling Frequency	<u>Monthly</u>
Initial Totalizer Reading	<u>903,200 gallons</u>
Final Totalizer Reading	<u>903,200 gallons</u>
Discharged Volume	<u>0 gallons</u>
Average Discharge Flow Rate	<u>0 gallons per minute</u>
Maximum Discharge Flow Rate	<u>0 gallons per minute</u>
Discharge Violations or Exceedances	<u>None</u>

If you have any questions regarding the contents of this document, please call Jeff Schrupp at (510) 420-3362 or Casey Sanders at (916) 751-4118.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Casey Sanders

JS/doh/11

Encl.

Table 1	Influent and Effluent Fuel Concentrations
Table 2	System Operational Data
Table 3	Effluent Compliance Results

cc: Mr. Aaron Costa, Chevron Environmental Management Company

TABLES

TABLE 1: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
INFLUENT AND EFFLUENT FUEL CONCENTRATIONS
FORMER CHEVRON STATION # 9-0260
21995 FOOTHILL BOULEVARD, HAYWARD, CALIFORNIA

Sample Date (mm/dd/yy)	Influent						Midfluent 1						Midfluent 2						Effluent						
	TPHg Conc. (µg/L)	Benzene ² Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE ¹ Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene ² Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE ¹ Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene ² Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE ¹ Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene ² Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	MtBE ¹ Conc. (µg/L)	pH ³
06/25/07	34,000	2,000	6,400	1,300	6,100	92	NA	NA	NA	NA	NA	NA							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.17
07/17/07	42,000	1,700	1,700	1,400	6,400	57	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.1
07/26/07	57,000	1,800	7,200	1,600	7,000	51	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA
08/17/07	65,000	2,800	10,000	1,500	7,000	74	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.2
08/22/07	44,000	2,100	7,900	1,500	7,500	56	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.3
08/29/07	43,000	2,000	7,200	1,400	6,600	53	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.89
09/26/07	42,000	1,800	6,400	1,400	6,800	33	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.5
10/04/07	34,000	1,500	5,900	800	6,000	40	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.92
10/08/07	45,000	2,400	8,500	920	6,400	45	150	4.1	23	3	25	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.36
10/19/07	42,000	2,300	8,100	950	6,000	38	< 50	1.2	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.3
10/25/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS							NS	NS	NS	NS	NS	NS	7.3
12/05/07	46,000	2,400	7,500	920	4,800	42	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS
12/06/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS							NS	NS	NS	NS	NS	NS	7.5
12/18/07	31,000	1,800	5,100	900	4,400	37	< 50	0.9	3.3	0.6	2.6	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.8
01/03/08	41,000	2,400	8,200	1,200	6,800	35	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.03
01/18/08	36,000	1,000	5,100	700	5,300	35	< 50	< 0.5	< 0.5	< 0.5	< 1.5	0.5							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.8
02/07/08	65,000	2,400	9,500	1,000	7,200	21	< 720	< 29.0	110	3.9	95	< 2.0							< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.65
02/14/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS							NS	NS	NS	NS	NS	NS	6.72
03/05/08	40,000	2,100	8,500	1,200	6,700	28	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5							< 50	< 0.5	0.7	< 0.5	< 1.5	< 0.5	8.3
03/13/08	37,000	1,700	7,200	820	5,700	37	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	Carbon vessel added 07/22/08						120	2.2	17	1.2	23	< 0.5	NS
8/1/2008 ⁵	41,000	1,500	7,400	990	4,300	36	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.25
08/08/08	40,000	1,900	6,900	990	5,400	35	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.01
09/03/08	31,000	970	4,900	800	4,600	33	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.41
09/17/08	32,000	1,300	7,300	710	5,400	22	< 50	< 0.5	< 0.5	< 0.5	< 1.5	0.80	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.47
10/01/08	26,000	980	5,400	350	4,200	28	< 50	< 0.5	< 0.5	< 0.5	< 1.5	0.80	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.73
10/16/08	27,000	1,100	6,600	750	4,600	34	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS
11/04/08	25,000	670	4,700	320	3,800	24	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.42
11/21/08	87,000	2,700	18,000	1,100	11,000	30	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.69
12/03/08	33,000	710	4,400	480	5,500	26	< 50	< 0.5	< 0.5	< 0.5	< 1.5	0.8	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.32
12/18/08	39,000	730	4,500	680	6,200	24	82	< 0.5	< 0.5	< 0.5	< 1.5	2	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.70
01/06/09	21,000	690	4,300	460	3,600	22	79	< 0.5	< 0.5	< 0.5	< 1.5	2	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	8.65
01/21/09	17,000	640	3,300	360	2,800	25	< 50	< 0.5	< 0.5	< 0.5	< 1.5	3	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS
02/03/09	17,000	530	3,200	350	2,800	21	< 50	< 0.5	< 0.5	< 0.5	< 1.5	4	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.78
02/20/09	35,000	660	5,200	670	4,800	200	< 50	< 0.5	< 0.5	< 0.5	< 1.5	5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.97
03/03/09	12,000	350	1,800	130	2,400	12	66	1.6	0.5	< 0.5	< 1.5	8	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.59
03/16/09	27,000	630	3,500	410	4,100	26	78	6.6	1.6	< 0.5	< 1.5	7	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS
Regulatory Limits (ug/L):																				15,000	ND	ND	ND	ND	5.5-12.5

Abbreviations:

- Conc. = concentration
µg/L = micrograms per liter
NA = not analyzed
NS = not sampled
TPHg = total petroleum hydrocarbons quantified as gasoline (by EPA Method 8015B)
MtBE = methyl tert-butyl ether (by EPA Method 8260B)
L = liter
µg/L = micrograms per liter

Notes:

1. = analyzed by EPA Method 8015B
2. = analyzed by EPA Method 8020
3. = pH readings were obtained onsite by utilizing a portable multimeter
4. = analyzed by EPA Method 8260B
5. = groundwater was pumped into a vacuum truck. No water was discharged to the sewer.

TABLE 2: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
OPERATIONAL DATA
FORMER CHEVRON STATION # 9-0260
21995 FOOTHILL BOULEVARD, HAYWARD, CALIFORNIA

Date (mm/dd/yy)						TPHg			Benzene			MTBE			Notes
	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume Discharged (gal)	TPHg Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	Benzene Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	MTBE Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	
06/25/07	NA	211	0	0.00	0	34,000	0.0	0.0	2,000	0.00	0.00	92	0.00	0.00	
07/16/07	NA	211	0	0.00	0		0.0	0.0		0.00	0.00		0.00	0.00	
07/17/07	NA	7,524	7,313	4.51	7,313	42,000	2.6	2.6	1,700	0.10	0.10	57	0.00	0.00	3
07/26/07	NA	9,422	1,898	1.17	9,211	57,000	0.9	3.5	1,800	0.03	0.13	51	0.00	0.00	
08/03/07	NA	10,947	1,525	0.13	10,736		0.7	4.2		0.02	0.16		0.00	0.00	
08/16/07	NA	12,100	1,153	0.06	11,889		0.6	4.8		0.03	0.18		0.00	0.01	
08/17/07	NA	15,500	3,400	2.36	15,289	65,000	1.8	6.7	2,800	0.08	0.26	74	0.00	0.01	
08/22/07	NA	18,700	3,200	0.44	18,489	44,000	1.2	7.8	2,100	0.06	0.32	56	0.00	0.01	
08/24/07	NA	22,800	4,100	1.42	22,589		1.5	9.3		0.07	0.39		0.00	0.01	
08/29/07	NA	24,810	2,010	0.28	24,599	43,000	0.7	10.1	2,000	0.03	0.42	53	0.00	0.01	
09/18/07	NA	26,700	1,890	0.07	26,489		0.7	10.7		0.03	0.45		0.00	0.01	
09/21/07	NA	29,900	3,200	0.74	29,689		1.1	11.8		0.05	0.50		0.00	0.01	
09/26/07	NA	39,700	9,800	1.36	39,489	42,000	3.4	15.3	1,800	0.15	0.65	33	0.00	0.02	
09/27/07	NA	44,300	4,600	3.19	44,089		1.6	16.9		0.07	0.72		0.00	0.02	
10/04/07	NA	65,765	21,465	2.13	65,554	34,000	6.1	23.0	1,500	0.27	0.98	40	0.01	0.02	
10/08/07	NA	73,526	7,761	1.35	73,315	45,000	2.9	25.9	2,400	0.16	1.14	45	0.00	0.03	
10/19/07	NA	97,500	23,974	1.51	97,289	42,000	8.4	34.3	2,300	0.46	1.60	38	0.01	0.04	
10/25/07	NA	117,400	19,900	2.30	117,189		7.0	41.3		0.38	1.98		0.01	0.04	2
12/05/07	2.0	119,284	1,884	0.03	119,073	46,000	0.7	42.0	2,400	0.04	2.02	42	0.00	0.04	1
12/06/07	22.3	121,500	2,216	1.54	121,289		0.9	42.8		0.04	2.06		0.00	0.04	
12/11/07	141.8	134,679	13,179	1.83	134,468		5.1	47.9		0.26	2.33		0.00	0.05	
12/18/07	304.9	149,033	14,355	1.42	148,822	31,000	3.7	51.6	1,800	0.22	2.54	37	0.00	0.05	
12/27/07	518.7	170,809	21,776	1.68	170,598		5.6	57.3		0.33	2.87		0.01	0.06	
01/02/08	648.5	183,000	12,191	1.41	182,789		4.2	61.4		0.24	3.11		0.00	0.06	
01/03/08	666.7	185,361	2,361	1.64	185,150	41,000	0.8	62.2	2,400	0.05	3.16	35	0.00	0.06	
01/10/08	690.4	189,800	4,439	0.44	189,589		1.5	63.7		0.09	3.25		0.00	0.06	
01/11/08	718.3	197,700	7,900	5.49	197,489		2.7	66.5		0.16	3.41		0.00	0.07	
01/18/08	882.8	233,945	36,245	3.60	233,734	36,000	10.9	77.3	1,000	0.30	3.71	35	0.01	0.08	
01/23/08	1004.7	254,185	20,240	2.81	253,974		6.1	83.4		0.17	3.88		0.01	0.08	
01/30/08	1061.7	268,200	14,015	1.39	267,989		4.2	87.6		0.12	4.00		0.00	0.09	
02/07/08	1233.7	312,800	44,600	3.87	312,589	65,000	24.2	111.8	2,400	0.89	4.89	21	0.01	0.09	
02/14/08	1399.6	341,772	28,972	2.87	341,561		15.7	127.5		0.58	5.47		0.01	0.10	2
02/26/08	1427.7	346,091	4,319	0.25	345,880		2.3	129.9		0.09	5.56		0.00	0.10	4
03/04/08	1428.2	346,400	309	0.03	346,189		0.2	130.0		0.01	5.56		0.00	0.10	
03/05/08	1,428.2	346,400	0	0.00	346,189	40,000	0.0	130.0	2,100	0.00	5.56	28	0.00	0.10	
03/13/08	1,617.8	379,835	33,435	2.90	379,624	37,000	10.3	140.4	1,700	0.47	6.04	37	0.01	0.11	
08/01/08	1,617.8	379,835	1,000	0.00	379,624	41,000	0.3	140.7	1,500	0.01	6.05	36	0.00	0.11	5
08/08/08	1,623.1	380,302	467	0.05	380,091	40,000	0.2	140.9	1,900	0.01	6.06	35	0.00	0.11	
08/14/08	1,734.0	393,425	13,123	1.52	393,214		4.4	145.2		0.21	6.27		0.00	0.12	
08/22/08	1,928.0	411,400	17,975	1.56	411,189		6.0	151.2		0.28	6.55		0.01	0.12	
08/26/08	2,052.0	421,400	10,000	1.74	421,189		3.3	154.6		0.16	6.71		0.00	0.12	
08/29/08	2,095.7	425,300	3,900	0.90	425,089		1.3	155.9		0.06	6.77		0.00	0.12	
09/03/08	2,218.9	436,999	11,699	1.02	436,788	31,000	3.0	158.9	970	0.09	6.87	33	0.00	0.13	
09/10/08	2,384.8	453,500	16,501	1.64	453,289		4.3	163.2		0.13	7.00		0.00	0.13	
09/11/08	2,406.8	456,388	2,888	2.01	456,177		0.7	163.9		0.02	7.02		0.00	0.13	
09/17/08	2,555.1	472,712	16,324	1.89	472,501	32,000	4.2	168.1	1,300	0.13	7.15	22	0.00	0.14	
09/22/08	2,674.4	484,718	12,006	1.67	484,507		3.1	171.3		0.10	7.25		0.00	0.14	
09/25/08	2,743.4	491,450	6,732	1.56	491,239		1.7	173.0		0.05	7.31		0.00	0.14	
10/01/08	2,880.0	504,825	13,375	1.55	504,614	26,000	2.9	175.9	980	0.11	7.42	28	0.00	0.15	
10/07/08	3,030.7	504,826	1	0.00	504,615		0.0	175.9		0.00	7.42		0.00	0.15	
10/14/08	3,203.0	521,800	16,974	1.68	521,589		3.7	179.6		0.14	7.55		0.00	0.15	

TABLE 2: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
OPERATIONAL DATA
FORMER CHEVRON STATION # 9-0260
21995 FOOTHILL BOULEVARD, HAYWARD, CALIFORNIA

Date (mm/dd/yy)						TPHg			Benzene			MTBE			Notes
	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume Discharged (gal)	TPHg Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	Benzene Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	MTBE Concentration (µg/L)	Period Removal ⁵ (pounds)	Cumulative Removal (pounds)	
10/16/08	3,249.5	525,436	3,636	1.26	525,225	27,000	0.8	180.4	1,100	0.03	7.59	34	0.00	0.15	
10/20/08	3,342.5	532,668	7,232	1.26	532,457		1.6	182.0		0.07	7.65		0.00	0.15	
10/30/08	3,587.3	551,119	18,451	1.28	550,908		4.2	186.2		0.17	7.82		0.01	0.16	
11/04/08	3,710.8	566,883	15,764	2.19	566,672	25,000	3.3	189.5	670	0.09	7.91	24.0	0.00	0.16	
11/14/08	3,928.6	591,371	24,488	1.70	591,160		5.1	194.6		0.14	8.05		0.00	0.17	
11/21/08	4,100.2	609,095	17,724	1.76	608,884	87,000	12.9	207.4	2,700	0.40	8.45	30.0	0.00	0.17	
11/26/08	4,215.2	619,510	10,415	1.45	619,299		7.6	215.0		0.23	8.68		0.00	0.17	
12/03/08	4,384.8	634,191	14,681	1.46	633,980	33,000	4.0	219.1	710.0	0.09	8.77	26.0	0.00	0.18	
12/04/08	4,400.2	635,755	1,564	1.09	635,544		0.4	219.5		0.01	8.78		0.00	0.18	
12/10/08	4,540.5	648,910	13,155	1.52	648,699		3.6	223.1		0.08	8.86		0.00	0.18	
12/18/08	4,733.3	666,837	17,927	1.56	666,626	39,000	5.8	228.9	730.0	0.11	8.97	24.0	0.00	0.18	
12/23/08	4,849.8	678,134	11,297	1.57	677,923		3.7	232.6		0.07	9.03		0.00	0.19	
12/30/08	5,019.9	696,221	18,087	1.79	696,010		5.9	238.5		0.11	9.15		0.00	0.19	
01/06/09	5,190.8	713,656	17,435	1.73	713,445	21,000	3.1	241.6	690.0	0.10	9.25	22.0	0.00	0.19	
01/09/09	5,257.3	719,457	5,801	1.34	719,246		1.0	242.6		0.03	9.28		0.00	0.19	
01/10/09	5,285.0	720,715	1,259	0.87	720,504		0.2	242.8		0.01	9.29		0.00	0.19	
01/15/09	5,407.8	730,670	9,955	1.38	730,459		1.7	244.5		0.06	9.34		0.00	0.20	
01/21/09	5,551.8	746,771	16,101	1.86	746,560	17,000	2.3	246.8	640.0	0.09	9.43	25.0	0.00	0.20	
01/29/09	5,714.0	764,570	17,799	1.55	764,359		2.5	249.3		0.10	9.52		0.00	0.20	
02/03/09	5,800.3	778,493	13,923	1.93	778,282	17,000	2.0	251.3	530.0	0.06	9.59	21.0	0.00	0.21	
02/12/09	5,813.7	795,800	17,307	1.34	795,589		2.5	253.8		0.08	9.66		0.00	0.21	
02/18/09	5,854.3	806,200	10,400	1.20	805,989		1.5	255.3		0.05	9.71		0.00	0.21	
02/20/09	5,891.1	814,275	8,075	2.80	814,064	3,500	0.2	255.5	660.0	0.04	9.75	200.0	0.01	0.22	
02/25/09	5,931.4	822,654	8,379	1.16	822,443		0.2	255.7		0.05	9.80		0.01	0.24	
03/03/09	6,062.5	850,576	27,922	3.23	850,365	12,000	2.8	258.5	350.0	0.08	9.88	12.0	0.00	0.24	
03/04/09	6,075.0	853,991	3,415	2.37	853,780		0.3	258.9		0.01	9.89		0.00	0.24	
03/06/09	6,123.4	864,918	10,927	3.79	864,707		1.1	260.0		0.03	9.92		0.00	0.24	
03/09/09	6,169.2	878,100	13,182	3.05	877,889		1.3	261.3		0.04	9.96		0.00	0.24	
03/13/09	6,191.4	883,831	5,731	0.99	883,620		0.6	261.9		0.02	9.98		0.00	0.24	
03/16/09	6,225.9	897,472	13,641	3.16	897,261	27,000	3.1	264.9	630.0	0.07	10.05	26.0	0.00	0.25	
03/25/09	6,231.3	903,200	5,728	0.44	902,989		1.3	266.2		0.03	10.08		0.00	0.25	
Total Extracted Volume (gal):					902,989	Pounds Removed:		266.2	Pounds Removed:		10.08	Pounds Removed:		0.25	
Average Operational Flow Rate (gpm):					0.98	Gallons Removed:		43.7	Gallons Removed:		1.37	Gallons Removed:		0.04	

Notes:

1. = Hour Meter installed beginning at zero.
2. = system shutdown for carbon change out.
3. = BISCO unit was reset to zero hours following replacement of PLC
4. = system restarted for collecting compliance vapor samples. Upon collection of vapor samples, system was turned off pending carbon changeout
5. = approximately 1,000 gallons of water pumped on 8/1/08 was not discharged to the sewer. Water was hauled offsite by IWM. System
6. = System started for full time operation.

Formulas and Assumptions:

1. Mass Removed During the Period = Volume of Water Extracted (in gallons) x Concentration (ug/L) x (g/10⁶ug) x (pound/453.6g) x (3.785 L/gal)
When concentration of individual parameters were not detected, the concentration was assumed to half the detection limit for calculation purposes.
2. Gallons Removed = Mass (pounds) x (Density)⁻¹ (cc/g) x 453.6 (g/pound) x (L/1000 cc) x (gal/3.785 L)
Density: = 0.73 g/cc
= 0.88 g/cc
= 0.74 g/cc
3. Average Flow Rate = (Gallons of Extracted Water (gal) / Number of Operational Days) * (60 min/hr) * (24 hours/day)

Abbreviations:

TPHg = total petroleum hydrocarbons quantified as gasoline (by EPA Method 8015B)

BTEX = benzene, toluene, ethylbenzene, and total xylenes (by EPA Method 8020)

MTBE = methyl tert-butyl ether (by EPA Method 8260B)

L = liter

µg/L = micrograms per liter

gal = gallon

gpm = gallon per minute

lbs = pounds

mg #NAME?

g = grams

Blank Cell = indicates not sampled

TABLE 3: GROUNDWATER EXTRACTION AND TREATMENT SYSTEM
EFFLUENT COMPLIANCE RESULTS
FORMER CHEVRON STATION # 9-0260
21995 FOOTHILL BOULEVARD, HAYWARD, CALIFORNIA

Sampling Date (mm/dd/yy)	Concentrations						pH ³	Notes
	TPHg ¹ (µg/L)	Benzene ² (µg/L)	Toluene ² (µg/L)	Ethylbenzene ² (µg/L)	Xylenes ² (µg/L)	MTBE ⁴ (µg/L)		
06/25/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.17	
07/17/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.1	
07/26/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
08/17/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.2	
08/22/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.3	
08/29/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.89	
09/26/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.5	
10/04/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.92	
10/08/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.36	
10/19/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.3	
10/25/07	NS	NS	NS	NS	NS	NS	7.3	
12/05/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
12/06/07	NS	NS	NS	NS	NS	NS	7.5	
12/18/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.8	
01/03/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.03	
01/18/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.8	
02/07/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.65	
02/14/08	NS	NS	NS	NS	NS	NS	6.72	
03/05/08	< 50	< 0.5	0.7	< 0.5	< 1.5	< 0.5	8.3	5
03/13/08	120	2.2	17	1.2	23	< 0.5	NA	6
08/01/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.25	7
08/08/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.01	
09/03/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.41	
09/17/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.47	
10/01/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.73	
10/16/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
11/04/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.42	
11/21/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.69	
12/03/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	7.32	
12/18/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.70	
01/06/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	8.65	
01/21/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NA	
02/03/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.78	
02/20/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.97	
03/03/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	6.59	
03/16/09	< 50	< 0.5	< 0.5	< 0.5	< 1.5	< 0.5	NS	
Regulatory Limits (µg/L)	15,000	ND	ND	ND	ND	No Limit	5.5<L<12.5	

Abbreviations & Notes:

- = analyzed by EPA Method 8015B
 - = analyzed by EPA Method 8020
 - = pH readings were obtained onsite by utilizing a portable multimeter
 - = analyzed by EPA Method 8260B
 - = Effluent Permit Discharge Limitation of non detect was exceeded. The system was shut down the day the results were obtained (3/13/08), confirmation samples were collected and the OLSD was notified pursuant to the discharge permit. No violation was issued by the OLSD
 - = Confirmation samples results collected prior to system shut down pursuant to results of samples collected on 3/5/08. System was shut down pending results and a carbon change out/installation of additional carbon vessel were arranged in series. The results were forwarded to the OLSD pursuant to permit requirements and no associated fines were assessed due to the analytical results.
 - = Groundwater was pumped into a vacuum truck. No water was discharged to the sewer pending receipt of analytical results.
- µg/L = micrograms per liter
 NA = not analyzed
 ND = non detect
 < = not detected at or above laboratory reporting limit indicated
 TPHg = total petroleum hydrocarbons quantified as gasoline
 BTEX = benzene, toluene, ethylbenzene, and total xylenes
 MTBE = methyl tertiary butyl ether
 OLSD = Oro Loma Sanitation District