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**Alameda County
Environmental Health**

Olivia Skance
Project Manager
Marketing Business Unit

**Chevron Environmental
Management Company**
6001 Bollinger Canyon Road
San Ramon, CA 94583
Tel (925) 842-5005
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May 2, 2008

Mr. Jeff Carson
Oro 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 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.

I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Sincerely,

Olivia Skance
Project Manager



**CONESTOGA-ROVERS
& ASSOCIATES**

May 10, 2008

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

Re: **Monthly Discharge Report – April 2008**
Former Chevron Service Station #9-0260
21995 Foothill Blvd
Hayward, California
Permit No. 007-03

Dear Mr. Carson:

Conestoga-Rovers & Associates (CRA) prepared this document on behalf of Chevron Environmental Management Company (Chevron), 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 and therefore no samples were collected.**

CRA will upgrade the remediation system at the subject site to include replacing the two current liquid phase granular activated carbon (GAC) vessels with three new liquid phase GAC vessels. CRA will notify Oro Loma Sanitary District of all final details regarding this system upgrade and will request a revision to the current discharge permit before resuming discharge of treated groundwater to the sanitary sewer.

If you have any questions regarding the contents of this document, please call Jeff Schrupp at (510) 420-3362 or Casey Sanders at (916) 677-3407 x118.

Sincerely,
Conestoga-Rovers & Associates


Casey Sanders

Enclosure: Monthly Discharge Report – April 2008

cc: Ms. Olivia Skance, Chevron Environmental Management Company, 6001 Bollinger Canyon Road, San Ramon, CA 94583



**CONESTOGA-ROVERS
& ASSOCIATES**

MONTHLY DISCHARGE REPORT – APRIL 2008

Reporting Period Data Summary

Compliance Sampling Frequency	<u>Monthly</u>
Initial Totalizer Reading	<u>379,835 gallons</u>
Final Totalizer Reading	<u>379,835 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>

Tables: 1 – Groundwater Extraction – System Analytical Data
 2 – Groundwater Extraction – Operation and Mass Removal Data
 3 – Groundwater Extraction – Effluent Compliance

Conestoga-Rovers & Associates (CRA) prepared this document for use by our client and appropriate regulatory agencies. It is based partially on information available to CRA from outside sources and/or in the public domain, and partially on information supplied by CRA and its subcontractors. CRA makes no warranty or guarantee, expressed or implied, included or intended in this document, with respect to the accuracy of information obtained from these outside sources or the public domain, or any conclusions or recommendations based on information that was not independently verified by CRA. This document represents the best professional judgment of CRA. None of the work performed hereunder constitutes or shall be represented as a legal opinion of any kind or nature.

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Table 1: Groundwater Extraction - System Analytical Data - Former Chevron Station # 9-0260, 21995 Foothill Blvd, Hayward, CA

Sample Date (mm/dd/yy)	Influent			Midfluent 1			Effluent			pH
	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	MtBE Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	MtBE Conc. (µg/L)	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	MtBE Conc. (µg/L)	
06/25/07	34,000	2,000	92	NA	NA	NA	< 50	< 0.5	< 0.5	7.2
07/17/07	42,000	1,700	57	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.1
07/26/07	57,000	1,800	51	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	NA
08/17/07	65,000	2,800	74	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.2
08/22/07	44,000	2,100	56	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.3
08/29/07	43,000	2,000	53	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	6.9
09/26/07	42,000	1,800	33	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	6.5
10/04/07	34,000	1,500	40	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.9
10/08/07	45,000	2,400	45	150	4.1	< 0.5	< 50	< 0.5	< 0.5	7.4
10/19/07	42,000	2,300	38	< 50	1.2	< 0.5	< 50	< 0.5	< 0.5	7.3
10/25/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.3
12/05/07	46,000	2,400	42	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	NS
12/06/07	NS	NS	NS	NS	NS	NS	NS	NS	NS	7.5
12/18/07	31,000	1,800	37	< 50	0.9	< 0.5	< 50	< 0.5	< 0.5	7.8
01/03/08	41,000	2,400	35	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	7.0
01/18/08	36,000	1,000	35	< 50	< 0.5	0.5	< 50	< 0.5	< 0.5	7.8
02/07/08	65,000	2,400	21	720	29	2	< 50	< 0.5	< 0.5	6.7
02/14/08	NS	NS	NS	NS	NS	NS	NS	NS	NS	6.7
03/05/08	40,000	2,100	28	< 50	< 0.5	< 0.5	< 50	< 0.5	< 0.5	8.3
03/13/08 d	37,000	1,700	37	< 50	< 0.5	< 0.5	< 120	2.2	< 0.5	NS

Abbreviations & Notes:

Conc. = Concentration

µg/L = Micrograms per liter

NA = Not analyzed

NS = Not sampled

TPHg = Total purgeable hydrocarbons as gasoline, analyzed by EPA Method 8015B

pH analyzed onsite with multimeter

Benzene analyzed by EPA Method 8020

MtBE = Methyl-tertiary butyl ether, analyzed by EPA Method 8260B

Table 2: Groundwater Extraction - Operation and Mass Removal Data - Former Chevron Station # 9-0260, 21995 Foothill Blvd, Hayward, CA

Site Visit (mm/dd/yy)	Hour Meter (hours)	Flow Meter Reading (gal)	Period Volume (gal)	Period Operational Flow Rate (gpm)	Cumulative Volume (gal)	TPHg Conc. (µg/L)	TPHg Period Removal (pounds)	Cumulative Removal (pounds)	Benzene Conc. (µg/L)	Benzene Period Removal (pounds)	Cumulative Removal (pounds)	MTBE Conc. (µg/L)	Period Removal (pounds)	Cumulative Removal (pounds)
06/25/07	0.0	211	0	0.00	0	34,000	0.00	0.00	2,000	0.00	0.00	92	0.00	0.00
07/16/07	0.0	211	0	0.00	0	NS	0.00	0.00	NS	0.00	0.00	NS	0.00	0.00
07/17/07 a	2.0	7,524	7,313	5.08	7,313	42,000	2.56	2.56	1,700	0.10	0.10	57	0.00	0.00
07/26/07	5.0	9,422	1,898	0.15	9,211	57,000	0.90	3.47	1,800	0.03	0.13	51	0.00	0.00
08/03/07	NA	10,947	1,525	0.13	10,736	NS	0.73	4.19	NS	0.02	0.16	NS	0.00	0.00
08/16/07	NA	12,100	1,153	0.06	11,889	NS	0.63	4.82	NS	0.03	0.18	NS	0.00	0.01
08/17/07	NA	15,500	3,400	2.36	15,289	65,000	1.84	6.66	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	1.17	7.84	2,100	0.06	0.32	56	0.00	0.01
08/24/07	NA	22,800	4,100	1.42	22,589	NS	1.51	9.34	NS	0.07	0.39	NS	0.00	0.01
08/29/07	NA	24,810	2,010	0.28	24,599	43,000	0.72	10.06	2,000	0.03	0.42	53	0.00	0.01
09/18/07	NA	26,700	1,890	0.07	26,489	NS	0.66	10.72	NS	0.03	0.45	NS	0.00	0.01
09/21/07	NA	29,900	3,200	0.74	29,689	NS	1.12	11.85	NS	0.05	0.50	NS	0.00	0.01
09/26/07	NA	39,700	9,800	1.36	39,489	42,000	3.43	15.28	1,800	0.15	0.65	33	0.00	0.02
09/27/07	NA	44,300	4,600	3.19	44,089	NS	1.61	16.89	NS	0.07	0.72	NS	0.00	0.02
10/04/07	NA	65,765	21,465	2.13	65,554	34,000	6.09	22.98	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	2.91	25.90	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	8.40	34.30	2,300	0.46	1.60	38	0.01	0.04
10/25/07 b	NA	117,400	19,900	2.30	117,189	NS	6.97	41.27	NS	0.38	1.98	NS	0.01	0.04
12/05/07 b	2.0	119,284	1,884	0.03	119,073	46,000	0.72	42.00	2,400	0.04	2.02	42	0.00	0.04
12/06/07	22.3	121,500	2,216	1.54	121,289	NS	0.85	42.85	NS	0.04	2.06	NS	0.00	0.04
12/11/07	141.8	134,679	13,179	1.83	134,468	NS	5.06	47.90	NS	0.26	2.33	NS	0.00	0.05
12/18/07	304.9	149,033	14,355	1.42	148,822	31,000	3.71	51.62	1,800	0.22	2.54	37	0.00	0.05
12/27/07	518.7	170,809	21,776	1.68	170,598	NS	5.63	57.25	NS	0.33	2.87	NS	0.01	0.06
01/02/08	648.5	183,000	12,191	1.41	182,789	NS	4.17	61.42	NS	0.24	3.11	NS	0.00	0.06
01/03/08	666.7	185,361	2,361	1.64	185,150	41,000	0.81	62.23	2,400	0.05	3.16	35	0.00	0.06
01/10/08	690.4	189,800	4,439	0.44	189,589	NS	1.52	63.75	NS	0.09	3.25	NS	0.00	0.06
01/11/08	718.3	197,700	7,900	5.49	197,489	NS	2.70	66.45	NS	0.16	3.41	NS	0.00	0.07
01/18/08	882.8	233,945	36,245	3.60	233,734	36,000	10.89	77.34	1,000	0.30	3.71	35	0.01	0.08
01/30/08	1061.7	268,200	34,255	1.98	267,989	NS	10.29	87.63	NS	0.29	4.00	NS	0.01	0.09
02/07/08	1233.7	312,800	44,600	3.87	312,589	65,000	24.19	111.82	2,400	0.89	4.89	21	0.01	0.09
02/14/08 b	1399.6	341,772	28,972	2.87	341,561	NS	15.71	127.53	NS	0.58	5.47	NS	0.01	0.10
02/26/08 c	1427.7	346,091	4,319	0.25	345,880	NS	2.34	129.88	NS	0.09	5.56	NS	0.00	0.10
03/04/08	1428.2	346,400	309	0.03	346,189	NS	0.17	130.04	NS	0.01	5.56	NS	0.00	0.10
03/05/08	1,428.2	346,400	0	0.00	346,189	40,000	0.00	130.04	2100.0	0.00	5.56	28.0	0.00	0.10
03/13/08	1,617.8	379,835	33,435	2.90	379,624	37,000	10.32	140.37	1700.0	0.47	6.04	37.0	0.01	0.11
Total Extracted Volume (gal):					379,624	Pounds Removed:		140.37	Pounds Removed:		6.04	Pounds Removed:		0.11
Average Operational Flow Rate (gpm):					1.01	Gallons Removed:		23.04	Gallons Removed:		0.82	Gallons Removed:		0.02

Table 2: Groundwater Extraction - Operation and Mass Removal Data - Former Chevron Station # 9-0260, 21995 Foothill Blvd, Hayward, CA

Abbreviations & Notes:

TPHg = Total petroleum hydrocarbons as gasoline

MTBE = Methyl tertiary butyl ether

Conc. = Concentration

µg/L = Microgram per liter

L = Liter

gal = Gallon

gpm = Gallon per minute

g = Gram

NS = not sampled

NA = not analyzed

a = hour meter was reset after running for 25 hours after installation of new programmable logic controller

b = System shut down for carbon changeout.

c = System restarted to facilitate the collection of compliance vapor samples and shut back down awaiting carbon changeout

Mass removed based on the formula: volume extracted (gal) x Concentration (µg/L) x (g/10⁶ µg) x (pound/453.6g) x (3.785 L/gal)

When constituents are not detected, the concentration is assumed to be equal to half the detection limit in subsequent calculations.

Volume removal data based on the formula: mass (pounds) x (density)⁻¹ (cc/g) x 453.6 (g/pound) x (L/1000 cc) x (gal/3.785 L)

Period operational flow rate based on the formula: (cumulative volume (gal)) / (current hour meter reading - last hour meter reading (hr)) / (60 (min/hr))

Density inputs: TPHg = 0.73 g/cc, Benzene = 0.88 g/cc, TBA = 0.78 g/cc, MTBE = 0.74 g/cc

TPHg analyzed by EPA Method 8015B, BTEX analyzed by EPA method 8020, and MTBE analyzed by EPA Method 8260B

Table 3: Groundwater Extraction - Effluent Compliance - Former Chevron Station # 9-0260, 21995 Foothill Blvd, Hayward, CA

Sample Date	Effluent					pH
	TPHg Conc. (µg/L)	Benzene Conc. (µg/L)	Toluene Conc. (µg/L)	Ethylbenzene Conc. (µg/L)	Xylenes Conc. (µg/L)	
06/25/07	< 50	< 0.5	< 0.5	< 0.5	< 0.5	7.17
07/17/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	7.10
07/26/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	NS
08/17/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	7.20
08/22/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	7.30
08/29/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	6.89
09/26/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	6.50
10/04/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	7.92
10/08/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	7.36
10/19/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	7.30
12/05/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	NS
12/06/07	NS	NS	NS	NS	NS	7.50
12/18/07	< 50	< 0.5	< 0.5	< 0.5	< 1.5	7.80
01/03/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	7.03
01/17/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	7.80
02/07/08	< 50	< 0.5	< 0.5	< 0.5	< 1.5	6.65
03/05/08	< 50	< 0.5	0.7	< 0.5	< 1.5	8.30
03/13/08	< 120	2.2	17.0	1.2	23.0	NS
Limits (ug/L)	15,000	ND	ND	ND	ND	5.5<L<12.5

Abbreviations & Notes:

Conc. = Concentration

µg/L = Micrograms per liter

NS = Not Sampled

pH analyzed onsite with multimeter

TPHg = Total purgeable hydrocarbons as gasoline, analyzed by EPA Method 8015B

BTEX analyzed by EPA Method 8020

MTBE = Methyl tertiary butyl ether, analyzed by EPA Method 8260B