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By Alameda County Environmental Health 9:55 am, Dec 14, 2015

Mr. Mark Detterman
Alameda County Environmental Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Former Olympic Service Station
1436 Grant Avenue
San Lorenzo, California
ACEHD Case No. RO0000373, GeoTacker No. T0600102256

Dear Mr. Detterman:

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,
George and Frida Jaber 1989 Family Trust



Philip Jaber, Trustee



3330 Cameron Park Drive, Ste 550
Cameron Park, California 95682
(530) 676-6004 ~ Fax: (530) 676-6005

TRANSMITTAL

Date December 10, 2015
Project Former Olympic Station

To:
Oro Loma Sanitary District
Industrial Waste Inspector
2600 Grant Avenue, San Lorenzo CA 94580
Attn: Rodney Smith

Re: Wastewater Discharge Monthly Report (Permit #SDP-2014147)

Item	Description
1	Analytical Report (samples collected on 11/17/15)
2	Operational Performance and Mass Removal Summary Table (Table 9: GW Extraction Component)

Dear Mr. Smith:

Please find attached for your review the analytical results for the effluent water samples collected on November 17, 2015, and the groundwater discharge flow rates observed from the dual-phase extraction and groundwater remediation system at the Former Olympic Station Facility located at 1436 Grant Avenue, San Lorenzo, California. The system was temporarily shut down and was restarted for continuous operation on November 17, 2015. Upon restart on November 17, 2015, all extracted groundwater was treated using carbon vessels, and discharged into the sanitary sewer. The approximate monthly discharge and extraction rates are as follows:

- November 17 – December 2, 2015: 8,700 gallons (3.72 gpm)

The system operated in compliance with permit conditions and all effluent sample results were below laboratory reporting limits, and within the permit limitations. Stratus will continue to conduct a monthly sampling event as required by the approved discharge permit.

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those 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 fine and imprisonment for knowing violations.”

If you have any questions, or need more information please contact me at (530) 313-9974 or dbarr@stratusinc.net.

Sincerely,



Deborah L. Barr, P.E.

**TABLE 9
GROUNDWATER EXTRACTION COMPONENT - OPERATIONAL PERFORMANCE AND MASS REMOVAL SUMMARY
DPE REMEDIATION EVENT**

Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Date	Notes	Sample Time	Hour Meter Reading ¹	Sewer Discharge Data				Analytical Results			Mass Removed			Cumulative Mass Removed		
				Totalizer Reading (gallons)	Period (gallons)	Cumulative Flow (gallons)	Average Sewer Discharge Flow Rate (gpm) ^a	Influent			This Period			Mass Removed		
								GRO (µg/L)	Benzene (µg/L)	MTBE (µg/L)	GRO (lbs)	Benzene (lbs)	MTBE (lbs)	GRO (lbs)	Benzene (lbs)	MTBE (lbs)
7/21/14	1	7:43	3,478.1	60,440	--	--	--	Start of Test								
07/29/14		5:55	3,599.7	110,120	49,680	49,680	6.81	310	3.3	37	0.13	0.0014	0.015	0.13	0.0014	0.015
08/18/14		7:15	3,862.0	196,310	86,190	135,870	5.48	170	3.4	39	0.17	0.0024	0.027	0.30	0.0038	0.043
09/08/14		7:55	4,247.0	305,370	109,060	244,930	4.72	<50	0.89	12	<0.10	0.0020	0.023	<0.40	0.0057	0.066
10/02/14	2	7:25	4,823.0	458,740	153,370	398,300	4.44	<50	0.77	11	<0.06	0.0011	0.015	<0.47	0.0068	0.081
11/03/14		7:58	5,265.0	618,930	160,190	558,490	6.04	<50	<0.50	13	<0.07	<0.001	0.016	<0.53	<0.008	0.097
12/04/14	3	6:55	5,271.0	621,440	2,510	561,000	6.97	<50	0.98	21	<0.001	<0.00002	0.0004	<0.53	<0.008	0.097
01/05/15		7:46	5,873.0	875,710	254,270	815,270	7.04	<50	5.4	29	<0.106	<0.00677	0.0530	<0.64	<0.014	0.150
02/02/15		6:47	5,926.0	898,290	22,580	837,850	7.10	<50	2.4	22	<0.009	<0.00073	0.0048	<0.65	<0.015	0.155
03/10/15	4	7:05	5,941.0	904,000	5,710	843,560	6.34	<50	1.5	21	<0.002	<0.00009	0.0010	<0.65	<0.015	0.156
03/23/15	5	--	6,015.0	927,780	23,780	867,340	5.36	--	--	--	<0.010	<0.00030	0.0042	<0.66	<0.016	0.160
05/05/15	6	7:32	6,018.0	929,200	1,420	868,760	7.89	96	5.0	19	<0.001	<0.00006	0.0002	<0.66	<0.016	0.160
06/02/15	7	5:35	6,233.0	979,100	49,900	918,660	3.87	<50	<0.50	7.7	<0.030	<0.00115	0.0056	<0.69	<0.017	0.166
07/01/15		5:55	6,929.0	1,122,860	143,760	1,062,420	3.44	<50	<0.50	6.9	<0.060	<0.00060	0.0088	<0.75	<0.017	0.175
08/03/15	8	6:23	7,410.0	1,220,100	97,240	1,159,660	3.37	<50	<0.50	9.6	<0.041	<0.00041	0.0067	<0.79	<0.018	0.181
09/01/15		5:28	7,903.0	1,299,690	79,590	1,239,250	2.69	<50	<0.50	9.7	<0.033	<0.00033	0.0064	<0.83	<0.018	0.188
10/06/15		5:55	8,744.0	1,469,360	169,670	1,408,920	3.36	<50	<0.50	5.9	<0.071	<0.00071	0.0110	<0.90	<0.019	0.199
11/17/15	9	6:04	8,745.0	1,469,400	40	1,408,960	0.67	<50	<0.50	<0.50	<0.000	<0.00000	0.0000	<0.90	<0.019	0.199
12/02/15		5:34	8,783.0	8,660	8,660	1,417,620	3.80	Waiting Results								

Legend / Key:

GRO = Gasoline Range Organics C4-C13

µg/L = micrograms per liter

lbs = pounds

Analytical Methods / Laboratory:

GRO analyzed using EPA Method SW8015B/SW8260B

MTBE = Methyl tertiary butyl ether

gpm = gallons per minute

-- = data not collected/not calculated

Benzene and MTBE analyzed using EPA Method SW8260B

Alpha Analytical, Inc. (ELAP # 2019)

^a Not representative of actual flow rate, calculation affected by system down time.

^b Mass removed this period (pounds) = Average concentration (µg/L) [between the sample dates] x Period gallons x (2.2046 x 10⁻⁹)(lb/µg) / 0.26418 (gal/L)

¹ Hour meter readings were not taken at exact sampling times, therefore, times noted are readings obtained closest to the actual sampling times.

TABLE 9
GROUNDWATER EXTRACTION COMPONENT - OPERATIONAL PERFORMANCE AND MASS REMOVAL SUMMARY
DPE REMEDIATION EVENT
Former Olympic Station, 1436 Grant Avenue, San Lorenzo, California

Notes:

- 1 DPE extracting from extraction wells EX-2 through EX-7.
- 2 DPE extracting from extraction wells EX-1 through EX-7.
- 3 DPE extracting from extraction wells EX-1, EX-5 and EX-6.
- 4 DPE extracting from extraction wells EX-1 and EX-5.
- 5 Mass removed is based on analytical results obtained during March 10, 2015 sampling event.
- 6 System was non-operational between March 23 and May 5, 2015 due to budget constraints. After maintenance, the system was re-started for continuous operation on May 20, 2015, extracting from wells EX-3, EX-6, MW-5A and MW-6A.
- 7 DPE extracting from extraction wells EX-1, MW-5A and MW-6A.
- 8 DPE extracting from extraction wells EX-1, EX-6, MW-5A and MW-6A.
- 9 New totalizer installed, therefore, hour reading restarted back at zero.