

Remedial System Monthly Summary Report for November 2011

Well ID	Flow Meter Readings							
	GW-2/GW-13		GW-15		GW-16		Discharge Total ¹	
Date/Time	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)
10/26/2011 11:55	8311118.5	9.3	4849890	6.5	2438328	7.0	57270810	24
10/28/2011 10:00 ⁴	8323244.5	9.3	4858225	6.0	2447680	7.0	57298660	24
10/31/2011 9:00	8362506.5	9.3	4884175	6.5	2476848	7	57389020	22
11/1/2011 9:15	8375927.0	9.3	4892940	6.0	2486733.5	7.0	57419545	22
11/3/2011 8:30 ²	8402016.5	9.2	4909875	6.5	2506060.0	6.9	57476775	18
11/4/2011 12:25 ³	8408777.5	9.2	4914926	7.0	2511109.0	6.9	57493045	31
11/7/2011 8:30 ⁴	8431819.0	9.0	4931970	6.5	2528715.0	6.5	57547665	23
11/8/2011 8:50 ³	8439015.0	8.9	4937160	7.5	2533534.5	7.0	57564865	32
11/10/2011 9:46 ⁵	8453009.6	8.8	4948110	7.5	2543785.5	6.8	57599081	30
11/11/2011 8:00 ²	8462633.0	9.0	4955472	7.5	2550874.5	6.8	57620790	34
11/14/2011 10:10	8482772.0	8.6	4971565	7.5	2565980.0	6.8	57670670	39
11/15/2011 10:10	8495620.0	9.1	4981225	6.4	2575635.0	6.8	57703090	34
11/17/2011 11:10 ³	8520050.0	9.0	4998482	7.0	2593740.0	7.0	57758035	31
11/18/2011 7:40 ⁵	8531099.0	9.2	5006230	7.0	2602073.0	7.0	57785450	39
11/21/2011 9:15 ²	8564581.0	9.1	5029305	7.0	2627277.0	6.5	57861950	42
11/23/2011 8:00	8590158.0	9.2	5047203	6.5	2645400.0	6.6	57920300	30
11/28/2011 9:35 ²	8610673.0	8.8	5063571	7.5	2660274.0	6.8	57970100	41
11/29/2011 10:35 ⁶	8624494.0	9.0	5073921	6.5	2670390.0	6.5	58002700	36
Total Volume (Gal) Removed from Well	261,987.5		189,746		193,542		613,680	

1. Total Discharge processed under NPDES permit no. CAG994004 CI-7585. Totalizer flow is independent of inlet flows. Inlet well flow is routed to surge tank for storage until water level triggers operation of GWTS.

2. Bag and MX-7 filters replaced.

3. Bag filters replaced.

4. MX-7 and MX-21 filters replaced.

5. MX-7 filters replaced.

6. Annual NPDES compliance samples collected.

Vapor Extraction System

The vapor extraction system operated continuously for the month of November 2011 except for planned routine sampling or O&M task (as indicated on Table 2). Therefore, not including the planned downtimes, the vapor extraction system operated 100 percent during November 2011. Vapor extraction wells VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 and VEW-37 (Eastern



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Boundary Wells) and horizontal wells HW-1, HW-3, HW-5 and HW-7 (covering the expanse of the above ground storage tank area) where on-line during operation for this reporting period.

Date/Time	Run Time (Hours)	VES Flow (cfm)	Temp (deg,F)	GAC-1		GAC-2		GAC-3	
				Pres. (In w.c.)	Temp (deg, F)	Pres. (In w.c.)	Temp (deg, F)	Pres. (In w.c.)	Temp (deg, F)
11/1/2011 9:20	6150.7	150	109.0	20	88	13	88	8	85
11/3/2011 8:40	6197.9	150	106.7	20	90	13	86	8	78
11/4/2011 11:00 ¹	6224.3	113	111.9	19	90	13	88	8	85
11/7/2011 8:40	6295.0	123	111.6	20	100	13	86	8	78
11/8/2011 8:45	6319.1	152	113.4	20	100	13	88	8	78
11/10/2011 8:30	6366.8	152	114.8	20	96	13	90	8	82
11/11/2011 8:05 ¹	6390.4	149	107.1	19	84	13	88	8	84
11/14/2011 9:15	6463.5	151	114.8	19	99	13	91	8	84
11/15/2011 10:15	6488.6	149	120.2	20	100	13	96	8	86
11/17/2011 10:45	6537.1	148	127.6	20	104	13	98	8	90
11/18/2011 9:00 ¹	6559.3	147	111.6	19	90	12	88	8	82
11/21/2011 7:25	6629.7	115	102.7	18	80	13	80	8	72
11/23/2011 8:15 ¹	6678.5	141	107.1	19	90	13	84	8	74
11/28/2011 8:10	6798.4	149	108.5	19	84	13	88	8	82
11/29/2011 11:20 ²	6825.6	147	122.7	19	100	13	94	8	88
11/31/2011 8:40 ^{1,3}	6846	116	111.2	19	88	13	88	8	82

Footnotes:

1. VES weekly PID readings taken.

2. Changed oil in blower

3. Monthly compliance samples collected

cfm-cubic feet per minute

In w.c.-Pressure measured in inches of water column

"Hg-Pressure measured in inches of mercury

psi-Pressure measured in pounds per square inch

If you have any questions, please call me at 602-734-1083 or Mary Lucas at 626-440-6032.

Sincerely,

PARSONS



Redwan N. Hassan, PG
Project Manager



Mr. Cho

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