

January 17, 2012

Mr. Paul Cho, PG, Site Cleanup Unit IV
California Environmental Protection Agency
California Regional Water Quality Control Board, Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013

**Re: Remedial System Monthly Operational Summary Report for December 2011
DFSP Norwalk Facility, Norwalk**

Dear Mr. Cho:

Parsons is transmitting the remedial system monthly summary report for December 2011 for the DFSP Norwalk Facility in Norwalk, California. This report will summarize remedial system operation for the month and include description of down time and individual well statistics.

Groundwater Extraction System

In taking into account the planned downtime for routine operation and maintenance (O&M) tasks and permit compliance sampling and not including it, the groundwater extraction system operated for an estimated 98.1 percent for the month of December 2011. System operation was ceased for routine system maintenance as noted in Table 1.

Well ID	Flow Meter Readings						Discharge Total ¹	
	GW-2/GW-13		GW-15		GW-16		Volume (gal)	Flow (gpm)
Date/Time	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)
12/1/2011 12:20 ²	8644037.5	8.8	5088466	7.0	2684711.3	6.8	58049235	30
12/2/2011 7:45 ³	8653578.5	9.6	5095640	7.0	2691816.5	6.8	58071155	39
12/5/2011 9:00 ⁴	8682000.0	8.4	5116348	7.0	2712691.0	7	58138150	38
12/7/2011 11:00	8709140.0	8.9	5135400	6.5	2732862.5	6.8	58201000	19
12/9/2011 8:45 ⁴	8719602.0	8.8	5144715	7.0	2741782.5	7	58226160	38
12/12/2011 9:30 ⁴	8751515.0	9.0	5166910	7.0	2764622.0	6.8	58301800	38
12/15/2011 16:00 ⁴	8789848.5	9.2	5193385	7.0	2792310.0	6.5	58389100	40
12/19/2011 13:57 ⁴	8837530.4	8.9	5225359	7.0	2826678.7	6.7	58497388	37
12/21/2011 12:17	8862678.4	9.7	5242039	8.0	2844786.0	6.7	58555605	31
12/23/2011 14:35 ⁴	8890075.5	9.1	5259283	6.5	2864466.4	6.6	58615470	37

Remedial System Monthly Summary Report for December 2011

Groundwater Treatment System							December 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)
12/27/2011 9:20 ⁴	8930716.1	9.1	5285691	8.0	2893644.5	6.8	58705809	39
12/28/2011 8:15 ⁵	8941972.0	9.2	5293182	6.5	2901760.0	6.5	58731355	34
12/30/2011 11:50 ¹⁶	8968192.3	9.3	5310373	7.0	2920690.0	6.6	58789930	28
Total Volume (Gal) Removed from Well	343,698.3		236,452		250,300		787,230	

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 filters replaced.

3. MX-7 filters replaced.

4. Bag and MX-7 filters replaced.

5. Monthly NPDES compliance samples collected.

6. System turned off at 13:30 for groundwater monitoring event.

Vapor Extraction System

The vapor extraction system operated continuously for the month of December 2011 except for planned O&M tasks and routine sampling (as indicated on Table 2). Therefore, not including the planned downtimes, the vapor extraction system operated 100 percent during December 2011. System operation is summarized in Table 2. Vapor extraction wells VEW-32, VEW-33, VEW-34, VEW-35, VEW-36 and VEW-37 (Eastern Boundary Wells) and horizontal wells HW-1, HW-3, HW-5 and HW-7 (covering the expanse of the above ground storage tank area) were on-line during operation for this reporting period.

Vapor Extraction System				December 2011					
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)
12/2/2011 7:40	6893.4	166	100.6	19	82	12	82	8	74
12/5/2011 7:15	6965.0	172	92.1	19	74	13	74	8	68
12/7/2011 11:05	7016.8	151	122.0	18	97	12	90	8	80
12/9/2011 7:40 ¹	7061.4	115	100.9	19	80	12	78	8	70
12/12/2011 9:40	7135.4	108	91.0	18	66	12	76	8	70
12/15/2011 15:35 ¹	7213.4	113	111.2	18	85	12	88	8	78
12/19/2011 14:09	7308.0	149	106.7	18	83	12	86	7	79
12/21/2011 12:39	7354.5	148	121.3	18	98	12	98	6	89



Mr. Cho

Remedial System Monthly Summary Report for December 2011

Date/Time	Run Time	VES Flow	Temp (deg,F)	GAC-1		GAC-2		GAC-3	
				Pres.	Temp	Pres.	Temp	Pres.	Temp
12/23/2011 14:01 ¹	7403.8	148	128.7	18	104	12	100	8	85
12/27/2011 9:33	7495.4	153	114.3	18	101	12	81	6	79
12/28/2011 8:40 ^{1,2}	7518.4	114	110.1	18	94	12	80	8	74
12/30/2011 9:52	7567.7	115	118.9	18	101	12	90	7	83

Footnotes:

1. VES weekly PID readings taken.

2. 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

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