

June 13, 2011

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 May 2011
 DFSP Norwalk Facility, Norwalk**

Dear Mr. Cho:

Parsons is transmitting the remedial system monthly summary report for May 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

Groundwater extraction operated continuously for the month of May 2011 except as noted in Table 1.

Table 1								
Groundwater Treatment System Operation Status							May 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)
5/2/2011 09:15 ²	6910150.8	5.0	3525142	11	1426088	6.5	53717155	18
5/3/2011 08:50	6915518.5	5.0	3534710	9	1433899	8	53739620	15
5/4/2011 08:05 ³	6919506.1	5.2	3543658	9.5	1440940	7.0	53756175	9
5/5/2011 14:02 ⁴	6924608.2	5.0	3552326	10	1447768	7.5	3777595	20
5/6/2011 12:10 ⁵	6928998.5	5.0	3560510	9	1454284	7.2	53797673	13
5/9/2011 09:40 ²	6934481.0	4.8	3571552	10	1462483	7	53820412	16
5/10/2011 07:25 ⁶	6939280	4.8	3581305	9	1469975	7.5	53840957	14
5/11/2011 07:40 ⁷	6944261.5	4.8	3591033	9.5	147798	7.2	53863184	12
5/12/2011 08:35	6950818.5	4.7	3603106	8.5	1487708	7	53890773	20
5/13/2011 08:20	6956314.0	4.7	3613772	8.5	1496522	7.0	53914830	16

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Date/Time	Flow (gpm)	Temp (deg, F)	Flow (gpm)	Temp (deg, F)	Flow (gpm)	Temp (deg, F)	Flow (gpm)	Temp (deg, F)
5/16/2011 07:36 ⁷	6966745.0	4.9	3634410	9.5	1512530	7.1	53959715	19
5/17/2011 08:00 ⁸	6972509.5	7.2	3645625	9.0	1521463	7.0	53985380	16
5/18/2011 12:55	6978644.5	4.8	3657093	9.0	1530548	8.0	54011120	16
5/19/2011 09:15 ⁷	6981700.5	4.8	3663681	10	1535629	7	54025210	17
5/20/2011 10:12 ⁹	6986608.4	7.2	3673412	10	1543374	7.0	54046681	16
5/23/2011 09:25 ¹⁰	6987371.6	7.0	3702109	10	1566807	7.5	54098685	16
5/24/2011 07:55 ¹¹	6987447.2	0.0	3713205	9.0	1575902	7.2	54117013	15
5/25/2011 08:25 ¹²	6987523.5	7.5	722967	9.0	1584085	7.2	54136215	10
5/26/2011 08:15	6993915.5	7.5	3737090	9	1590436	7.4	54155095	13
5/27/2011 09:25 ¹³	6998004.5	8.2	2726660	9.0	1594677	7.0	54169046	8
5/31/2011 09:20 ⁷	7015049.8	7.9	3757210	10	1610090	7.2	54219771	4
Total Volume (Gal)Removed from Well	113,430.3		248,149		195,407		537,117	

1. Total Discharge processed under NPDES permit no. CAG994004 CI-7585

2. Bag and MX-7 filters replaced.

3. Remote wells off at 8:08, restarted.

4. GWTS off from 09:00 to 13:30 to replace bag filter housing, BF-1. Bag filters replaced.

5. Repaired leaks at BF-1.

6. Cleaned MX-21 filters.

7. MX-7 filters replaced.

8. Repaired pump support cable at GW-16.

9. Bag filters replaced.

10. MX-7 filters replaced, MX-21 filters cleaned, reset GW-2/GW-13 breaker.

11. Reset breaker for GW-2/GW-13, MX-21 filters replaced.

12. MX-7 filters replaced, increased amperage at GW-2/GW-13 breaker.

13. Bag and MX-7 filters replaced. Quarterly NPDES samples collected.

Vapor Extraction System

Vapor extraction operated continuously for the month of May 2011 except as noted 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.

Date/Time	Run Time (Hours)	VES Flow (cfm)	Temp ¹ (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)
5/2/2011 08:30	2214.8	157	126.5	19	110	13	98	8	90
5/3/2011 09:00	2239.3	155	135.1	19	120	13	104	8	96



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Table 2									
Vapor Extraction System Operation Status								May 2011	
Date/Time	Run Time	VES Flow	Temp ¹ (deg,F)	GAC-1		GAC-2		GAC-3	
				Pres.	Temp	Pres.	Temp	Pres.	Temp
5/4/2011 08:10	2262.5	159	126.9	19	106	12	102	8	94
5/5/2011 14:12	2292.5	148	134.8	19	116	12	110	8	109
5/6/2011 12:15 ²	2314.5	154	127.9	19	116	13	104	8	100
5/9/2011 08:20	2382.6	157	113	18	88	12	88	8	82
5/10/2011 07:30	2405.8	117	114.8	19	92	12	88	8	80
5/11/2011 07:35	2429.9	159	110.8	19	86	12	88	8	80
5/12/2011 08:20	2454.6	157	123.8	19	104	12	98	8	86
5/13/2011 08:05 ²	2478.4	156	114.4	19	90	12	94	8	86
5/16/2011 07:32	2549.8	168	106	18	82	12	82	7	76
5/17/2011 08:15	2574.5	112	93.9	18	66	12	78	8	70
5/18/2011 07:07	2597.4	114	108.1	18	84	12	84	7	74
5/19/2011 07:58	2622.2	153	111.9	18	88	12	86	8	78
5/20/2011 09:45 ³	2648.0	152	124.5	18	106	12	98	8	88
5/23/2011 07:53	2716.2	150	114.1	18	90	12	90	7	85
5/24/2011 08:05	2740.4	151	116.6	20	92	14	92	8	84
5/25/2011 08:30	2764.8	166	117.7	20	102	14	96	9	88
5/26/2011 08:25	2788.7	165	107.8	20	86	14	88	8	84
5/27/2011 10:10 ⁴	2814.5	160	126.1	20	112	14	100	9	94
5/31/2011 09:13	2909.5	161	122	20	106	14	94	8	88

Footnotes:

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

1. Temperature calculated from Kanomax reading.

2. Weekly PID readings taken.

3. Weekly PID readings taken. VES shut down around 11 a.m., cause unknown, restarted at 12:48

4. Weekly PID readings taken. Monthly compliance samples collected.

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

Sincerely,

PARSONS



Redwan Hassan, PG
Project Manager



Mr. Cho

Remedial System Monthly Summary Report for May 2011

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