

June 1, 2011

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

**Re: Remedial System Monthly Operational Summary Report for March/April 2011  
DFSP Norwalk Facility, Norwalk**

Dear Mr. Cho:

Parsons is transmitting the remedial system monthly summary report for March/April 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 months of March and April 2011 except as noted in Table 1.

<b>Table 1</b>								
<b>Groundwater Extraction System Operation - March/April 2011</b>								
Well ID	Flow Meter Readings							
	GW-2/GW-13		GW-15		GW-16		Discharge Total <sup>1</sup>	
Date/Time	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)
<b>March 2011</b>								
3/2/2011 12:06 <sup>2</sup>	6653508.9	9.0	3184015	10	1223874	5.1	52986845	24
3/4/2011 12:06 <sup>3</sup>	6670733.4	9.0	3201665	10	1233566	5.4	53029010	18
3/7/2011 14:16 <sup>2</sup>	6683211.2	9.0	3215257	10	1240684	5.5	53060130	22
3/8/2011 13:06 <sup>5</sup>	6692329	9.0	3224921	10	1246074	5.4	53082872	12
3/9/2010 8:11 <sup>2</sup>	6695791.8	9.0	3228720	10	1248062	5.3	53091475	20
3/11/2011 15:39 <sup>3</sup>	6724059.8	9.0	3244349	10	1263688	5.2	53118982	20
3/14/2011 14:50 <sup>2</sup>	6736377.7	9.0	3257736	10	1270833	5.3	53149685	25
3/15/2011 12:38 <sup>3</sup>	6745438.8	9.1	3267412	10	1276218	5.4	53172639	22
3/16/2011 14:01 <sup>4</sup>	6754694.8	9.0	3277150	10	1281645	5.4	53195292	20
3/18/2011 8:00 <sup>6</sup>	6764408.8	9.0	3287990	11	1287508	5.5	53220980	16
3/21/2011 9:12 <sup>2</sup>	6781931.1	9.0	330707	10	1297759	5.4	53266582	22

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<b>Table 1</b>								
<b>Groundwater Extraction System Operation - March/April 2011</b>								
Well ID	Flow Meter Readings							
	GW-2/GW-13		GW-15		GW-16		Discharge Total <sup>1</sup>	
Date/Time	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)
System shut down on March 22 at 17:00 to restore power to sump pump. System restarted March 24 at 13:27								
3/24/2011 13:27	6794866.8	5.5	3322875	10	1305059	4.0	53298625	20
3/25/2011 14:30 <sup>2</sup>	6800880	0.0	---	---	---	---	53319525	24
GWTS down March 25 due to sump pump failure/ system capacity exceeded during rain event. System repairs made and system restarted on March 29 at 9:30 a.m.								
3/28/2011 13:15	6802163	5.5	3335195	9.0	1310739	4.2	53322975	22
3/29/2011 8:49	6808693.7	6.0	3346336	9.0	1316164	4.6	53344868	16.5
3/30/2011 14:50 <sup>7</sup>	6814518.5	0.0	3356310	0.0	1321033	0	53364930	12
Total Volume (Gal) Removed from Well	177,774.7		188,690		106,283.7		418,446	
<b>April 2011</b>								
4/1/2011 9:30 <sup>4</sup>	6819520	5.5	3365373	10	1324322	1.5	53379135	5
4/4/2011 8:00 <sup>8</sup>	6835803.5	5.4	3392550	9.5	1330496	1.6	53426357	3
System shut down on April 4 at 08:30 for quarterly groundwater monitoring event. System restarted on April 15 at 14:05								
4/15/2011 15:05	6836205.5	5.5	3393300	10	130941	7	53428923	26
4/20/2011 10:24 <sup>2</sup>	6852192	0.0	3435834	9.5	1361995	7.3	53516580	24
4/21/2011 15:23	6868236.3	5.5	3448044	9.0	1371159	6.8	53550274	16
4/22/2011 8:30 <sup>3</sup>	68716229	5.5	3453966	9.5	1375332	6.0	53562935	20
4/25/2011 10:00 <sup>2</sup>	6881401.6	5.0	3472139	10	1387821	7.0	53602219	22
4/26/2011 11:00 <sup>3</sup>	6885774.5	5.3	3480132	9.5	1393488	7.0	53619125	21
4/27/2011 10:20	6891420.5	5.3	3490500	9.5	1401149	6.8	53641700	15
4/28/2011 10:08 <sup>4</sup>	6895168.2	5.2	3497355	10.0	1405954	7.0	53656831	19
4/29/2011 12:20 <sup>6</sup>	6901619.5	5.1	3509061	9.0	1414683	6.7	53682654	16
Total Volume (Gal) Removed from Well	82,099.5		143,688		90,361		303,519	

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

2. Bag and MX-7 filters replaced.

3. Bag filters replaced.

4. MX-7 filters replaced.

5. Effluent sample collected for TPH-diesel.

6. Monthly Effluent sample collected.

7. Sediment layer removed from top of GAC-1 filter media. High-high level switch replaced in Surge Tank.

8. MX-7 filters replaced. Cleaned out in-line filter at GW-16.



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Vapor Extraction System

Vapor extraction operated continuously for the months of March and April 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) on-line during operation.

<b>Table 2</b>									
<b>Vapor Extraction System Operation - March/April 2011</b>									
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)
<b>March 2011</b>									
3/2/2011 12:28	993.7	372	119.1	18	100	12	98	8	90
3/4/2011 11:49	1041.0	371	124.6	18	100	12	98	7	90
3/7/2011 12:45	1114.0	342	117.0	17	98	12	92	7	91
3/8/2011 13:18	1138.0	381	125.6	17	99	12	100	6	91
3/9/2011 8:20	1157.1	379	120	18	103	12	91	8	81
3/11/2011 15:47	1212.6	356	112.8	18	90	12	95	7	91
3/14/2011 15:01	1282.7	354	119.8	17	99	12	100	7	92
3/15/2011 12:48	1304.5	363	132.9	17	108	12	101	7	98
3/16/2011 14:10	1329.9	357	121.9	18	100	12	100	7	96
3/18/2011 7:50	1371.5	400	110.2	18	84	14	84	7	75
3/21/2011 9:55	1445.5	280	96.9	17	81	12	80	7	75
3/24/2011 9:43	1517.4	281	99.8	17	92	12	82	7	72
3/25/2011 14:15	1545.9	319	104.9	17.5	88	12	89	7	84
3/28/2011 13:39	1617.2	364	119.3	18	94	12	96	7	88
3/29/2011 10:47	1638.5	370	125.5	17	100	12	95	6	88
3/30/2011 14:45	1666.4	383	134.5	19	110	12	110	8	100
3/31/2011 0:00	---	389	138.4*	18	118	12	119	8	103
<b>April 2011</b>									
4/1/2011 13:18	1712.9	372	136.9*	19	117	12	114	8	106
4/4/2011 8:35	1779.9	---	111.9*	18	96	13	90	8	80
System shut down 4/4/2011 for quarterly groundwater monitoring									
4/18/2011 13:10	1883.5	161	111.9*	18	90	12	85	8	74
4/20/2011 15:05	1993.4	153	126.5*	18	104	13	101	8	94
4/21/2011 15:30	1957.8	146	119.1*	18	98	12	99	8	90
4/22/2011 8:10	1974.5	155	112.2*	18	92	13	90	8	84
4/25/2011 14:15	2052.5	145	122.7*	18	100	12	101	8	92
4/26/2011 12:15	2074.5	147	130.1*	18	92	13	90	8	84
4/27/2011 10:30	2096.8	151	134.8*	18	114	13	104	8	96
4/28/2011 9:48	2120.1	153	281.6	18	116	13	104	7	96

Mr. Cho

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<b>Table 2</b>									
<b>Vapor Extraction System Operation - March/April 2011</b>									
Date/Time	Run Time	VES Flow	Temp (deg,F)	GAC-1		GAC-2		GAC-3	
				Pres.	Temp	Pres.	Temp	Pres.	Temp
4/29/2011 12:55	2147.3	155	237.1	18	90	13	92	8	90

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

GAC-granular activated carbon

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

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