

May 3, 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

**Subject: Remedial System Operational Summary Report for April 2012
Defense Fuel Support Point Norwalk Facility, Norwalk, California**

Dear Mr. Cho:

Parsons is transmitting the remedial system monthly summary report for April 2012 for the Defense Fuel Support Point (DFSP) Norwalk Facility in Norwalk, California on behalf of the Defense Logistics Agency (DLA) Energy. This report will summarize remedial system operation for the month and include description of down time and individual well statistics.

Groundwater Extraction System

The groundwater extraction system operated for an estimated 52.4 percent for the month of April 2012. System operation was ceased for routine system O&M and from April 9th through April 23rd for the first semiannual groundwater monitoring event as noted in Table 1. Taking into account the planned and scheduled downtime, the system operated for an estimated 99.7 percent during the reporting month.

Well ID	Flow Meter Readings							
	GW-2/GW-13		GW-15		GW-16		Discharge Total ¹	
Date/Time	Volume (gal)	Flow (gpm ²)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)
4/2/2012 1430	9528444.1	0 ³	5749775	5.5	3327245.0	4.2	60128625	36
4/4/12 1420	9528592.0	6.4 ⁴	5765678	5.5	3339145.0	4.3	60156160	36
4/5/12 0940	9535817.0	6.3	5771810	5.5	3343865.5	4.4	60172700	36
4/9/12 0825 ⁵	9569926.5	5.8 ⁶	5801630	5.2	3367515.5	4.3	60256155	22

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Well ID	Flow Meter Readings							
	GW-2/GW-13		GW-15		GW-16		Discharge Total ¹	
Date/Time	Volume (gal)	Flow (gpm ²)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)
4/24/12 1124	9578567.5	6.0 ⁶	5808833	5.5	3373023.5	4.4	60279335	20
4/25/12 0900 ⁷	9586078.0	6.1 ⁶	5815875	6.5	3378606.5	4.3	60295960	38
4/27/12 0845 ⁸	9603542.0	6.3 ⁶	5830870	6	3390848.0	4.3	60339985	32
4/30/12 1319 ⁷	9627818.6	6.0 ⁶	5852170	5.5	3408727.6	4.2	60401671	32
Total Volume (Gal) Removed from Well	99,374.5		102,395.0		81,482.6		273,046.0	

Footnotes:

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. gpm= gallon per minute.
3. GW-2/13 discharge line under repair.
4. GW-2/13 back on line at 1400.
5. System off at 0845 for first semiannual groundwater monitoring event. Restarted 4/23/12 at 1230.
6. GW-2 pump failure. Pump replaced 05/02/12.
7. Replaced bag filters.
8. Collected monthly effluent sample.

Vapor Extraction System

The vapor extraction system operated continuously during the month of April except for April 9th through April 23rd during the scheduled first semiannual groundwater monitoring event (as indicated on Table 2). This shut reduced the operating percentage to 53.7 percent but taking into the planned and scheduled downtime, the system operated 100 percent. 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 former above ground storage tank area) where on-line during operation for this reporting period.

Date/Time	Run Time (Hours)	VES Flow (cfm ²)	Temp (deg,F)	GAC ¹ -1		GAC-2		GAC-3	
				Pres. (In w.c. ³)	Temp (deg, F)	Pres. (In w.c.)	Temp (deg, F)	Pres. (In w.c.)	Temp (deg, F)
4/2/12 1443	9456.0	142	128	19	108	12	110	8	91
4/4/12 1425	9504.3	147	126	20	94	14	92	8	84
4/5/12 0950 ⁴	9523.7	155	107	19	86	14	86	8	82



Mr. Cho

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Table 2 (continued) Vapor Extraction System Operation Summary April 2012									
Date/Time	Run Time (Hours)	VES Flow (cfm ²)	Temp (deg,F)	GAC ¹ -1		GAC-2		GAC-3	
				Pres. (In w.c. ³)	Temp (deg, F)	Pres. (In w.c.)	Temp (deg, F)	Pres. (In w.c.)	Temp (deg, F)
4/9/12 0830 ⁵	9618.4	156	117	19	100	14	90	8	82
4/25/12 0735	9662.0	157	110	20	92	14	88	8	80
4/27/12 0905 ^{4,6}	9711.4	145	124	19	108	13	96	8	86
4/30/12 1323	9787.1	145	125	19	108	12	100	8	92

Footnotes:

1. GAC = granular-activated carbon.
2. cfm = cubic feet per minute.
3. In w.c. = pressure measured in inches of water column.
4. VES weekly PID readings taken.
5. System shut off at 0845 for first semiannual groundwater monitoring event. Restarted system 4/24/12 at 1200.
6. 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 N. Hassan, PG
Project Manager

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