

April 12, 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 March 2012
 Defense Fuel Support Point Norwalk Facility, Norwalk, California**

Dear Mr. Cho:

Parsons is transmitting the remedial system monthly summary report for March 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 71.7 percent for the month of March 2012. System operation was ceased for routine system O&M, pipe excavation and repair of electrical wiring as noted in Table 1.

Well ID	Flow Meter Readings							
	GW-2/GW-13		GW-15		GW-16		Discharge Total ¹	
Date/Time	Volume (gallons)	Flow (gpm ²)	Volume (gallons)	Flow (gpm)	Volume (gallons)	Flow (gpm)	Volume (gallons)	Flow (gpm)
3/2/2012 1240 ³	9418188	9.2	5607606	5.8	3214968.5	4.5	59779400	27
3/5/2012 1010 ⁴	9451827	9.2	5628448	6.5	3231306.5	4.5	59845195	30
3/6/2012 0810 ³	9463842.5	9.2	5635908	5.5	3237193.5	4.5	59870190	29
3/7/2012 1052	9478589.9	9	5644293	6	3243724.1	4.6	59898741	28
3/9/2012 1440 ⁵	9499615	7	5657779	6	3254549.5	4.5	59941475	38
3/12/2012 1115 ⁴	9520525	6.6	5676469	6.5	3269422	4.5	59992040	32
3/14/2012 0800 ⁶	9528444.1	0	5691148	5.5	3281227.5	4.5	60026700	27
3/16/2012 0920 ^{3,7}	9528444.1	0	5706375	5.5	3293985.5	4.5	60054902	30
3/19/2012 1100 ⁵	9528444.1	0	5717715	6.5	3302776	4.4	60072775	38

Remedial System Operational Summary Report for March 2012

Well ID	Flow Meter Readings							
	GW-2/GW-13		GW-15		GW-16		Discharge Total ¹	
Date/Time	Volume (gallons)	Flow (gpm ²)	Volume (gallons)	Flow (gpm)	Volume (gallons)	Flow (gpm)	Volume (gallons)	Flow (gpm)
3/21/2012 1120	9528444.1	0	5731274	6	3312878.5	4.3	60097580	38
3/23/2012 1100 ³	9528444.1	0	5746554	6	3324905	4.3	60122380	38
3/28/2012 1458 ⁸	9528444.1	0	5747425	6.5	3325598.5	4.4	60125555	34
Total Volume (Gal) Removed from Well	110,256.1		139,819.0		110,630.0		346,155.0	

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 = gallons per minute

3. Weekly TBA compliance sample collected.

4. Bag filters replaced.

5. Bag and MX-7 filters replaced.

6. Inlet from GW-2/GW-13 damaged during pipe excavation. System off at 0930 for repair. Repairs completed and system restarted at 1400 on 4/4/12.

7. System shut off from 10:00 to 13:30 during pipe excavation near systems electrical lines.

8. Monthly NPDES compliance sample collected.

Vapor Extraction System

The vapor extraction system operated continuously for the month of March 2012 except for planned O&M tasks, vacuum line repairs and during excavation of piping near the systems electrical lines (as indicated on Table 2). The vapor extraction system operated 99.7 percent during March 2012. 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)
3/2/2012 12:55 ⁴	8717.9	160	125	20	104	14	98	8	88
3/5/2012 8:40	8785.7	159	111	20	94	14	92	8	84
3/7/2012 11:16	8836.4	155	113	20	91	13	89	9	71
3/9/2012 11:16 ^{4,5}	8883.4	154	131	20	110	14	98	8	90
3/12/2012 11:15	8955.3	157	110	20	92	14	88	8	80
3/14/2012 8:10	9000.2	154	102	20	84	14	84	8	76



Mr. Cho

Remedial System Operational Summary Report for March 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)
3/16/2012 9:15 ^{4/6}	9049.2	118	107	20	88	14	86	8	80
3/19/2012 10:35	9122.6	147	110	20	90	13	84	8	74
3/21/2012 12:00	9166	148	128	19	109	13	100	8	90
3/23/2012 10:32	9212.5	158	106	20	86	14	84	8	80
3/28/2012 8:15 ⁷	9330.1	118	104	20	84	14	80	8	72

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 off from 1330 to 1430 for vacuum line repairs.
6. System shut off from 1000 to 1330 during pipe excavation near systems electrical lines.
7. 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

Distribution:

Mr. Matthew Young, DLA-E
Mr. Tim Whyte, URS
LTC Tam Gaffney, March AFB
Ms. Adriana Figueroa, City of Norwalk
Mr. Norman Dupont, City of Norwalk Attorney
Mr. Charles Emig, City of Cerritos
Mr. Mark Wuttig, CH2M Hill
Mr. Dan Jablonski, CH2M Hill
Mr. Steve Defibaugh, KMED
Ms. Mary Lucas, Parsons
Office of Congresswoman Grace Napolitano

RAB Members:

Ms. Mary Jane McIntosh
Dr. Eugene Garcia
Mr. Bob Hoskins
Ms. Tracy Winkler

