

March 8, 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 February 2012
Defense Fuel Support Point Norwalk Facility, Norwalk, California**

Dear Mr. Cho:

Parsons is transmitting the remedial system monthly summary report for February 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 97.5 percent for the month of February 2012. System operation was ceased for routine system O&M and miscellaneous tasks 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)
2/1/2012 10:50 ³	9114640.0	9.0	5414065	6.5	3026092.5	6.5	59129450	28
2/3/2012 9:50 ⁴	9136062.5	8.8	5428608	7.0	2939247.0	6.8	59180025	40
2/6/2012 11:10 ³	9170200.0	9.0	5451059	7.0	3066675.5	6.8	59256390	36
2/7/2012 11:30	9183575.5	9.2	5459575	6.0	3076213.5	6.6	59287950	23
2/8/2012 10:18 ⁵	9193429.8	9.1	5466045	6.1	3083535.0	6.6	59308630	40
2/9/2012 2:10 ⁷	9206310.0	9.3	5475309	0.0	3092700.0	6.8	59338750	34
2/10/2012 10:00 ⁸	9217220.0	9.2	5475342	6.5	3100698.5	6.6	59356755	15

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	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)
2/13/2012 12:15 ⁵	9235187.0	9.0	5488306	7.0	3113796.5	6.7	59397450	38
2/15/2012 10:40 ³	9257891.0	8.9	5503212	6.0	3130255.5	6.8	59448550	35
2/16/2012 14:40	9273087.0	9.0	5512900	6.0	3141325.0	6.5	59484215	21
2/17/2012 10:40 ^{6,8}	9281391.0	9.0	5518320	6.0	3148392.5	7	59501660	28
2/20/2012 2:00 ³	9310596.8	9.0	5537674	8.0	3162035.3	8.8	59561415	35
2/21/2012 13:00	9323080.0	9.2	5545775	5.5	3168255.5	5.5	59588510	31
2/23/2012 13:20	9349554.0	9.2	5562165	6.0	3181170.0	4.5	59640670	19
2/24/2012 10:00 ^{8,9}	9361234.0	9.2	5569370	5.5	3186940.0	4.3	59662450	14
2/27/2012 2:30 ⁶	9374781.1	8.0	5579275	6.5	3199359.0	4.4	59690655	36
2/29/2012 12:30 ³	9391140.0	8.9	5590915	6.0	3202186.8	4.4	59725725	37
Total Volume (gallons) Removed from Well	284,378.0		182,650		182,037		615,065	

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. Bag filters replaced.

4. Replaced MX-21, MX-7 and bag filters.

5. Bag and MX-7 filters replaced.

6. MX-7 filters replaced.

7. GW-15 pump shut off by electrical problem. Restarted 2/10/2012 7:30 AM.

8. Weekly TBA compliance sample collected.

9. Effluent process sample collected.

Vapor Extraction System

The vapor extraction system operated continuously for the month of February 2012 except for planned O&M tasks and vacuum line repairs (as indicated on Table 2). The vapor extraction system operated 96.1 percent during February 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) were on-line during operation for this reporting period.

Mr. Cho

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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)
2/1/2012 8:40	8021.2	135	113.5	21	84	14	79	9	74
2/3/2012 12:00 ⁴	8072.5	158	143.8	20	95	14	90	9	82
2/6/2012 9:50	8142.3	162	139	20	95	14	84	9	80
2/8/2012 10:34	9191.1	154	180	21	100	14	89	9	83
2/9/2012 11:35 ⁴	8216.1	153	157.9	20	110	14	100	9	92
2/13/2012 11:30 ⁶	8311.9	158	128.8	20	84	14	86	9	78
2/15/2012 9:10	8330.9	160	125.7	20	76	14	78	9	72
2/16/2012 2:30 ⁴	8360.2	154	144.2	20	96	14	92	9	82
2/20/2012 11:25	8453	161	137.6	20	92	14	88	8	80
2/21/2012 13:05	8478.8	151	153.4	20	106	14	96	8	88
2/23/2012 1:25 ⁷	8526.5	156	159.2	20	110	14	106	8	94
2/24/2012 9:45 ^{4,5,6}	8546.7	156	137.3	20	96	14	90	8	86
2/27/2012 12:20	8621.3	161	127.9	20	80	14	80	8	75

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. Monthly compliance samples collected.
6. System off from 2/13/12 12:40 to 2/14/12 15:32 for vacuum line repairs.
7. System off 2/22/12 from 8:30 to 9:10 to change blower oil.

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



Mr. Cho

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