

June 4, 2012

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

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

Dear Mr. Cho:

Parsons is transmitting the remedial system monthly summary report for May 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 99.9 percent for the month of May 2012. System operation was ceased for routine system O&M 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.

**Table 1  
Groundwater Extraction System Operation Summary  
May 2012**

Well ID	Flow Meter Readings							
	GW-2/GW-13		GW-15		GW-16		Discharge Total <sup>1</sup>	
Date - Time	Volume (gal)	Flow (gpm <sup>2</sup> )	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)
05/04/12 - 0756	9660004.3	6.4	5877925	4.9	3430776.5	4.3	60479039	25
05/08/12 - 1030 <sup>3</sup>	9687857.5	7.2	5898519	5.0	3448078.0	4.2	60541856	35
05/14/12 - 1315	9752142.0	7.7	5940460	4.8	3485955.0	4.2	60681290	34
05/16/12 - 1045	9773012.0	8.0	5952775	4.5	3497722.0	4.5	60725925	33
05/18/12 - 1000	9795533.0	8.1	5965180	4.5	3510038.0	4.3	60770490	33
05/21/12 - 0835	9830548.0	8.5	5983607	4.5	3529191.0	4.5	60838980	31

**Table 1 (continued)**  
**Groundwater Extraction System Operation Summary**  
**March 2012**

Well ID	Flow Meter Readings							
	GW-2/GW-13		GW-15		GW-16		Discharge Total <sup>1</sup>	
Date - Time	Volume (gal)	Flow (gpm <sup>2</sup> )	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)	Volume (gal)	Flow (gpm)
05/23/12 - 0810	9855217.0	8.8	5996372	5	3540538.5	4.3	60884785	30
5/24/12 - 1310 <sup>4</sup>	9870350.9	8.8	6003944	4.5	3547862.5	4.4	60913590	29
05/29/12 -1105	9934634.6	9.1	6035070	4.5	3578484.3	4.4	61030700	35
05/31/12 - 1005	9960533.0	9.2	6046952	4.5	3590215.4	4.3	61076650	34
<b>Total Volume (Gal) Removed from Well</b>	<b>274,630.3</b>		<b>157,145.0</b>		<b>147,707.8</b>		<b>551,661.0</b>	

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. Replaced bag filters.

4. Replaced MX-7 filters.

### Vapor Extraction System

The vapor extraction system operated continuously during the month of May except for scheduled maintenance as noted in Table 2. Taking into account the planned and scheduled downtime, the system operated for an estimated 99.6 percent during the reporting month. 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.

**Table 2**  
**Vapor Extraction System Operation Summary**  
**May 2012**

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)
05/02/12 - 0845	9831.1	155	112	19	90	12	88	8	82
05/04/12 - 0826 <sup>1</sup>	9878.9	155	113	19	91	12	90	8	81
05/08/12 - 0855	9975.4	151	118	18	100	12	92	8	90
05/10/12 - 0900 <sup>1</sup>	10023.4	116	119	19	96	12	92	7	88
05/14/12 - 1310 <sup>2</sup>	10123.5	116	141	20	92	14	88	8	80

Mr. Cho

Remedial System Operational Summary Report for May 2012

**Table 2 (continued)**  
**Vapor Extraction System Operation Summary**  
**May 2012**

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)
05/15/12 - 1409 <sup>3</sup>	10145.5	154	120	21	109	14	99	9	98
05/18/12 - 1010 <sup>1</sup>	10213.4	155	116	21	100	14	92	9	88
05/21/12 - 0845	10283.9	155	112	21	96	14	93	8	90
05/23/12 - 0815	10331.5	153	113	21	98	14	90	9	88
05/24/12 - 1220 <sup>1</sup>	10359.6	154	119	21	102	14	96	9	91
05/29/12 - 0:00	10478.4	152	128	21	118	14	102	9	100
5/31/12 - 0925 <sup>1,4</sup>	10524.6	155	122	21	110	14	96	9	92

**Footnotes:**

1. VES weekly PID readings taken.
2. Opened dilution valve to lower blower temperature.
3. Shutdown system from 1020 to 1330 to change out blower oil.
4. Monthly compliance samples collected.

cfm-cubic feet per minute.

In w.c. - Pressure measured in inches of water column.

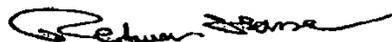
"Hg-Pressure measured in inches of mercury.

psi-Pressure measured in pounds per square inch.

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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