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June 17, 2010

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

Re: 2010 Second Quarter Groundwater Monitoring Results
DFSP Norwalk Facility, Norwalk
NPDES No. CAC834001
File No. 90-02

Dear Mr. Cho:

Parsons is transmitting the groundwater monitoring results for the 2010 second quarter semiannual event at the DFSP Norwalk Facility in Norwalk, California. A summary of the results is presented here and the details, including field and laboratory reports, will be included in the first 2010 semiannual report currently being prepared by AMEC Geomatrix, Inc.

Groundwater gauging, monitoring, sample collection, and laboratory analyses were performed in accordance with the sampling plan. Field activities included measuring water levels and free product thicknesses and purging and sampling of the designated wells. Forty eight wells were purged and sampled between April 12 through 19, 2010. Wells sampled by Blaine Tech on behalf of Parsons were purged and sampled using low-flow methods in general conformance with ASTM D6771-02. All purged groundwater was transferred to the onsite groundwater treatment system.

All groundwater samples were labeled, entered onto a chain-of-custody form, and delivered to Calscience Environmental Laboratories, Inc., a State-certified analytical laboratory in Garden Grove, California. Groundwater samples were analyzed using U.S. Environmental Protection Agency (EPA) Method 8015 modified for total petroleum hydrocarbons (TPH) as jet propellant 5 (TPH at JP5). Groundwater samples were also analyzed for volatile organic compounds (VOCs) using EPA Method 8260B, which includes methyl-t-butyl ether (MTBE) and oxygenates. Some selected samples were also analyzed for TPH as gasoline (TPHg). Table 1 presents a summary of the analytes detected in the sampled wells. Table 2 presents a summary of miscellaneous compounds detected in groundwater.

TPH was not detected in groundwater samples collected from the Exposition aquifer monitoring wells, EXP-1, EXP-2, or EXP-3. However, as shown on Table 1, there were two VOCs detected below the reporting limit at low concentrations and the results were flagged. These are most-likely anomalies and will be confirmed during next sampling event.

TPH as JP5 was detected in 21 of the sampled wells, with GMW-18 indicating the highest concentration at 7,200 micrograms per liter (µg/L). At GMW-18, the concentration is the highest TPH as JP-5 concentration detected since October 2008 (when analysis of TPH as JP-5 was commenced). GMW-18 will be sampled during the third quarter sentry event. TPHg was analyzed and detected at six wells, with a maximum concentration of 3,000 J µg/L at GMW-59.

Benzene was detected in fifteen wells sampled, with the highest concentration present in GMW-62 (1,600 µg/L) which is lower than the previous quarter (January 2010). GMW-62 also contained the highest concentrations of ethylbenzene (26 µg/L) and xylenes (45 µg/L). Toluene was detected in five wells at low concentrations. MTBE was detected in nineteen wells with the highest concentration of 21 µg/L at GMW-19. TBA was detected in seventeen wells with the highest concentration of 2,200 µg/L at GMW-35.

The information presented in this letter-report will also be included in the 2010 first semiannual groundwater monitoring report for the site. 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

Attachments: Table 1 – Groundwater Elevations
Table 2 – Summary of Groundwater Analytical Data
Table 3 – Summary of Miscellaneous Compounds Detected in Groundwater

Distribution:

Mr. Kola Olowu, DESC-FQ
Lt. Col. Jon Ramer, DESC
Mr. Tim Whyte, URS
Ms. Adriana Figueroa, City of Norwalk
Mr. Thomas Lynch, City of Norwalk
Mr. Norman Dupont, City of Norwalk Attorney
Mr. Charles Emig, City of Cerritos
Ms. Shiow-Whei Chou, AMEC Geomatrix
Mr. Steve Defibaugh, KMEP
Ms. Mary Lucas, Parsons
Office of Congresswoman Grace Napolitano

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

Table 1
Groundwater Elevations
Second Quarter 2010 Semiannual Event
Defense Fuel Support Point, Norwalk
Norwalk, California

Well	Date	Casing Diameter (inches)	Casing Elevation (ftmsl)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Groundwater Elevation (ftmsl)
EXP-1	4/7/2010	4	78.44	--	55.29	--	23.15
EXP-2	4/7/2010	4	79.43	--	55.52	--	23.91
EXP-3	4/7/2010	4	77.58	--	54.36	--	23.22
GMW-5	4/7/2010	4	77.61	--	30.35	--	47.26
GMW-6	4/7/2010	4	77.31	--	29.74	--	47.57
GMW-7	4/8/2010	4	75.84	--	28.90	--	46.94
GMW-12	4/8/2010	4	75.21	--	27.17	--	48.04
GMW-15	4/8/2010	4	76.21	--	28.51	--	47.70
GMW-16	4/7/2010	4	77.00	--	29.68	--	47.32
GMW-17	4/8/2010	4	74.66	--	25.92	--	48.74
GMW-18	4/8/2010	4	75.36	--	27.30	--	48.06
GMW-19	4/8/2010	4	76.83	--	29.05	--	47.78
GMW-21	4/7/2010	4	76.23	--	28.81	--	47.42
GMW-31	4/8/2010	4	76.50	--	28.91	--	47.59
GMW-32	4/8/2010	4	74.62	--	26.61	--	48.01
GMW-33	4/7/2010	4	74.88	--	26.82	--	48.06
GMW-35	4/8/2010	4	76.12	--	27.07	--	49.05
GMW-40	4/8/2010	4	73.13	--	25.31	--	47.82
GMW-41	4/8/2010	4	74.46	--	26.64	--	47.82
GMW-42	4/7/2010	4	75.50	--	27.60	--	47.90
GMW-43	4/8/2010	4	74.44	--	26.52	--	47.92
GMW-44	4/8/2010	4	74.45	--	26.77	--	47.68
GMW-45	4/7/2010	4	75.67	--	28.22	--	47.45
GMW-48	4/7/2010	4	75.03	--	26.40	--	48.63
GMW-50	4/7/2010	4	75.51	--	27.68	--	47.83
GMW-51	4/7/2010	4	75.93	--	28.08	--	47.85
GMW-52	4/8/2010	4	75.03	--	26.71	--	48.32
GMW-53	4/8/2010	4	74.90	26.83	26.84	0.01	48.07
GMW-54	4/8/2010	4	75.16	--	27.25	--	47.91
GMW-55	4/8/2010	4	74.60	--	26.66	--	47.94
GMW-56	4/7/2010	4	76.52	--	29.08	--	47.44
GMW-57	4/7/2010	4	76.66	--	29.05	--	47.61
GMW-59	4/7/2010	4	75.28	--	26.12	--	49.16
GMW-60	4/7/2010	4	76.24	--	28.54	--	47.70
GMW-61	4/7/2010	4	75.60	--	27.67	--	47.93
GW-1	4/7/2010	1	75.46	--	29.76	--	45.70
GW-2	4/7/2010	1	76.39	--	29.45	--	46.94
GW-3	4/7/2010	1	76.56	--	55.57	--	20.99
GW-4	4/7/2010	1	74.77	--	28.12	--	46.65
GW-5	4/7/2010	4	76.99	--	29.88	--	47.11
GW-6	4/7/2010	4	76.38	--	30.21	--	46.17
GW-7	4/8/2010	1	76.76	--	29.04	--	47.72
GW-8	4/7/2010	4	76.15	--	29.04	--	47.11
GW-13	4/7/2010	1	77	--	30.08	--	46.92
GW-14	4/8/2010	6	76.54	--	28.70	--	47.84
GW-15	4/8/2010	1	75.36	27.74	29.43	1.69	47.35
MW-10	4/7/2010	4	79.12	--	32.00	--	47.12
MW-11	4/7/2010	4	78.17	--	30.72	--	47.45
MW-12	4/8/2010	4	75.76	--	27.93	--	47.83

Table 1
Groundwater Elevations
Second Quarter 2010 Semiannual Event
Defense Fuel Support Point, Norwalk
Norwalk, California

Well	Date	Casing Diameter (inches)	Casing Elevation (ftmsl)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Groundwater Elevation (ftmsl)
MW-13	4/7/2010	4	78.25	--	30.83	--	47.42
MW-14	4/7/2010	4	78.60	--	31.79	--	46.81
MW-16	4/8/2010	4	76.87	--	28.71	--	48.16
MW-17	4/7/2010	4	77.86	--	29.92	--	47.94
MW-22 (MID)	4/7/2010	4	79.57	--	34.02	--	45.55
MW-23 (MID)	4/7/2010	4	79.59	--	32.29	--	47.30
MW-24	4/7/2010	4	78.51	--	31.62	--	46.89
MW-25	4/7/2010	4	79.15	--	32.29	--	46.86
MW-26	4/7/2010	4	77.40	--	30.24	--	47.16
MW-27	4/7/2010	4	78.46	--	30.95	--	47.51
MW-28	4/8/2010	4	78.53	--	30.58	--	47.95
MW-29	4/8/2010	4	79.13	--	31.04	--	48.09
PZ-4	4/8/2010	2	76.13	--	28.41	--	47.72
TF-8	4/8/2010	1.5	75.60	--	28.32	--	47.28
TF-10	4/8/2010	4	73.61	--	25.75	--	47.86
TF-11	4/8/2010	1.5	74.95	--	27.11	--	47.84
TF-13	4/8/2010	1.5	75.90	--	28.14	--	47.76
TF-14	4/8/2010	1.5	74.78	--	26.92	--	47.86
TF-15	4/8/2010	1.5	75.40	--	27.43	--	47.97
TF-16	4/8/2010	1.5	76.48	--	27.06	--	49.42
TF-17	4/8/2010	4	74.88	26.76	26.78	0.02	48.12
TF-18	4/8/2010	4	73.94	25.70	25.73	0.03	48.24
TF-19	4/8/2010	1.5	75.61	--	27.48	--	48.13
TF-20	4/8/2010	4	75.08	--	27.59	--	47.49
TF-21	4/8/2010	1.5	75.60	--	27.30	--	48.30
TF-22	4/8/2010	1.5	74.95	--	28.24	--	46.71
TF-23	4/8/2010	4	75.31	--	27.20	--	48.11
TF-24	4/7/2010	4	76.43	--	29.20	--	47.23
TF-25	4/8/2010	1.5	74.85	--	27.95	--	46.90
TF-26	4/7/2010	1.5	75.85	--	28.11	--	47.74
VS-3 (Shallow)	4/8/2010	--	--	--	26.48	--	--
VS-3 (Deep)	4/8/2010	--	--	--	27.10	--	--
VE-01	4/8/2010		77.70	--	30.02	--	47.68
VE-02	4/7/2010		77.26	--	30.36	--	46.90

Table 2
Summary of Groundwater Analytical Data
Second Quarter 2010 Semiannual Event
Defense Fuel Support Point, Norwalk
Norwalk, California

Results reported in micrograms per liter (µg/L)

Well	Sample Date	TPH as JP5[1]	TPHg[2]	Benzene	Toluene	Ethyl-benzene	O-xylene	P/M-xylene	1,2-DCA[3]	MTBE[4]	TBA[5]
EXP-1	12-Apr-10	< 100[6]	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.44 J**	< 10
EXP-2	12-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
EXP-3	12-Apr-10	< 100	--	**0.31 J**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
GMW-6	12-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	**7.2**	< 10
GMW-12	15-Apr-10	**400 J**	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 10
GMW-14	16-Apr-10	**1500**	--	**160**	< 0.5	**2.6**	**0.45 J**	**2.5**	< 0.5	**13**	**15**
GMW-15	15-Apr-10	**760 J**	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	**5.7**	< 10
GMW-16	12-Apr-10	**110 J**	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 10
GMW-17	14-Apr-10	**1900**	**1200 J**	**59**	**0.34 J**	**5.5**	< 0.5	**2**	--	< 0.5	< 10
GMW-18	16-Apr-10	**7200**	**1500 J**	**80**	**0.84**	**0.49 J**	**0.37 J**	**1.2**	--	**7.3**	**43**
GMW-19	16-Apr-10	**300**	--	**130 J**	< 0.5	**0.66**	< 0.5	< 0.5	--	**21 J**	**12**
GMW-31	14-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	**4.6 J**
GMW-32	16-Apr-10	**230**	--	< 0.5	< 0.5	**0.41 J**	< 0.5	< 0.5	--	< 0.5	< 10
GMW-35	16-Apr-10	**1900**	--	**180**	**0.88 J**	**1.5**	**0.7 J**	< 1	--	**13**	**2200**
GMW-40	14-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 10
GMW-41	14-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	**0.33 J**	**5.7 J**
GMW-43	15-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 10
GMW-44	15-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	--	< 0.5	< 10
GMW-45	12-Apr-10	**1700 J**	--	**85**	< 0.5	**2.6**	**0.28 J**	< 0.5	--	< 0.5	**11**
GMW-47	19-Apr-10	**930**	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	< 0.50	**13**
GMW-56	12-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
GMW-57	12-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
GMW-58	19-Apr-10	**300**	--	**12**	< 0.50	< 0.50	< 0.50	< 0.50	--	**0.81**	**5.7 J**
GMW-58 DUP[7]	19-Apr-10	**210**	--	**12**	< 0.50	< 0.50	< 0.50	< 0.50	--	**0.77**	**4.4 J**
GMW-59	19-Apr-10	**1700**	**2900 J**	**570**	< 0.50	**1.9**	< 0.50	< 0.50	--	**2.3**	**11**
GMW-59 DUP	19-Apr-10	**2600**	**3000 J**	**510**	< 0.50	**1.9**	< 0.50	< 0.50	--	**2.3**	**13**
GMW-60	13-Apr-10	**1300**	**1900 J**	**580**	< 0.5	**8.7**	**0.26 J**	< 0.5	< 0.5	< 0.5	< 10
GMW-61	15-Apr-10	**500**	**740 J**	**380 J**	< 0.5	**1.7 J**	< 0.5	< 0.5	< 0.5	< 0.5	**3.7 J**
GMW-62	14-Apr-10	**430**	**2400 J**	**1600**	**0.6**	**26**	**12**	**33**	< 0.5	< 0.5	< 10
GMW-63	14-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
GMW-64	14-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
GMW-65	14-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
GMW-66	19-Apr-10	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	< 0.50	< 10
GW-3	15-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**18**
GW-6	13-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.76**	< 10
GW-13	13-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**7.4**	**12**	**16**
GW-16	19-Apr-10	< 100	--	< 0.50	< 0.50	**2.6**	< 0.50	< 0.50	--	< 0.50	< 10
MW-11	14-Apr-10	**700**	--	< 0.5	< 0.5	**0.58**	< 0.5	< 0.5	--	**3.8**	< 10
MW-13	19-Apr-10	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	--	< 0.50	< 10
MW-14	13-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.4 J**	**4.3**	< 10
MW-16	16-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
MW-17	16-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
MW-22 MID	13-Apr-10	**220 J**	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**11**	**8.7**	**23**
MW-24	13-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 10
MW-25	13-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**10**	**2.7**	< 10
MW-26	13-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.66**	< 10
MW-27	13-Apr-10	< 100	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**7.5 J**
PZ-3	15-Apr-10	**1600**	--	**2.2**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**0.74**	< 10
TF-16	15-Apr-10	**1000**	--	**10**	< 0.5	**0.38 J**	< 0.5	< 0.5	--	**3.5**	**8.2 J**
TF-21	16-Apr-10	**1100**	--	**120**	**0.37 J**	**1.1**	**0.37 J**	**0.79**	--	< 0.5	**15**

Notes:

[1]TPH as JP5 = total petroleum hydrocarbons against a jet propellant 5 standard.

[2]TPHg = total petroleum hydrocarbons against a gasoline standard.

[3]1,2-DCA = 1,2-Dichloroethane.

[4]MTBE = Methyl tert-butyl ether.

[5]TBA = Tert-butyl alcohol.

[6]< 100 = compound not detected at or above the indicated reporting limit.

[7]Dup = duplicate.

Table 3
Summary of Miscellaneous Compounds Detected in Groundwater
Second Quarter 2010 Semiannual Event
Defense Fuel Support Point, Norwalk
Norwalk, California

Results reported in micrograms per liter (µg/L)

Well	Sample Date	1,1-Dichloroethane	1,2,3-Trichlorobenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	c-1,2-Dichloroethene	Carbon disulfide	Chloromethane	Diisopropyl Ether (DIPE)	Isopropylbenzene	Naphthalene	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	Tert-Amyl-Methyl Ether (TAME	tert-Butylbenzene	Trichloroethene
GMW-14	16-Apr-10	**0.44 J**	< 1[1]	**1.3**	**0.83 J**	**0.78 J**	< 10	< 5	< 2	**21**	**16**	**0.87 J**	**17**	< 1	**2.8**	**0.79 J**	**0.79 J**	**0.46 J**
GMW-19	16-Apr-10	--	--	--	--	--	--	--	< 2	--	--	--	--	--	--	**0.52 J**	--	--
GMW-57	12-Apr-10	< 1	< 1	< 1	< 1	< 1	< 10	< 5	< 2	**0.24 J**	< 10	< 1	< 1	< 1	< 1	< 2	< 1	< 1
GMW-60	13-Apr-10	< 1	**0.44 J**	**0.28 J**	< 1	< 1	< 10	< 5	< 2	**64**	**110**	**2.6**	**61**	< 1	**9.8**	< 2	**1.1**	< 1
GMW-61	15-Apr-10	< 1	< 1	< 1	< 1	< 1	**5.6 J**	< 5	< 2	**29 J**	**7.3 J**	**1.5 J**	**24 J**	< 1	**3.5 J**	< 2	**0.48 J**	< 1
GMW-62	14-Apr-10	**0.8 J**	< 1	**8.9**	**0.66 J**	< 1	< 10	**1 J**	< 2	**12**	< 10	**0.47 J**	**8.3**	**0.9 J**	**1.5**	< 2	< 1	< 1
GW-13	13-Apr-10	< 1	< 1	< 1	< 1	< 1	< 10	< 5	**1.5 J**	< 1	< 10	< 1	< 1	< 1	< 1	< 2	< 1	< 1
MW-22 MID	13-Apr-10	< 1	< 1	< 1	< 1	< 1	< 10	< 5	**1.8 J**	< 1	< 10	< 1	< 1	< 1	< 1	< 2	< 1	< 1
MW-25	13-Apr-10	< 1	< 1	< 1	< 1	< 1	< 10	< 5	**2.5**	< 1	< 10	< 1	< 1	< 1	< 1	< 2	< 1	< 1
PZ-3	15-Apr-10	< 1	< 1	< 1	< 1	< 1	< 10	< 5	< 2	**0.9**	< 10	< 1	< 1	< 1	**0.3 J**	< 2	< 1	< 1
TF-16	15-Apr-10	--	--	--	--	--	--	--	< 2	--	--	--	--	--	--	**0.42 J**	--	--

Notes:
[1]<1.0 = compound not detected at or above the indicated reporting limit.