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October 11, 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 Third 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 third quarter sentry 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 second 2010 semiannual report that will be prepared by Parsons and include the KMEP data.

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. Ninety wells have been gauged for groundwater levels and free product. Groundwater elevations and LNAPL thickness are presented in Table 1.

In addition, fifteen wells were purged and sampled on July 12 and 13, 2010. Wells sampled by Blaine Tech Services, Inc. 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 as 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 2 presents a summary of analytical results for TPH, BTEX, and MTBE detected in the sampled wells. Table 3 presents a summary of miscellaneous VOC 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 2, there was one detection of

MTBE in EXP-3 at 0.39 micrograms per liter (µg/L). This detection is most-likely not a true result but either a cross-contamination issue or lab anomaly. This well will be sampled again in the 4th quarter.

TPH as JP5 was detected in eight of the sampled wells, with GMW-62 indicating the highest concentration at 2,600 µg/L. The detected TPH as JP5 concentration of 2,600 µg/L is higher comparing to concentration reported during previous semi-annual sampling report (430 µg/L in April 14, 2010). TPHg was analyzed and detected at four wells, with a maximum concentration of 4,600J µg/L at GMW-62, which is also higher than the previous quarter. GMW-62 is sampled quarterly.

Benzene was detected in seven wells sampled, with the highest concentration present in GMW-62 (1,000 µg/L) which is lower than the previous quarter (April 2010). GMW-62 also contained the highest concentrations of toluene (0.49 µg/L), ethylbenzene (200 µg/L) and total xylenes (159 µg/L). MTBE was detected in four wells with the highest concentration of 3.5 µg/L at MW-14. TBA was detected in two wells with concentrations of 13 µg/L and 8.2 µg/L (9.4 µg/L in a field duplicate) in wells GMW-47 and GMW-59, respectively.

Other VOCs detected during this sampling quarter included 1,1-dichloroethane, 1,2-dichloropropane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethanol, diisopropyl ether, isopropylbenzene, naphthalene, n-butylbenzene, n-propylbenzene, p-isopropylbenzene, sec-butylbenzene, and tert-butylbenzene. Summary of miscellaneous VOC compounds detected is presented in Table 3.

The information presented in this letter-report will also be included in the 2010 second 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,

Redwan Hassan

Redwan Hassan, PG
Project Manager
PARSONS

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
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Mr. Thomas Lynch, City of Norwalk
Mr. Norman Dupont, City of Norwalk Attorney
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Ms. Mary Lucas, Parsons
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Table 1
Groundwater Elevations
Third Quarter 2010 Sentry 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	7/8/2010	4	78.44	--	55.77	--	22.67
EXP-2	7/9/2010	4	79.43	--	56.12	--	23.31
EXP-3	7/8/2010	4	77.58	--	54.89	--	22.69
GMW-5	7/8/2010	4	77.61	--	30.46	--	47.15
GMW-6	7/8/2010	4	77.31	--	29.87	--	47.44
GMW-7	7/8/2010	4	75.84	--	28.46	--	47.38
GMW-11	7/8/2010	4	72.90	--	25.49	--	47.41
GMW-12	7/8/2010	4	75.21	--	27.3	--	47.91
GMW-14	7/8/2010	4	74.72	--	26.99	--	47.73
GMW-15	7/8/2010	4	76.21	Sheen	28.81	0.00	47.40
GMW-16	7/9/2010	4	77.00	--	29.85	--	47.15
GMW-17	7/8/2010	4	74.66	--	26.35	--	48.31
GMW-18	7/8/2010	4	75.36	--	27.69	--	47.67
GMW-19	7/8/2010	4	76.83	--	29.41	--	47.42
GMW-20	7/8/2010	4	75.10	--	27.49	--	47.61
GMW-21	7/9/2010	4	76.23	--	--	--	--
GMW-31	7/8/2010	4	76.50	--	29.24	--	47.26
GMW-32	7/8/2010	4	74.62	--	26.91	--	47.71
GMW-33	7/8/2010	4	74.88	--	27.23	--	47.65
GMW-34	7/8/2010	4	75.25	--	27.52	--	47.73
GMW-35	7/8/2010	4	76.12	--	28.56	--	47.56
GMW-40	7/9/2010	4	73.13	--	25.66	--	47.47
GMW-42	7/8/2010	4	75.50	--	28.01	--	47.49
GMW-43	7/8/2010	4	74.44	--	26.98	--	47.46
GMW-44	7/8/2010	4	74.45	--	27.18	--	47.27
GMW-45	7/8/2010	4	75.67	--	28.31	--	47.36
GMW-47	7/8/2010	4	75.98	--	28.55	--	47.43
GMW-48	7/8/2010	4	75.03	--	26.68	--	48.35
GMW-49	7/8/2010	4	74.75	Sheen	26.14	0.00	48.61
GMW-50	7/8/2010	4	75.51	--	27.92	--	47.59
GMW-51	7/8/2010	4	75.93	--	28.33	--	47.60
GMW-52	7/8/2010	4	75.03	--	27.21	--	47.82
GMW-53	7/8/2010	4	74.90	--	27.1	--	47.80
GMW-54	7/8/2010	4	75.16	--	27.53	--	47.63
GMW-55	7/8/2010	4	74.60	--	27.03	--	47.57
GMW-56	7/8/2010	4	76.52	--	29.13	--	47.39
GMW-57	7/8/2010	4	76.66	--	29.2	--	47.46
GMW-58	7/8/2010	4	75.48	--	27.22	--	48.26
GMW-59	7/8/2010	4	75.28	--	26.45	--	48.83
GMW-60	7/8/2010	4	76.24	--	28.72	--	47.52
GMW-61	7/8/2010	4	75.60	--	27.97	--	47.63
GMW-62	7/9/2010	4	76.34	Sheen	28.65	0.00	47.69
GMW-63	7/9/2010	4	77.32	--	29.74	--	47.58
GMW-64	7/8/2010	4	75.84	--	27.91	--	47.93
GMW-65	7/9/2010	4	76.78	--	29.16	--	47.62
GMW-66	7/8/2010	4	77.00	--	29.57	--	47.43
GW-1	7/9/2010	1	75.46	--	29.24	--	46.22
GW-2	7/9/2010	1	76.39	--	--	--	--
GW-4	7/9/2010	1	74.77	--	--	--	--

Table 1
Groundwater Elevations
Third Quarter 2010 Sentry 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)
GW-5	7/9/2010	4	76.99	--	30.05	--	46.94
GW-6	7/9/2010	4	76.38	--	29.34	--	47.04
GW-7	7/8/2010	1	76.76	--	27.89	--	48.87
GW-8	7/9/2010	4	76.15	--	29.19	--	46.96
GW-13	7/9/2010	1	77	--	30.22	--	46.78
GW-14	7/8/2010	6	76.54	--	29.13	--	47.41
GW-15	7/9/2010	1	75.36	Sheen	28.14	0.00	47.22
GW-16	7/8/2010	6	76.33	--	28.89	--	47.44
GW-16P	7/8/2010	1	76.55	--	29.18	--	47.37
MW-10	7/9/2010	4	79.12	--	32.15	--	46.97
MW-11	7/8/2010	4	78.17	--	30.94	--	47.23
MW-12	7/8/2010	4	75.76	--	28.25	--	47.51
MW-13	7/8/2010	4	78.25	Sheen	30.89	0.00	47.36
MW-14	7/9/2010	4	78.60	--	31.91	--	46.69
MW-16	7/8/2010	4	76.87	--	29.1	--	47.77
MW-17	7/8/2010	4	77.86	--	30.26	--	47.60
MW-22 (MID)	7/9/2010	4	79.57	--	34.16	--	45.41
MW-23 (MID)	7/9/2010	4	79.59	--	32.39	--	47.20
MW-24	7/9/2010	4	78.51	--	31.78	--	46.73
MW-25	7/9/2010	4	79.15	--	32.38	--	46.77
MW-26	7/9/2010	4	77.40	Sheen	30.38	0.00	47.02
MW-27	7/9/2010	4	78.46	--	31.19	--	47.27
MW-28	7/8/2010	4	78.53	--	30.97	--	47.56
MW-29	7/8/2010	4	79.13	--	31.48	--	47.65
PZ-3	7/8/2010	2	76.17	--	28.73	--	47.44
PZ-4	7/8/2010	2	76.13	--	28.73	--	47.40
TF-8	7/8/2010	4	74.86	Sheen	27.71		47.15
TF-9	7/8/2010	4	74.47	--	26.96		47.51
TF-10	7/8/2010	4	73.61	--	26.12	--	47.49
TF-11	7/8/2010	4	74.40	--	27.49	--	46.91
TF-13	7/8/2010	4	75.47	--	28.49	--	46.98
TF-14	7/8/2010	4	74.35	--	27.29	--	47.06
TF-15	7/8/2010	4	74.78	--	27.89	--	46.89
TF-16	7/8/2010	4	75.89	--	28.39	--	47.50
TF-17	7/8/2010	4	74.88	Sheen	27.44	0.00	47.44
TF-19	7/8/2010	4	75.61	--	27.94	--	47.67
TF-20	7/9/2010	1.5	75.59	--	28.31	--	47.28
TF-21	7/9/2010	4	75.60	--	27.34	--	48.26
TF-22	7/8/2010	1.5	74.95	--	26.44	--	48.51
TF-23	7/8/2010	4	75.31	--	27.51	--	47.80
TF-24	7/9/2010	4	76.43	--	29.36	--	47.07
TF-25	7/8/2010	4	74.85	--	27.49	--	47.36
TF-26	7/9/2010	4	75.85	--	--	--	--
WCW-1	7/9/2010	4	72.86	--	25.43	--	47.43
WCW-5	7/9/2010	4	73.49	--	25.96	--	47.53
WCW-6	7/9/2010	4	75.52	--	28.35	--	47.17

Table 2
Summary of Groundwater Analytical Data
Third Quarter 2010 Sentry 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	7/12/2010	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
EXP-2	7/12/2010	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
EXP-3	7/12/2010	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.39**	< 10
GMW-47	7/13/2010	**1400**	--	**0.45**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**13**
GMW-57	7/13/2010	**100**	--	**0.44**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
GMW-58	7/13/2010	**280**	--	**4.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.41**	< 10
GMW-58 DUP	7/13/2010	**380**	--	**4.8**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**0.4**	< 10
GMW-59	7/13/2010	**1600**	**2400 J**	**210**	< 1.0	**0.77**	< 1.0	< 1.0	< 1.0	**1.2**	**8.2**
GMW-59 DUP	7/13/2010	**1400**	--	**210**	< 1.0	**0.82**	< 1.0	< 1.0	< 1.0	**1.4**	**9.4**
GMW-60	7/13/2010	**1200**	**3100 J**	**700**	< 0.50	**12**	< 0.50	< 0.50	< 0.50	< 0.50	< 10
GMW-61	7/13/2010	**710**	**970 J**	**320**	**0.46**	**1.2**	**0.54**	< 0.50	< 0.50	< 0.50	< 10
GMW-62	7/12/2010	**2600**	**4600 J**	**1000**	**0.49**	**200**	**99**	**60**	< 0.50	< 0.50	< 10
GMW-63	7/13/2010	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
GMW-64	7/12/2010	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
GMW-65	7/12/2010	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 10
MW-14	7/12/2010	< 100	--	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	**3.5**	< 10
MW-22 MID	7/12/2010	**100 J**	--	--	--	--	--	--	--	--	--

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 VOC Compounds Detected in Groundwater
Third Quarter 2010 Sentry Event
Defense Fuel Support Point, Norwalk
Norwalk, California

Results reported in micrograms per liter (µg/L)

Well	Sample Date	1,1-Dichloroethane	1,2-Dichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Ethanol	Diisopropyl Ether (DIPE)	Isopropylbenzene	Naphthalene	n-Butylbenzene	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene
EXP-1	7/12/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	< 2.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
EXP-2	7/12/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	< 2.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
EXP-3	7/12/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	< 2.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
GMW-47	7/13/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	< 2.0	**4.9**	< 10	< 1.0	< 1.0	< 1.0	**0.69**	**0.45**
GMW-57	7/13/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	< 2.0	**0.75**	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
GMW-58	7/13/2010	**0.71**	< 1.0	< 1.0	< 1.0	< 100	< 2.0	**3.1**	< 10	< 1.0	< 1.0	< 1.0	**0.34**	< 1.0
GMW-58 DUP	7/13/2010	**0.71**	< 1.0	< 1.0	< 1.0	< 100	< 2.0	**3.2**	< 10	< 1.0	< 1.0	< 1.0	**0.36**	< 1.0
GMW-59	7/13/2010	< 2.0	< 2.0	< 2.0	< 2.0	< 200	< 4.0	**30**	**6.9**	**1.2**	**28**	< 2.0	**3.7**	**0.66**
GMW-59 DUP	7/13/2010	< 2.0	< 2.0	< 2.0	< 2.0	< 200	< 4.0	**31**	**6.9**	**1.2**	**29**	< 2.0	**3.7**	**0.69**
GMW-60	7/13/2010	< 1.0	**3.9**	< 1.0	< 1.0	**53**	< 2.0	**96**	**120**	**4.1**	**95**	< 1.0	**13**	**1.3**
GMW-61	7/13/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	< 2.0	**68**	< 10	**2.7**	**51**	< 1.0	**9.3**	**0.91**
GMW-62	7/12/2010	**0.44**	< 1.0	**270**	**83**	< 100	< 2.0	**78**	**41**	< 1.0	**53**	**13**	**13**	< 1.0
GMW-63	7/13/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	< 2.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
GMW-64	7/12/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	< 2.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
GMW-65	7/12/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	< 2.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-14	7/12/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	< 2.0	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
MW-22 MID	7/12/2010	< 1.0	< 1.0	< 1.0	< 1.0	< 100	**2.6**	< 1.0	< 10	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

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