



Transmittal

Sent Via: Messenger U.S. Mail Overnight Mail

Date: June 30, 2010
To: Mr. Paul Cho, PG
California Regional Water Quality
Control Board – Los Angeles
Region (RWQCB)
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Los Angeles, CA 90013

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Project Number: 0016030440.0000C
Project Name: Defense Fuel Support Point (DFSP) Norwalk

| Item | Description |
|------|--|
| 1 | Table 1 - Summary of Groundwater Elevations, May 2010 Monthly Monitoring Event |
| 2 | Table 2 - Summary of Groundwater Analytical Data, May 2010 Monthly Monitoring Event |
| 3 | Table 3 - Summary of Total Fluids and Groundwater Extraction Pump Operation, May 2010 Monthly Monitoring Event |

Remarks

On behalf of SFPP, L.P., an operating partnership of Kinder Morgan Energy Partners, L.P. (KMEP), AMEC Geomatrix, Inc. (AMEC), is transmitting the groundwater monitoring results for the May 2010 monthly monitoring event conducted at the DFSP Norwalk site. The May 2010 monthly monitoring event was concurrently conducted with the first semi-annual 2010 monitoring event. Groundwater elevations and historical analytical data for wells monitored during this monthly monitoring event are summarized in Table 1 and Table 2, respectively, and are briefly discussed below. The operation of SFPP's extraction wells during May 2010 is summarized in Table 3.

- 1) During this monthly monitoring event, Blaine Tech Services, Inc., on behalf of SFPP, gauged and sampled groundwater monitoring wells GMW-36, GMW-O-15, GMW-O-16, GMW-O-18, GMW-O-19, and PZ-5 located in the southeastern offsite area.
- 2) Groundwater elevations have generally decreased (approximately 0.2 to 2.6 feet) in the area since the April 2010 monitoring event; one well indicated a slight increase in groundwater elevation (less than 0.1 feet in GMW-O-16). The groundwater extraction system was shut down for maintenance on May 21, 2010 and restarted on May 24, 2010. The system was shut down again on May 25, 2010 for the semi-annual groundwater monitoring event and restarted on June 1, 2010. Depths to groundwater in monitoring wells were measured on May 24, 2010 prior to sampling and re-measured on May 28, 2010 after the sampling event. These groundwater levels may not reflect the static water level conditions.
- 3) Wells GMW-36 and GMW-O-15 are used for total fluids extraction (TFE) but also have been used to monitor groundwater conditions within the extent of free product in the southeastern area. Free product has historically been detected in both of these wells. During this



monitoring event, free product was detected in well GMW-36 and thus this well was not sampled. Reported concentrations of volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH) quantified as gasoline (TPHg), and TPH quantified as fuel product (TPHfp) in the groundwater sample collected from well GMW-O-15 in May 2010 were generally similar to concentrations reported in March 2010. Reported concentrations of TPHg, TPHfp, and benzene indicated concentrations that were one order of magnitude lower than those reported in April 2010. Fluctuation in concentrations of fuel constituents in wells with a historical presence of free product is expected depending on various factors such as water level fluctuation, groundwater extraction, and sampling methods.

- 4) Wells GMW-O-16, GMW-O-18, and GMW-O-19, and PZ-5 are located outside the extent of free product and used to monitor the extent of dissolved-phase fuel constituents in groundwater in the southeastern area. Similar to the previous monthly monitoring events, VOCs, TPHg and TPHfp were not detected in wells GMW-O-16 and GMW-O-19 with one exception; a low concentration of methyl tert-butyl ether (MTBE) was detected in well GMW-O-16. MTBE was previously detected in well GMW-O-16 at a similar concentration one year ago. Reported concentrations of VOCs and TPHg in well GMW-O-18 have decreased since October 2009 with an exception of tert-butyl alcohol (TBA). The concentration of TPHfp in well GMW-O-18 has decreased since April 2010 and is similar to that observed in October 2009. To address the dissolved-phase constituents in this area, TFE was expanded to GMW-O-18 in April 2010. In addition, a work plan for additional groundwater assessment near well GMW-O-18 has been submitted to the RWQCB for review.
- 5) The TFE pumps in wells GMW-36, GMW-O-15, and GMW-O-18 are in operation in the southeastern area and continue to extract groundwater in the area for treatment. The TFE pump in well GMW-36 was temporarily off-line in May 2010 due to bio-fouling in the well. Well GMW-36 resumed operation on June 17, 2010 after this well and well GMW-O-15 was redeveloped on June 17, 2010. SFPP is in the process of resolving the electrical problems affecting the remediation system. Monthly groundwater monitoring in the southeastern area will continue and groundwater conditions will continue to be evaluated as additional groundwater monitoring and remediation system operation data are obtained.
- 6) A total of 10 equipment blank samples were collected during the combined monthly and semi-annual monitoring events. No VOCs, TPHg, or TPHfp were detected at or above laboratory reporting limits in the equipment blank sample.

Please contact Thandar Phyu or Alex Padilla at (949) 642-0245 if you have any questions.
Thank you.

Distribution List

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TABLE 1

**SUMMARY OF GROUNDWATER ELEVATIONS
MAY 2010 MONTHLY MONITORING EVENT**
Defense Fuel Support Point Norwalk
Norwalk, California

| Well | Date | Top of Casing Elevation (feet msl) | Depth to Product (feet btoc) | Depth to Water (feet btoc) | Apparent Product Thickness (feet) | Groundwater Elevation (feet msl) |
|----------|----------|------------------------------------|------------------------------|----------------------------|-----------------------------------|----------------------------------|
| GMW-36 | 03/15/10 | 74.53 | --- | 26.80 | --- | 47.73 |
| | 04/16/10 | 74.53 | --- | 26.90 | --- | 47.63 |
| | 05/24/10 | 74.53 | 25.90 | 25.96 | 0.06 | NC |
| | 05/28/10 | 74.53 | 25.88 | 25.94 | 0.06 | NC |
| GMW-O-15 | 03/15/10 | 74.23 | --- | NM ¹ | NM ¹ | NC |
| | 04/16/10 | 74.23 | --- | 23.10 | --- | 51.13 |
| | 05/24/10 | 74.23 | --- | 25.67 | --- | 48.56 |
| | 05/28/10 | 74.23 | --- | 25.35 | --- | 48.88 |
| GMW-O-16 | 03/15/10 | 74.10 | --- | 26.30 | --- | 47.80 |
| | 04/16/10 | 74.10 | --- | 25.20 | --- | 48.90 |
| | 05/24/10 | 74.10 | --- | 25.14 | --- | 48.96 |
| | 05/28/10 | 74.10 | --- | 25.13 | --- | 48.97 |
| GMW-O-18 | 03/15/10 | 74.36 | --- | 26.54 | --- | 47.82 |
| | 04/16/10 | 74.36 | --- | 24.25 | --- | 50.11 |
| | 05/24/10 | 74.36 | --- | 26.26 | --- | 48.10 |
| | 05/28/10 | 74.36 | --- | 26.03 | --- | 48.33 |
| GMW-O-19 | 03/15/10 | 74.46 | --- | 26.16 | --- | 48.30 |
| | 04/16/10 | 74.46 | --- | 25.30 | --- | 49.16 |
| | 05/24/10 | 74.46 | --- | 25.53 | --- | 48.93 |
| | 05/28/10 | 74.46 | --- | 25.47 | --- | 48.99 |
| PZ-5 | 03/15/10 | 73.97 | --- | 25.99 | --- | 47.98 |
| | 04/16/10 | 73.97 | --- | 25.12 | --- | 48.85 |
| | 05/24/10 | 73.97 | --- | 25.71 | --- | 48.26 |
| | 05/28/10 | 73.97 | --- | 25.68 | --- | 48.29 |

Notes

1. Groundwater extraction pump was in operation; depth to groundwater was not measured.

Abbreviations

--- = not detected or not applicable.

feet btoc = feet below top of casing.

feet msl = feet above mean sea level based on the National Geodetic Vertical Datum of 1929.

NC = not calculated.

NM = not measured.



TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
MAY 2010 MONTHLY MONITORING EVENT

Defense Fuel Support Point Norwalk
 Norwalk, California

Results reported in micrograms per liter (µg/L)

| Sample ID | Date | TPHg | TPHfp | Benzene | Toluene | Ethyl-benzene | Total Xylenes ¹ | 1,2-DCA | MTBE | TBA | DIPE | ETBE | TAME |
|-----------|-----------------------|---------|---------|---------|---------|---------------|----------------------------|---------|--------|------|------|------|------|
| GMW-36 | 07/10/97 | 430 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 01/09/98 | 4000 | --- | 22 | 21 | 6.1 | 100 | <5 | 7700 | --- | --- | --- | --- |
| | 05/20/98 | 1400 | --- | <0.3 | <0.3 | <10 | <20 | <0.5 | 19,600 | --- | --- | --- | --- |
| | 11/17/98 | 7900 | 6650 | 2100 | 1370 | 70 | 650 | <50 | 34,800 | --- | --- | --- | --- |
| | 05/07/99 | 2800 | --- | <10 | <10 | <10 | <10 | <25 | 14,000 | --- | --- | --- | --- |
| | 11/18/99 | 51,000 | 22,000 | 8100 | 5600 | <250 | 1770 | <250 | 47,000 | --- | --- | --- | --- |
| | 05/17/00 | 59,000 | 53,000 | 14,000 | 6700 | 480 | 4100 | <130 | 45,000 | --- | --- | --- | --- |
| | 11/30/00 | 110,000 | 66,000 | 20,000 | 19,000 | 1600 | 8100 | <0.5 | 13,000 | --- | --- | --- | --- |
| | 02/06/01 | 75,000 | 55,000 | 18,000 | 13,000 | 1400 | 6100 | <50 | 9100 | --- | --- | --- | --- |
| | 05/10/01 | 12,000 | 5100 | 3700 | 2500 | 420 | 1730 | <0.5 | 1600 | --- | --- | --- | --- |
| | 09/19/01 | 21,000 | 37,000 | 5800 | 3600 | 580 | 2080 | <13 | 1000 | --- | --- | --- | --- |
| | 11/06/01 | 63,000 | 40,000 | 16,000 | 13,000 | 1600 | 7700 | <25 | 3200 | --- | --- | --- | --- |
| | 01/30/02 | 130,000 | 68,000 | 21,000 | 20,000 | 1700 | 9000 | <125 | 42,000 | --- | --- | --- | --- |
| | 04/10/02 | 150,000 | 49,000 | 25,000 | 22,000 | 1800 | 10,000 | <50 | 67,000 | --- | --- | --- | --- |
| | 07/30/02 | 81,000 | 110,000 | 28,000 | 29,000 | 2200 | 11,800 | <50 | 37,000 | --- | --- | --- | --- |
| | 12/06/06 | 32,000 | 10,000 | 5300 | 4300 | 480 | 4300 | <50 | 1600 | --- | --- | --- | --- |
| | 03/13/07 | 54,000 | 7200 | 9400 | 12,000 | 1100 | 8200 | <200 | 3800 | --- | --- | --- | --- |
| | 05/05/07 | 69,000 | 11,000 | 9800 | 11,000 | 1200 | 8000 | <200 | 3900 | --- | --- | --- | --- |
| | 08/29/07 | 30,000 | 9800 | 4100 | 4200 | 420 | 4500 | 120 | 890 | --- | --- | --- | --- |
| | 02/20/08 | 34,000 | 9100 | 3900 | 6000 | 750 | 4600 | <50 | 43 | --- | --- | --- | --- |
| 04/16/08 | 42,000 | 11,000 | 5200 | 8300 | 940 | 6200 | <200 | <100 | --- | --- | --- | --- | |
| 10/16/08 | 17,000 | 32,000 | 2100 | 2000 | 160 | 2300 | <20 | 26 | --- | --- | --- | --- | |
| 07/22/09 | 24,000 | 15,000 | 3800 | 5400 | 720 | 3380 | <50 | 28 | <500 | <50 | <50 | <50 | |
| 03/16/10 | 8000 | 22,000 | 830 | 1100 | 140 | 700 | <10 | 16 | 690 | <10 | <10 | <10 | |
| 04/16/10 | 4200 | 25,000 | 850 | 150 | 89 | 200 | <5.0 | 11 | 3700 | <5.0 | <5.0 | <5.0 | |
| 05/24/10 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS | |
| GMW-O-15 | 10/16/08 | 1700 | 2800 | 550 | 3 | 37 | 34.1 | <5 | 110 | --- | --- | --- | --- |
| | 03/16/10 ² | 530 | 8900 | 10 | 1.1 | 0.64 | 2.7 | <0.50 | 400 | <10 | <1.0 | <1.0 | 1.9 |
| | 04/16/10 | 6700 | 62,000 | 1700 | 54 | 120 | 176 | <10 | 1300 | 1800 | <10 | <10 | 11 |
| | 05/25/10 | 650 | 5600 | 82 | 16 | 8.4 | 44 | <2.0 | 180 | 1500 | <2.0 | <2.0 | <2.0 |



TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
MAY 2010 MONTHLY MONITORING EVENT
 Defense Fuel Support Point Norwalk
 Norwalk, California
 Results reported in micrograms per liter (µg/L)

| Sample ID | Date | TPHg | TPHfp | Benzene | Toluene | Ethyl-benzene | Total Xylenes ¹ | 1,2-DCA | MTBE | TBA | DIPE | ETBE | TAME | |
|-----------|----------|------|-------|---------|---------|---------------|----------------------------|---------|-------|------|------|------|------|-----|
| GMW-O-16 | 11/27/96 | --- | --- | 570 | 67 | 14 | 360 | <5 | 120 | --- | --- | --- | --- | |
| | 07/17/97 | <100 | --- | <0.5 | <0.5 | <0.5 | <1 | <0.5 | 310 | --- | --- | --- | --- | |
| | 01/06/98 | <100 | --- | <0.5 | <0.5 | <0.5 | <1.5 | <0.5 | <5 | --- | --- | --- | --- | |
| | 01/09/98 | 4600 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | |
| | 05/20/98 | <300 | --- | <0.5 | <0.5 | <0.5 | <1 | <0.5 | 76 | --- | --- | --- | --- | |
| | 11/13/98 | <300 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.7 | --- | --- | --- | --- | |
| | 05/07/99 | <500 | --- | 0.66 | <0.5 | <0.5 | 0.72 | <1 | 7.6 | --- | --- | --- | --- | |
| | 11/18/99 | <416 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | |
| | 05/17/00 | <300 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.8 | --- | --- | --- | --- | |
| | 11/30/00 | <300 | <100 | 0.8 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.6 | --- | --- | --- | --- |
| | 05/10/01 | <300 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 04/10/02 | <300 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 10/22/02 | <300 | <100 | 1.6 | 0.98 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 04/09/03 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 10/07/03 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 04/22/04 | <50 | 3600 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 07/20/04 | --- | <100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/02/04 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 05/05/05 | 92 | <100 | 1.6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 110 | --- | --- | --- | --- |
| | 08/02/05 | 57 | <100 | 1.3 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 93 | --- | --- | --- | --- |
| | 11/02/05 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 57 | --- | --- | --- | --- |
| | 02/28/06 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 5.3 | --- | --- | --- | --- |
| | 05/04/06 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 6.3 | --- | --- | --- | --- |
| | 09/19/06 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.57 | --- | --- | --- | --- |
| | 12/05/06 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 05/05/07 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| 11/14/07 | <50 | 1400 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | |
| 02/07/08 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.68 | --- | --- | --- | --- | |
| 04/16/08 | <50 | <100 | <0.5 | 1.2 | 0.59 | 5.5 | <0.5 | <0.5 | 0.63 | --- | --- | --- | --- | |
| 10/14/08 | <50 | <100 | <0.5 | <0.5 | <0.5 | 0.6 | <0.5 | <0.5 | 0.65 | --- | --- | --- | --- | |
| 04/23/09 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.55 | <10 | <1 | <1 | <1 | |
| 10/21/09 | <50 | 250 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <1 | |
| 03/16/10 | <50 | 140 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <1.0 | <1.0 | <1.0 | |
| 04/16/10 | <50 | <100 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <1.0 | <1.0 | <1.0 | |
| 05/26/10 | <50 | 120 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | 0.88 | <10 | <1.0 | <1.0 | <1.0 | |



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MAY 2010 MONTHLY MONITORING EVENT

Defense Fuel Support Point Norwalk
 Norwalk, California

Results reported in micrograms per liter (µg/L)

| Sample ID | Date | TPHg | TPHfp | Benzene | Toluene | Ethyl-benzene | Total Xylenes ¹ | 1,2-DCA | MTBE | TBA | DIPE | ETBE | TAME |
|-----------|----------|------|-------|---------|---------|---------------|----------------------------|---------|--------|------|------|------|------|
| GMW-O-18 | 11/26/96 | --- | --- | <10 | <10 | <10 | <30 | <10 | 10,000 | --- | --- | --- | --- |
| | 11/27/96 | --- | --- | <10 | 66 | <10 | <30 | <5 | 120 | --- | --- | --- | --- |
| | 07/11/97 | <100 | --- | <3 | <3 | <3 | <3 | <3 | 3000 | --- | --- | --- | --- |
| | 01/07/98 | <100 | --- | <5 | <5 | <5 | <15 | <5 | 3200 | --- | --- | --- | --- |
| | 05/21/98 | 2000 | --- | <100 | <100 | <100 | <200 | <100 | 5600 | --- | --- | --- | --- |
| | 11/17/98 | 543 | <100 | <0.5 | 1 | <0.5 | 2.6 | <0.5 | 1420 | --- | --- | --- | --- |
| | 05/06/99 | 2700 | --- | <5 | <5 | <5 | <5 | <13 | 15,000 | --- | --- | --- | --- |
| | 11/18/99 | 2900 | <100 | <13 | <12.5 | <12.5 | <12.5 | <13 | 6700 | --- | --- | --- | --- |
| | 05/19/00 | 3500 | <100 | <25 | <25 | <25 | <25 | <25 | 10,000 | --- | --- | --- | --- |
| | 11/02/05 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.4 | --- | --- | --- | --- |
| | 05/09/06 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2.1 | --- | --- | --- | --- |
| | 12/07/06 | <100 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | 0.65 | --- | --- | --- | --- |
| | 05/04/07 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.62 | --- | --- | --- | --- |
| | 11/15/07 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.6 | --- | --- | --- | --- |
| | 04/15/08 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 10/15/08 | <200 | <100 | <1 | <1 | <1 | <1 | <2 | <1 | --- | --- | --- | --- |
| 04/23/09 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1 | 140 | <1 | <1 | <1 | |
| 10/21/09 | 2400 | 680 | 170 | 440 | 17 | 410 | <5 | 490 | 480 | <5 | <5 | <5 | |
| 03/16/10 | <50 | <100 | 0.60 | 1.3 | <0.50 | 1.77 | <0.50 | 4.5 | 550 | <1.0 | <1.0 | <1.0 | |
| 04/16/10 | 1300 | 6600 | 0.67 | <0.50 | 3.1 | 12.9 | <0.50 | 1.2 | 2400 | <1.0 | <1.0 | <1.0 | |
| 05/25/10 | 110 | 540 | <0.50 | <0.50 | <0.50 | <0.50 | <1.0 | 2.9 | 6500 | <1.0 | <1.0 | <1.0 | |
| GMW-O-19 | 11/25/96 | --- | --- | <0.5 | <0.87 | 2.8 | 5.1 | <0.5 | <5 | --- | --- | --- | --- |
| | 07/16/97 | <100 | --- | <0.5 | <0.5 | <0.5 | <1 | <0.5 | <5 | --- | --- | --- | --- |
| | 01/06/98 | <100 | --- | <0.5 | <0.5 | <0.5 | <1.5 | <0.5 | <5 | --- | --- | --- | --- |
| | 05/20/98 | <300 | --- | <0.5 | <0.5 | <0.5 | <1 | <0.5 | 2 | --- | --- | --- | --- |
| | 11/12/98 | <300 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 05/06/99 | <500 | --- | <0.5 | <0.5 | <0.5 | <0.5 | <1 | 0.51 | --- | --- | --- | --- |
| | 11/18/99 | <416 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.5 | --- | --- | --- | --- |
| | 05/17/00 | <300 | 180 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 09/19/01 | <300 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 11/07/01 | <300 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 01/30/02 | <300 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 04/09/03 | <50 | 500 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| 08/01/03 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | |
| 10/07/03 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- | |



TABLE 2
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MAY 2010 MONTHLY MONITORING EVENT
 Defense Fuel Support Point Norwalk
 Norwalk, California

Results reported in micrograms per liter (µg/L)

| Sample ID | Date | TPHg | TPHfp | Benzene | Toluene | Ethyl-benzene | Total Xylenes ¹ | 1,2-DCA | MTBE | TBA | DIPE | ETBE | TAME |
|---------------------|----------|------|-------|---------|---------|---------------|----------------------------|---------|------|------|------|------|------|
| GMW-O-19 (Cont.) | 04/22/04 | <50 | 1400 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 07/20/04 | --- | <100 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | 11/02/04 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 05/05/05 | 510 | 110 | 110 | <0.5 | 17 | 24.5 | <1 | 150 | --- | --- | --- | --- |
| | 08/02/05 | 160 | <100 | 2.1 | <0.5 | 1.2 | <0.5 | <0.5 | 19 | --- | --- | --- | --- |
| | 11/02/05 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 02/28/06 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 05/04/06 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 12/05/06 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 05/05/07 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 11/15/07 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 04/16/08 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 10/14/08 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | --- | --- | --- | --- |
| | 04/23/09 | <50 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <1 |
| | 10/20/09 | <50 | <200 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <10 | <1 | <1 | <1 |
| 03/15/10 | <50 | <100 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <1.0 | <1.0 | <1.0 | |
| 04/16/10 | <50 | <100 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <1.0 | <1.0 | <1.0 | |
| 05/26/10 | <50 | <100 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <10 | <1.0 | <1.0 | <1.0 | |
| PZ-5 | 10/07/03 | 6900 | <100 | 11 | <10 | <10 | <10 | <20 | 9100 | --- | --- | --- | --- |
| | 05/05/05 | <50 | <100 | 0.87 | <0.5 | <0.5 | <0.5 | <0.5 | 43 | --- | --- | --- | --- |
| | 11/02/05 | 1200 | <100 | <2.5 | <2.5 | <2.5 | <2.5 | <5 | 2100 | --- | --- | --- | --- |
| | 02/28/06 | 160 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | 380 | --- | --- | --- | --- |
| | 05/04/06 | 1200 | <100 | <2 | <2 | <2 | <2 | <4 | 1900 | --- | --- | --- | --- |
| | 09/19/06 | 480 | <100 | <1 | <1 | <1 | <1 | <2 | 1200 | --- | --- | --- | --- |
| | 12/07/06 | 480 | <100 | <1.5 | <1.5 | <1.5 | <1.5 | <3 | 960 | --- | --- | --- | --- |
| | 03/13/07 | 320 | <100 | <1 | <1 | <1 | <1 | <2 | 690 | --- | --- | --- | --- |
| | 05/04/07 | 400 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | 610 | --- | --- | --- | --- |
| | 08/29/07 | 380 | <100 | <1 | <1 | <1 | <1 | <2 | 480 | --- | --- | --- | --- |
| | 11/15/07 | 370 | <100 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | 470 | --- | --- | --- | --- |
| | 02/20/08 | 940 | 560 | <1 | <1 | <1 | <1 | <2 | 750 | --- | --- | --- | --- |
| | 04/15/08 | 750 | 330 | <1 | <1 | <1 | <1 | <2 | 740 | --- | --- | --- | --- |
| 08/12/08 | 1500 | 370 | <2 | <2 | <2 | <2 | <4 | 2000 | --- | --- | --- | --- | |
| 10/16/08 | <3000 | 210 | 22 | <15 | <15 | <15 | <30 | 1900 | --- | --- | --- | --- | |

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
MAY 2010 MONTHLY MONITORING EVENT

Defense Fuel Support Point Norwalk
 Norwalk, California

Results reported in micrograms per liter (µg/L)

| Sample ID | Date | TPHg | TPHfp | Benzene | Toluene | Ethyl-benzene | Total Xylenes ¹ | 1,2-DCA | MTBE | TBA | DIPE | ETBE | TAME |
|-----------------|-----------------------|------|-------|---------|---------|---------------|----------------------------|---------|--------|--------|------|------|------|
| PZ-5 (Cont.) | 02/24/09 | 1000 | 440 | 61 | <1 | <1 | <1 | <2 | 1200 | 37,000 | --- | --- | --- |
| | 02/24/09 ³ | 2400 | 1000 | 71 | <100 | <100 | <100 | <50 | 1400 | 47,000 | <200 | <200 | <200 |
| | 04/23/09 | 1200 | 760 | 250 | <2 | 5.7 | <2 | <4 | 1200 | 35,000 | <4 | <4 | <4 |
| | 07/22/09 | 3800 | 1800 | 2000 | 20 | 98 | 77 | <5 | 800 | 54,000 | <5 | <5 | <5 |
| | 10/23/09 | 2900 | 1300 | 1100 | 18 | 53 | 69 | <10 | 500 | 50,000 | <10 | <10 | <10 |
| | 03/16/10 | 1700 | 890 | 370 | 2.1 | 33 | 9.4 | <4.0 | 350 | 58,000 | <4.0 | <4.0 | <4.0 |
| | 04/16/10 | 1600 | 1100 | 110 | <2.5 | 9.7 | 4.6 | <5.0 | 340 | 91,000 | <5.0 | <5.0 | <5.0 |
| 05/27/10 | 3200 J | 1300 | 1100 | <25 | 66 | <25 | <50 | 360 | 69,000 | <50 | <50 | <50 | |

Notes

- The total xylenes result is the sum of m,p-xylenes and o-xylenes when detected.
- Groundwater sample collected through a sampling port.
- Split groundwater sample analyzed by Calscience Environmental Laboratories, Inc. Results were evaluated to laboratory method detection limits.
 Non-detect results for this sample are shown as less than the method detection limit.

Abbreviations

--- = not analyzed or not applicable.
 <5.0 = not detected at or above the laboratory reporting limit shown.
 (D) = duplicate sample.
 NS = well not sampled due to presence of free product.
 J = The analyte was positively identified, the associated numerical value is the approximate concentration of the analyte in the sample.

1,2-DCA = 1,2-dichloroethane.
 DIPE = di-isopropyl ether.
 ETBE = ethyl tert-butyl ether.
 MTBE = methyl tert-butyl ether.
 TAME = tert-amyl methyl ether.
 TBA = tert-butyl alcohol.
 TPHfp = total extractable petroleum hydrocarbons quantified using a site fuel product standard.
 TPHg = total purgeable petroleum hydrocarbons quantified using a gasoline standard (C4-C13).



TABLE 3
SUMMARY OF TOTAL FLUIDS AND GROUNDWATER EXTRACTION PUMP OPERATION
MAY 2010 MONTHLY MONITORING EVENT
 Defense Fuel Support Point Norwalk
 Norwalk, California

| Remediation Area | Remediation Well ID | Well Function | 5/14/10 Status (ON/OFF) | Comments |
|--------------------|---------------------|---------------|---|---|
| South-Central Area | GMW-9 | TFE | OFF | Off due to high selenium concentration |
| | GMW-22 | TFE | OFF | Off due to high selenium concentration |
| | GMW-24 | TFE | OFF | Off due to high selenium concentration |
| | GMW-25 | GWE | OFF | Off due to high selenium concentration |
| | GWR-3 | GWE | OFF | Off due to high selenium concentration |
| | MW-SF-2 | TFE | OFF | Off due to high selenium concentration |
| | MW-SF-3 | TFE | OFF | Off due to high selenium concentration |
| | MW-SF-6 | TFE | OFF | Off due to high selenium concentration |
| | MW-SF-11 | TFE | OFF | Off due to high selenium concentration |
| | MW-SF-12 | TFE | ON | |
| | MW-SF-13 | TFE | ON | |
| | MW-SF-14 | TFE | OFF | Off due to high selenium concentration |
| | MW-SF-15 | TFE | OFF | Off due to high selenium concentration |
| | MW-SF-16 | TFE | ON | |
| | MW-O-1 | TFE | OFF | Off due to high selenium concentration |
| | MW-O-2 | TFE | OFF | Water line blocked. Returned to service on 6/8/2010. |
| | GMW-O-11 | TFE | ON | |
| | GMW-O-20 | TFE | OFF | Off due to high selenium concentration |
| GMW-O-21 | TFE | OFF | Off due to high selenium concentration | |
| GMW-O-23 | TFE | OFF | Air line leaking on May 14, 2010. Air line was replaced in late May 2010. | |
| South-Eastern Area | GMW-O-15 | TFE | ON | |
| | GMW-O-18 | TFE | ON | |
| | GMW-36 | TFE | OFF | Pump would not fit properly back into the well. The well was redeveloped and the pump was reinstalled and restarted on June 17, 2010. |

Notes

Data reported based on information provided by SFPP, L.P.

Abbreviations

GWE = groundwater extraction.

TFE = total fluids extraction.