



Transmittal

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Date: April 1, 2009
To: Mr. Jeffrey Hu
California Regional Water Quality
Control Board – Los Angeles
Region (RWQCB)
320 West 4th Street, Suite 200
Los Angeles, CA 90013

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Project Number: 1603.044 C

Project Name: Norwalk

Item Description

- 1 Table 1 - Summary of Groundwater Elevations, First Quarter 2009 Sentry Event
- 2 Table 2 - Summary of Groundwater Analytical Data, First Quarter 2009 Sentry Event

Remarks

On behalf of SFPP, L.P., an operating partnership of Kinder Morgan Energy Partners, L.P. (KMEP), AMEC Geomatrix, Inc., is transmitting the groundwater monitoring results for the first quarter 2009 sentry event.

As approved by the RWQCB, low-flow purging and sampling of groundwater monitoring wells was implemented at the site beginning with the first quarter 2009 sentry event. Groundwater elevations and analytical data for wells monitored during this event are summarized in Table 1 and Table 2, respectively, and are briefly discussed below.

- 1) Seventeen (17) wells located in the south-central, intermediate 24-inch block valve, off-site 24-inch block valve, and western off-site areas were gauged by Blaine Tech Services, Inc., on behalf of KMEP during this sentry event.
- 2) Groundwater elevations have generally decreased in the uppermost aquifer and increased in the Exposition aquifer beneath the site since October 2008.
- 3) During this event, free product was detected in two wells (GMW-36 and GMW-O-15) located in the southeastern area where free product has been detected previously. The wells were not sampled.
- 4) Wells GMW-O-15, MW-SF-1, MW-SF-4, and PZ-5 were voluntarily monitored by KMEP during this sentry event.
- 5) Volatile organic compounds (VOCs) and total petroleum hydrocarbons quantified as gasoline (TPHg) and fuel products (TPHfp) were not detected in groundwater samples collected from Exposition aquifer monitoring wells.



- 6) In the southern off-site area, VOCs, TPHg, and TPHfp were not detected in wells GMW-O-1, GMW-O-2, GMW-O-3.
- 7) Pursuant to the RWQCB's request, tertiary butyl alcohol (TBA) was added to the analyte list for all groundwater samples collected during this sentry event. TBA was detected in two groundwater samples collected from wells GMW-39 and PZ-5 located in the southeastern area.
- 8) Pursuant to the RWQCB's request, a split groundwater sample was collected from well PZ-5. The split groundwater samples from PZ-5 were analyzed by Alpha Analytical, Inc. (Alpha), and Calscience Environmental Laboratories, Inc. (Calscience).
- 9) In the western off-site area, 1,2-dichloroethane (1,2-DCA) and methyl tert-butyl ether (MTBE) were detected in only one well (WCW-7) and detected concentrations remained below the risk-based corrective action levels of 70 µg/L for 1,2-DCA and 40 µg/L for MTBE.
- 10) Alpha and Calscience did not report any significant quality assurance/quality control problems with the analytical work performed.

Please contact Shioh-Whei Chou at (949) 642-0245 if you have any questions. Thank you.

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TABLE 1

SUMMARY OF GROUNDWATER ELEVATIONS
FIRST QUARTER 2009 SENTRY EVENT
DFSP Norwalk

Well	Date	Top of Casing Elevation (feet msl) ¹	Depth to Product (feet) ²	Depth to Water (feet) ²	Apparent Product Thickness (feet)	Groundwater Elevation (feet msl) ¹	Contractor
EXP-1	2/23/2009	78.44	---	53.40	---	25.04	Blaine Tech
EXP-2	2/23/2009	79.43	---	53.42	---	26.01	Blaine Tech
EXP-3	2/23/2009	77.58	---	52.52	---	25.06	Blaine Tech
EXP-5	2/23/2009	72.41	---	47.61	---	24.80	Blaine Tech
GMW-36	2/23/2009	74.53	25.80	26.13	0.33	NC ⁴	Blaine Tech
GMW-39	2/23/2009	75.05	---	26.70	---	48.35	Blaine Tech
GMW-O-1	2/23/2009	71.45	---	22.70	---	48.75	Blaine Tech
GMW-O-2	2/23/2009	72.54	---	23.90	---	48.64	Blaine Tech
GMW-O-3	2/23/2009	72.19	---	23.63	---	48.56	Blaine Tech
GMW-O-14	2/23/2009	74.08	---	25.58	---	48.50	Blaine Tech
GMW-O-15	2/23/2009	74.23	24.74	24.76	0.02	NC	Blaine Tech
MW-SF-1	2/23/2009	78.93	---	30.00	---	48.93	Blaine Tech
MW-SF-4	2/23/2009	79.38	---	30.96	---	48.42	Blaine Tech
PZ-5	2/23/2009	73.97	---	25.25	---	48.72	Blaine Tech
WCW-3	2/23/2009	76.16	---	28.10	---	48.06	Blaine Tech
WCW-7	2/23/2009	76.44	---	28.48	---	47.96	Blaine Tech
WCW-13	2/23/2009	77.70	---	29.65	---	48.05	Blaine Tech

Notes:

1. Feet above mean sea level, based on Los Angeles County Datum, 1980.
2. Below top of casing.
3. --- = product not detected.
4. NC = not calculated due to presence of product in well.

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA
FIRST QUARTER 2009 SENTRY EVENT
DFSP Norwalk

Results reported in micrograms per liter (µg/L)

Sample ID	Date	TPHg ¹	TPHfp ²	Benzene	Toluene	Ethyl-benzene	Xylenes ³	1,2-DCA ⁴	MTBE ⁵	TBA ⁶
EXP-1	2/24/2009	<50 ⁷	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EXP-2	2/24/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EXP-3	2/24/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
EXP-5	2/23/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
GMW-39	2/24/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	3400
GMW-O-1	2/23/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
GMW-O-2	2/23/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
GMW-O-3	2/23/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
GMW-O-14	2/23/2009	30,000	12,000	6100	3500	1200	3900	77	<25	<500
GMW-O-14 (DUP) ⁸	2/23/2009	30,000	12,000	6100	3300	1200	3900	80	<25	<500
MW-SF-1	2/24/2009	11,000	10,000	6300	85	160	65	<50	420	<500
MW-SF-4	2/23/2009	20,000	32,000	6400	92	1000	1420	<50	950	<500
PZ-5	2/24/2009	1000	440	61	<1.0	<1.0	<1.0	<2.0	1200	37,000
PZ-5 (DUP)	2/24/2009	1000	450	61	<1.0	<1.0	<1.0	<2.0	1200	37,000
PZ-5 (SPLIT) ⁹	2/24/2009	2400	1000	71	<33 ⁹	<22 ⁹	<45 ⁹	<31 ⁹	1400	47,000
WCW-13	2/23/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
WCW-3	2/23/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
WCW-7	2/24/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	40	2.4	<10
Trip Blank (TB-1)	2/23/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
Trip Blank (TB-2)	2/24/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
Equipment Blank (EB-1)	2/23/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10
Equipment Blank (EB-2)	2/24/2009	<50	<100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10

Notes:

1. TPHg = total purgeable petroleum hydrocarbons quantified using a gasoline standard.
2. TPHfp = total extractable petroleum hydrocarbons quantified using a site fuel product standard.
3. Xylenes = total of m,p-xylene and o-xylene when detected.
4. 1,2-DCA = 1,2-dichloroethane.
5. MTBE = methyl tert-butyl ether.
6. TBA = tert-butyl alcohol.
7. <50 = not detected at or above the laboratory reporting limit shown.
8. DUP = duplicate sample.
9. SPLIT = A 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.