



Transmittal

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From: Dan Jablonski

To: Mr. Paul Cho, PG
California Regional Water Quality
Control Board – Los Angeles
Region (RWQCB)
320 West 4th Street, Suite 200
Los Angeles, CA 90013

CH2M HILL
1000 Wilshire Blvd., 21st Floor
Los Angeles, CA 90017

Subject: June 2012 Monthly Groundwater Monitoring Submittal

Project Name: SFPP Norwalk Pump Station

Item Description

- 1 Table 1 - Summary of Groundwater Elevations, Monthly Monitoring Events
- 2 Table 2 - Summary of Groundwater Analytical Data, June 2012 Monthly Monitoring Event
- 3 Table 3 - Summary of Miscellaneous Compounds Detected in Groundwater, June 2012 Monthly Monitoring Event
- 4 Table 4 - Summary of Total Fluids and Groundwater Extraction Pump Operation, June 2012 Monthly Monitoring Event
- 5 Attachment 1 – Concentration Time Series Charts – Wells PZ-5 and GMW-O-18

Remarks

On behalf of SFPP, L.P., an operating partnership of Kinder Morgan Energy Partners, L.P. (KMEP), CH2M HILL is transmitting the groundwater monitoring results for the June 2012 monthly monitoring event conducted at the SFPP Norwalk Pump Station. Groundwater elevations and analytical data for wells monitored during this monthly monitoring event are summarized in Tables 1 through 3, and are briefly discussed below. The operation of SFPP's extraction wells at the end of June 2012 is summarized in Table 4. Extraction from onsite well GMW-SF-9 was initiated on May 11, 2012 to enhance hydraulic containment in the southeastern area.

- 1) During this monthly monitoring event, Blaine Tech Services, Inc. (Blaine Tech) sampled wells GMW-36, GMW-O-16, GMW-O-18, GMW-O-19, and PZ-5 located in the southeastern area. The wells were gauged prior to sampling (under static conditions) with the exception of wells GMW-36 and GMW-O-18; these wells were gauged while the extraction pumps were in operation. Samples were collected from wells GMW-36 and GMW-O-18 through the wellhead sampling ports. A groundwater sample was not collected from well GMW-O-15 due to operational issues with the extraction pump during the time of sampling. A refurbished extraction pump was installed in well GMW-O-15 on July 17, 2012 and the pump is currently operational.
- 2) The TFE pumps in wells GMW-36, GMW-O-15, GMW-O-18, and GMW-SF-9 are currently on and will continue to extract groundwater in the southeastern area for treatment. 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.

- 3) Groundwater elevations were generally lower (0.22 to 0.50 feet) since the May 2012 monitoring event. Free product was not detected in any of the wells that were gauged in the southeastern area.
- 4) Wells GMW-36 and GMW-O-15 are used for 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. Concentrations TPH quantified as gasoline (TPH-g) and total xylenes in well GMW-36 were higher than concentrations reported during May 2012. Benzene, toluene, and ethylbenzene were also detected in well GMW-36, but at relatively low concentrations. TPH quantified as diesel (TPH-d), methyl tertiary butyl alcohol (MTBE), and tertiary butyl alcohol (TBA) concentrations decreased, relative to the concentrations reported in May. The TBA concentration reported in June 2012 (780 micrograms per liter [$\mu\text{g/L}$]) was approximately one order of magnitude lower than the concentration reported during May 2012 (6,200 $\mu\text{g/L}$). 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. 1,2,4-Trimethylbenzene and 1,3,5-trimethylbenzene were the only other volatile organic compounds (VOCs) detected in well GMW-36 (Table 3). As mentioned above in Bullet 1, a groundwater sample was not collected from well GMW-O-15 due to operational issues with the extraction pump during the time of sampling.
- 5) Wells GMW-O-16, GMW-O-18, GMW-O-19, and PZ-5 are located outside the extent of free product, and are used to monitor the extent of dissolved-phase fuel constituents in groundwater in the southeastern area. VOCs, TPH-g, and TPH-d were not detected in wells GMW-O-16 and GMW-O-19 during June 2012. TPH-g, TPH-d, and TBA were the only constituents detected in well GMW-O-18 during June 2012. These detections represent an increase in concentration since May 2012. In well PZ-5, TPH-g, TPH-d, benzene, toluene, total xylenes, MTBE, and TBA concentrations were higher than the concentrations reported during May 2012. Ethylbenzene was the only other VOC detected in well PZ-5. Concentration time series charts for wells PZ-5 and GMW-O-18 are included in Attachment 1. Fluctuation of contaminant concentrations in well GMW-O-18 is likely due to operation of the extraction pump in this well. Expansion of TFE to include well GMW-O-18 occurred in April 2010, which is generally consistent with the time period when the variability in concentrations was first apparent.
- 6) One equipment and one trip blank sample were collected during the June 2012 monthly monitoring event. No VOCs, TPH-g, or TPH-fp were detected at or above laboratory reporting limits in the equipment or trip blank sample.

Please contact Dan Jablonski at 213.228.8271 if you have any questions.

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TABLE 1

**SUMMARY OF GROUNDWATER ELEVATIONS
MONTHLY MONITORING EVENTS
SFPP Norwalk Pump Station
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
	06/22/10	74.53	25.91	25.94	0.03	NC
	07/12/10	74.53	NM	NM	NC	NC
	08/12/10	74.53	NM	NM	NC	NC
	09/20/10	74.53	NM	NM	NC	NC
	10/04/10	74.53	---	26.90	---	47.63
	11/23/10	74.53	27.1	27.35	0.25	NC
	12/22/10	74.53	26.84	28.35	1.51	NC
	01/10/11	74.53	27.70	29.10	1.40	NC
	02/24/11	74.53	NM	NM	NC	NC
	03/23/11	74.53	NM	NM	NC	NC
	04/12/11	74.53	25.05	26.98	1.93	NC
	05/13/11	74.53	NM	NM	NC	NC
	06/22/11	74.53	NM	NM	NC	NC
	07/11/11	74.53	NM	NM	NC	NC
	08/19/11	74.53	NM	NM	NC	NC
	09/22/11	74.53	NM	NM	NC	NC
	10/10/11	74.53	---	25.96	---	48.57
	11/28/11	74.53	NM	NM	NC	NC
	12/21/11	74.53	---	28.17 ¹	---	46.36 ¹
	01/09/12	74.53	---	27.26 ¹	---	47.27 ¹
	02/23/12	74.53	---	27.85	---	46.68
	03/28/12	74.53	---	NM	---	NC
04/16/12	74.53	---	27.34	---	47.19	
05/25/12	74.53	---	NM	---	NC	
06/15/12	74.53	---	33.27	---	NC	
GMW-O-15	03/15/10	74.23	---	NM	---	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
	06/22/10	74.23	---	25.81	---	48.42
	07/12/10	74.23	NM	NM	NC	NC
	08/12/10	74.23	NM	NM	NC	NC
	09/20/10	74.23	NM	NM	NC	NC
	10/04/10	74.23	25.80	25.85	0.05	NC
	11/23/10	74.23	NM	NM	NC	NC
	12/22/10	74.23	---	26.31	---	47.92
	01/10/11	74.23	---	25.97	---	48.26
	02/24/11	74.23	NM	NM	NC	NC
	03/23/11	74.23	NM	NM	NC	NC
	04/12/11	74.23	22.53	22.55	0.02	NC
	05/13/11	74.23	NM	NM	NC	NC
	06/22/11	74.23	NM	NM	NC	NC
	07/11/11	74.23	NM	NM	NC	NC
	08/19/11	74.23	NM	NM	NC	NC
	09/22/11	74.23	NM	NM	NC	NC
	10/10/11	74.23	23.22	23.79	0.57	50.44
	11/28/11	74.23	NM	NM	NC	NC
	12/21/11	74.23	---	31.13 ¹	---	43.10 ¹
	01/09/12	74.23	---	27.67 ¹	---	46.56 ¹
	02/23/12	74.23	---	31.82 ¹	---	42.41 ¹
	03/28/12	74.23	---	30.30 ¹	---	43.93 ¹
04/16/12	74.23	26.51	26.56	0.05	NC	
05/25/12	74.23	---	26.64 ¹	---	47.59 ¹	
06/15/12	74.23	---	26.93	---	47.30	
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
	06/22/10	74.10	---	25.55	---	48.55
	07/12/10	74.10	---	26.32	---	47.78
	08/12/10	74.10	---	26.43	---	47.67

TABLE 1

**SUMMARY OF GROUNDWATER ELEVATIONS
MONTHLY MONITORING EVENTS
SFPP Norwalk Pump Station
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-O-16	09/20/10	74.10	---	26.95	---	47.15
	10/04/10	74.10	---	26.10	---	48.00
	11/16/10	74.10	---	26.58	---	47.52
	12/22/10	74.10	---	27.00	---	47.10
	01/10/11	74.10	---	26.42	---	47.68
	02/24/11	74.10	---	26.02	---	48.08
	03/23/11	74.10	---	25.99	---	48.11
	04/11/11	74.10	---	24.66	---	49.44
	05/13/11	74.10	---	25.76	---	48.34
	06/22/11	74.10	---	25.89	---	48.21
	07/11/11	74.10	---	26.00	---	48.10
	08/19/11	74.10	---	25.63	---	48.47
	09/22/11	74.10	---	26.32	---	47.78
	10/10/11	74.10	---	25.53	---	48.57
	11/28/11	74.10	---	26.42	---	47.68
	12/21/11	74.10	---	27.05	---	47.05
	01/09/12	74.10	---	26.98	---	47.12
	02/23/12	74.10	---	27.56	---	46.54
03/28/12	74.10	---	27.50	---	46.60	
04/16/12	74.10	---	26.62	---	47.48	
05/25/12	74.10	---	26.81	---	47.29	
06/15/12	74.10	---	26.27	---	46.83	
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
	06/22/10	74.36	---	26.41	---	47.95
	07/12/10	74.36	NM	NM	NC	NC
	08/12/10	74.36	NM	NM	NC	NC
	09/20/10	74.36	NM	NM	NC	NC
	10/04/10	74.36	---	29.95	---	44.41
	11/16/10	74.36	NM	NM	NC	NC
	12/22/10	74.36	NM	NM	NC	NC
	01/10/11	74.36	NM	NM	NC	NC
	02/24/11	74.36	NM	NM	NC	NC
	03/23/11	74.36	NM	NM	NC	NC
	04/12/11	74.36	NM	NM	NC	NC
	05/13/11	74.36	NM	NM	NC	NC
	06/22/11	74.36	NM	NM	NC	NC
	07/11/11	74.36	NM	NM	NC	NC
	08/19/11	74.36	NM	NM	NC	NC
	09/22/11	74.36	NM	NM	NC	NC
10/10/11	74.36	---	23.68	---	50.68	
11/28/11	74.36	NM	NM	NC	NC	
12/21/11	74.36	---	27.14 ¹	---	47.22 ¹	
01/09/12	74.36	NM	NM	NC	NC	
02/23/12	74.36	---	31.18 ¹	---	43.18 ¹	
03/28/12	74.36	---	NM	---	NC	
04/16/12	74.36	---	27.10	---	47.26	
05/25/12	74.36	---	27.31 ¹	---	47.05 ¹	
06/15/12	74.36	---	35.13 ¹	---	39.23 ¹	
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
	06/22/10	74.46	---	25.64	---	48.82
	07/12/10	74.46	---	26.04	---	48.42
	08/12/10	74.46	---	26.23	---	48.23
	09/20/10	74.46	---	26.52	---	47.94
	10/04/10	74.46	---	26.31	---	48.15
	11/16/10	74.46	---	26.67	---	47.79
	12/22/10	74.46	---	26.70	---	47.76
	01/10/11	74.46	---	26.37	---	48.09
	02/24/11	74.46	---	25.55	---	48.91
03/23/11	74.46	---	25.29	---	49.17	

TABLE 1

**SUMMARY OF GROUNDWATER ELEVATIONS
MONTHLY MONITORING EVENTS
SFPP Norwalk Pump Station
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-O-19	04/11/11	74.46	---	24.75	---	49.71
	05/13/11	74.46	---	25.11	---	49.35
	06/22/11	74.46	---	25.27	---	49.19
	07/11/11	74.46	---	25.42	---	49.04
	08/19/11	74.46	---	25.32	---	49.14
	09/22/11	74.46	---	25.82	---	48.64
	10/10/11	74.46	---	25.40	---	49.06
	11/28/11	74.46	---	25.96	---	48.50
	12/21/11	74.46	---	26.43	---	48.03
	01/09/12	74.46	---	26.56	---	47.90
	02/23/12	74.46	---	27.08	---	47.38
	03/28/12	74.46	---	27.14	---	47.32
	04/16/12	74.46	---	26.88	---	47.58
	05/25/12	74.46	---	27.01	---	47.45
06/15/12	74.46	---	27.23	---	47.23	
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
	06/22/10	73.97	---	25.54	---	48.43
	07/12/10	73.97	---	26.09	---	47.88
	08/12/10	73.97	---	26.16	---	47.81
	09/20/10	73.97	---	26.52	---	47.45
	10/04/10	73.97	---	25.98	---	47.99
	11/16/10	73.97	---	26.46	---	47.51
	12/22/10	73.97	---	25.12	---	48.85
	01/10/11	73.97	---	26.54	---	47.43
	02/24/11	73.97	---	25.55	---	48.42
	03/23/11	73.97	---	25.28	---	48.69
	04/11/11	73.97	---	24.70	---	49.27
	05/13/11	73.97	---	25.21	---	48.76
	06/22/11	73.97	---	25.37	---	48.60
	07/11/11	73.97	---	25.47	---	48.50
	08/19/11	73.97	---	25.35	---	48.62
	09/22/11	73.97	---	25.96	---	48.01
	10/10/11	73.97	---	25.55	---	48.42
	11/28/11	73.97	---	26.16	---	47.81
	12/21/11	73.97	---	26.48	---	47.49
	01/09/12	73.97	---	26.47	---	47.50
02/23/12	73.97	---	27.27	---	46.70	
03/28/12	73.97	---	27.10	---	46.87	
04/16/12	73.97	---	26.59	---	47.38	
05/25/12	73.97	---	26.94	---	47.03	
06/15/12	73.97	---	27.44	---	46.53	

Notes

¹ = pump in well was in operation during water level gauging

--- = 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 since extraction pump was in operation.

TABLE 2

**SUMMARY OF GROUNDWATER ANALYTICAL DATA
JUNE 2012 MONTHLY MONITORING EVENT**

SFPP Norwalk Pump Station
Norwalk, California

Results reported in micrograms per liter (µg/L)

Sample ID	Date	TPH-g	TPH-fp	TPH-d	Benzene	Toluene	Ethyl- benzene	Total Xylenes ¹	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-36	07/10/97	430	---	---	---	---	---	---	---	---	---	---	---	---
	01/09/98	4,000	---	---	22	21	6.1	100	<5	7,700	---	---	---	---
	05/20/98	1,400	---	---	<0.3	<0.3	<10	<20	<0.5	19,600	---	---	---	---
	11/17/98	7,900	6,650	---	2,100	1,370	70	650	<50	34,800	---	---	---	---
	05/07/99	2,800	---	---	<10	<10	<10	<10	<25	14,000	---	---	---	---
	11/18/99	51,000	22,000	---	8,100	5,600	<250	1,770	<250	47,000	---	---	---	---
	05/17/00	59,000	53,000	---	14,000	6,700	480	4,100	<130	45,000	---	---	---	---
	11/30/00	110,000	66,000	---	20,000	19,000	1,600	8,100	<0.5	13,000	---	---	---	---
	02/06/01	75,000	55,000	---	18,000	13,000	1,400	6,100	<50	9,100	---	---	---	---
	05/10/01	12,000	5,100	---	3,700	2,500	420	1,730	<0.5	1,600	---	---	---	---
	09/19/01	21,000	37,000	---	5,800	3,600	580	2,080	<13	1,000	---	---	---	---
	11/06/01	63,000	40,000	---	16,000	13,000	1,600	7,700	<25	3,200	---	---	---	---
	01/30/02	130,000	68,000	---	21,000	20,000	1,700	9,000	<125	42,000	---	---	---	---
	04/10/02	150,000	49,000	---	25,000	22,000	1,800	10,000	<50	67,000	---	---	---	---
	07/30/02	81,000	110,000	---	28,000	29,000	2,200	11,800	<50	37,000	---	---	---	---
	12/06/06	32,000	10,000	---	5,300	4,300	480	4,300	<50	1,600	---	---	---	---
	03/13/07	54,000	7,200	---	9,400	12,000	1,100	8,200	<200	3,800	---	---	---	---
	05/05/07	69,000	11,000	---	9,800	11,000	1,200	8,000	<200	3,900	---	---	---	---
	08/29/07	30,000	9,800	---	4,100	4,200	420	4,500	120	890	---	---	---	---
	02/20/08	34,000	9,100	---	3,900	6,000	750	4,600	<50	43	---	---	---	---
	04/16/08	42,000	11,000	---	5,200	8,300	940	6,200	<200	<100	---	---	---	---
	10/16/08	17,000	32,000	---	2,100	2,000	160	2,300	<20	26	---	---	---	---
	07/22/09	24,000	15,000	---	3,800	5,400	720	3,380	<50	28	<500	<50	<50	<50
	03/16/10	8,000	22,000	---	830	1,100	140	700	<10	16	690	<10	<10	<10
	04/16/10	4,200	25,000	---	850	150	89	200	<5.0	11	3,700	<5.0	<5.0	<5.0
	05/24/10	NS	NS	---	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	06/25/10 ^{2,3}	14,000	43,000	---	1,100	1,500	160	1,260	<20	11	2,700	<20	<20	<20
	07/13/10 ²	500	4,500	---	49	51	4.9	68	<0.5	0.91	340	<1.0	<1.0	<1.0
	08/12/10 ²	9,200	2,200	---	1,400	1,100	52	1,580	<10	18	1,600	<10	<10	<10
	09/20/10 ²	3,300	5,200	---	130	18	36	260	<1.0	130	13,000	<1.0	<1.0	1.6
	10/5/2010 ²	15,000	3,100	---	2,500	1,300	390	1,790	<20	30	1,300	<20	<20	<20
	11/23/10	31,000	21,000	---	5,100	3,400	890	3,900	<40	51	470	<40	<40	<40
	12/22/10	63,000	73,000	---	6,700	9,600	1,700	8,300	<50	28	<500	<50	<50	<50
01/12/11	320,000	130,000	---	4,600	2,900	1,400	13,300	<200	<100	<2000	<200	<200	<200	
02/24/11 ²	1,600	3,900	---	110	77	19	188	<1.0	3	2,200	<1.0	<1.0	<1.0	
03/23/11 ²	3,200	2,900	---	360	340	28	360	<3.0	7.6	2,400	<3.0	<3.0	<3.0	
04/29/11 ²	1,500	10,000	---	75	67	6.8	113	<0.5	3.3	1,700	<1.0	<1.0	<1.0	
05/13/11 ²	13,000	11,000	---	2,300	2,100	93.0	1,640	<20	43	<200	<20	<20	<20	
06/22/11 ²	420	1,500	---	24	12	2.8	29	<0.5	110	5,900	<1.0	<1.0	<1.0	
07/29/11 ²	7,300	3,200	---	560	570	61.0	990	<10	350	4,600	<10	<10	<10	
08/19/11 ²	13,000	6,200	---	570	1,100	250.0	1,890	<20	260	9,000	<20	<20	<20	
09/22/11 ²	5,200	2,200	---	490	240	52.0	470	<5.0	660	7,400	<5.0	<5.0	17	
10/13/11 ²	22,000	160,000	---	610	490	430.0	2,200	<20	250	3,700	<20	<20	43	
11/23/11 ²	630	34,000	---	17	<2.5	<2.5	14	<5.0	110	6,000	<5.0	<5.0	<5.0	
12/21/11 ²	700	560	---	59	55	14	65	<0.50	2.1	340	<1.0	<1.0	<1.0	

TABLE 2

**SUMMARY OF GROUNDWATER ANALYTICAL DATA
JUNE 2012 MONTHLY MONITORING EVENT**

SFPP Norwalk Pump Station
Norwalk, California

Results reported in micrograms per liter (µg/L)

Sample ID	Date	TPH-g	TPH-fp	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes ¹	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-36	1/10/12 ²	380	290	---	78	1.6	5.1	13	<0.50	94	4,900	<1.0	<1.0	1.3
	02/23/12	45,000	14,000	---	5,600	8,900	1,700	6,600	<200	<100	<2,000	<200	<200	<200
	03/28/12 ²	220	---	400	3.5	4.1	1.2	6.3	<0.50	1.5	130	<1.0	<1.0	<1.0
	04/27/12 ²	1,300	---	710	43	<0.50	3	35	<1.0	64	4,200	<1.0	<1.0	1
	05/25/12 ²	280	---	440	<0.50	<0.50	<0.50	2	<1.0	14	6,200	<1.0	<1.0	<1.0
	06/15/12 ²	460	---	380	17	4	6	50	<1.0	12	780	<1.0	<1.0	<1.0
GMW-O-15	10/16/08	1,700	2,800	---	550	3	37	34.1	<5.0	110	---	---	---	---
	03/16/10 ²	530	8,900	---	10	1.1	0.64	2.7	<0.50	400	<10	<1.0	<1.0	1.9
	04/16/10	6,700	62,000	---	1,700	54	120	176	<10	1,300	1,800	<10	<10	11
	05/25/10	650	5,600	---	82	16	8.4	44	<2.0	180	1,500	<2.0	<2.0	<2.0
	06/25/10 ²	490	900	---	96	9.7	9.6	33.4	<1.0	240	2,900	<1.0	<1.0	1.1
	07/13/10 ²	580	250	---	110	7.5	11	33.7	<1.0	300	5,100	<1.0	<1.0	1.5
	08/12/10 ²	710	370	---	120	4.1	10	43	<1.0	260	5,300	<1.0	<1.0	1.5
	09/20/10 ²	620	500	---	120	3.3	13	29.4	<1.0	230	6,000	<1.0	<1.0	1.4
	10/5/2010 ²	14,000	6,000	---	1,800	280	92	1,120	<20	3,200	3,000	<20	<20	35
	11/23/10	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/22/10	28,000	19,000	---	3,900	610	850	4,200	<40	1,900	1,300	<40	<40	<40
	01/12/11	12,000	15,000	---	1,300	49	280	1,030	<20	430	12,000	<20	<20	<20
	02/24/11 ²	12,000	10,000	---	700	450	310	1,770	<1.0	970	4,100	<1.0	<1.0	20
	03/23/11 ²	2,400	4,300	---	210	47	39	250	<2.0	310	3,600	<2.0	<2.0	5.2
	04/29/11 ²	1,200	1,500	---	250	27	27	154	<2.0	350	3,900	<2.0	<2.0	2.4
	05/13/11 ²	1,300	1,600	---	200	18	22	127	<2.0	350	6,600	<2.0	<2.0	3.6
	06/22/11 ²	1,800	1,200	---	190	95	34	219	<1.0	310	6,800	<1.0	<1.0	1.8
	07/12/11 ²	1,000	970	---	150	17	14	97	<2.0	220	6,400	<2.0	<2.0	<2.0
	08/19/11 ²	33,000	550,000	---	820	2,200	610	4,400	<50	290	9,200	<50	<50	<50
	09/22/11 ²	3,400	1,000	---	480	290	58	325	<5.0	640	6,800	<5.0	<5.0	10
	10/13/11 ²	3,900	1,600	---	530	290	73	460	<10	220	3,200	<10	<10	<10
	12/21/11 ²	520	570	---	110	2	6	22	<2.0	79	5,300	<2.0	<2.0	<2.0
	1/10/12 ²	470	1,200	---	110	1.3	6.9	15	<1.0	86	4,300	<1.0	<1.0	1.2
	02/23/12 ²	4,800	6,900	---	340	390	85	600	<5.0	110	4,000	<5.0	<5.0	17
	03/28/12 ²	1,300	---	120	230	68	13	110	<2.0	99	4,600	<2.0	<2.0	<2.0
	03/28/12 ²	1,300	---	120	230	68	13	110	<2.0	99	4,600	<2.0	<2.0	<2.0
04/27/12 ²	2,100	---	1,300	180	67	16	160	<1.0	49	4,300	<1.0	<1.0	1.0	
05/25/12 ²	110,000	---	24,000	320	270	420	3,400	<100	190	<1,000	<100	<100	100	
GMW-O-16	11/27/96	---	---	---	570	67	14	360	<5.0	120	---	---	---	---
	07/17/97	<100	---	---	<0.5	<0.5	<0.5	<1.0	<0.5	310	---	---	---	---
	01/06/98	<100	---	---	<0.5	<0.5	<0.5	<1.5	<0.5	<5.0	---	---	---	---
	01/09/98	4,600	---	---	---	---	---	---	---	---	---	---	---	---
	05/20/98	<300	---	---	<0.5	<0.5	<0.5	<1.0	<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	<1.0	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	---	---	---	---

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL DATA
JUNE 2012 MONTHLY MONITORING EVENT
 SFPP Norwalk Pump Station
 Norwalk, California

Results reported in micrograms per liter (µg/L)

Sample ID	Date	TPH-g	TPH-fp	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes ¹	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME	
GMW-O-16	11/30/00	<300	<100	---	0.8	<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	---	---	---	---	
	04/10/02	<300	<100	---	<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	---	---	---	---	
	04/09/03	<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	---	---	---	---	
	04/22/04	<50	3,600	---	<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	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	---	---	---	---	---
	05/05/07	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	11/14/07	<50	1,400	---	<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	<1.0	<1.0	<1.0
	10/21/09	<50	250	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	03/16/10	<50	140	---	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<10	<1.0	<1.0	<1.0
	04/16/10	<50	<100	---	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.50	<10	<1.0	<1.0	<1.0
	05/26/10	<50	120	---	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	0.88	<10	<1.0	<1.0	<1.0
	06/22/10	<50	<100	---	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<10	<1.0	<1.0	<1.0
	07/13/10	<50	<100	---	0.73	<0.5	<0.5	<0.5	<0.5	<0.5	1.9	<10	<1.0	<1.0	<1.0
	08/12/10	<50	<100	---	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	2.3	<10	<1.0	<1.0	<1.0
	09/20/10	<50	170	---	0.69	<0.5	<0.5	<0.5	<0.5	<0.5	3.1	<10	<1.0	<1.0	<1.0
	10/06/10	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<10	<1.0	<1.0	<1.0
	11/16/10	<50	160	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	4	<10	<1.0	<1.0	<1.0
	12/22/10	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2	<10	<1.0	<1.0	<1.0
01/11/11	<50	<100	---	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	0.94	<10	<1.0	<1.0	<1.0	
02/24/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.67	<10	<1.0	<1.0	<1.0	
03/23/11	<50	100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.6	<10	<1.0	<1.0	<1.0	
04/12/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<10	<1.0	<1.0	<1.0	
05/13/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<10	<1.0	<1.0	<1.0	
06/22/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.9	<10	<1.0	<1.0	<1.0	
07/12/11	<50	120	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<10	<1.0	<1.0	<1.0	
08/19/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.5	<10	<1.0	<1.0	<1.0	
09/22/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.9	<10	<1.0	<1.0	<1.0	
10/11/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<10	<1.0	<1.0	<1.0	
11/28/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<10	<1.0	<1.0	<1.0	
12/21/11	<50	<100	---	<0.5	<0.5	<0.5	0.5	<0.5	<0.5	1.8	<10	<1.0	<1.0	<1.0	
01/09/12	<50	<100	---	<0.50	<0.50	<0.50	1.4	<0.50	<0.50	3.4	<10	<1.0	<1.0	<1.0	

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Sample ID	Date	TPH-g	TPH-fp	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes ¹	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-16	02/23/12	<50	<100	---	<0.50	<0.50	<0.50	<0.50	<0.50	2.3	<10	<1.0	<1.0	<1.0
	03/28/12	<50	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	2	<10	<1.0	<1.0	<1.0
	04/18/12	<50	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	0.79	<10	<1.0	<1.0	<1.0
	05/25/12	<50	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
	06/15/12	<50	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
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	3,000	---	---	---	---
	01/07/98	<100	---	---	<5	<5	<5	<15	<5	3,200	---	---	---	---
	05/21/98	2,000	---	---	<100	<100	<100	<200	<100	5,600	---	---	---	---
	11/17/98	543	<100	---	<0.5	1	<0.5	2.6	<0.5	1,420	---	---	---	---
	05/06/99	2,700	---	---	<5	<5	<5	<5	<13	15,000	---	---	---	---
	11/18/99	2,900	<100	---	<13	<12.5	<12.5	<12.5	<13	6,700	---	---	---	---
	05/19/00	3,500	<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	<1.0	<1.0	<1.0
	10/21/09	2,400	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	1,300	6,600	---	0.67	<0.5	3.1	12.9	<0.50	1.2	2,400	<1.0	<1.0	<1.0
	05/25/10	110	540	---	<0.5	<0.5	<0.5	<0.5	<1.0	2.9	6,500	<1.0	<1.0	<1.0
	06/25/10 ²	74	140	---	<0.5	<0.5	<0.5	<0.5	<0.5	0.5	8,300	<1.0	<1.0	<1.0
	07/14/10 ²	110	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	0.85	11,000	<1.0	<1.0	<1.0
	08/12/10 ²	220	<100	---	0.64	<0.5	<0.5	<0.5	<1.0	0.93	15,000	<1.0	<1.0	<1.0
	09/20/10 ²	290	<100	---	1.1	<0.5	<0.5	0.55	<1.0	1.2	23,000	<1.0	<1.0	<1.0
	10/5/10 ²	4,000	1,100	---	1,200	420	23	231	<10	670	2,600	<10	<10	<10
	11/16/10 ²	2,000	120	---	<0.5	<0.5	<0.5	<0.5	<1.0	0.53	21,000	<1.0	<1.0	<1.0
	12/22/10	---	---	---	---	---	---	---	---	---	---	---	---	---
	01/12/11 ²	3,000	130	---	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	29,000	<2.0	<2.0	<2.0
	02/24/11 ²	1,400	2,100	---	60	31	19	123	<0.5	380	1,600	<1.0	<1.0	3.9
	03/23/11 ²	110	230	---	6	1.4	1.1	8.1	<0.5	2.9	3,300	<1.0	<1.0	<1.0
04/29/11 ²	<50	120	---	3.7	<0.5	<0.5	1.7	<0.5	7.5	780	<1.0	<1.0	<1.0	
05/13/11 ²	<100	230	---	<0.5	<0.5	<0.5	<0.5	<1.0	<0.5	<10	<1.0	<1.0	<1.0	
06/22/11 ²	7,500	37,000	---	<0.5	<0.5	<0.5	436	<1.0	5.5	3,200	<1.0	<1.0	<1.0	
08/19/11 ²	2,600	12,000	---	17	3.9	3.2	40	<2.0	85	61	<2.0	<2.0	<2.0	
09/22/11 ²	34,000	64,000	---	700	110	690	5300	<50	400	6,100	<50	<50	54	
10/14/11 ²	6,000	36,000	---	190	13	36	100	<20	1,600	6,600	<20	<20	26	
11/23/11 ²	25,000	150,000	---	65	<10	51	<10	<20	310	6,000	<20	<20	22	
12/21/11 ²	190	26,000	---	<0.5	<0.5	<0.5	0.53	<0.5	70	1,600	<1.0	<1.0	<1.0	

TABLE 2

**SUMMARY OF GROUNDWATER ANALYTICAL DATA
JUNE 2012 MONTHLY MONITORING EVENT**
SFPP Norwalk Pump Station
Norwalk, California

Results reported in micrograms per liter (µg/L)

Sample ID	Date	TPH-g	TPH-fp	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes ¹	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-18	01/10/12 ²	570	1,400	---	100	<0.50	5.3	3.9	<1.0	110	4,800	<1.0	<1.0	2.2
	02/23/12 ²	180	140	---	8.8	6.8	0.84	7.8	<0.50	5.9	9,200	<1.0	<1.0	<1.0
	03/28/12 ²	140	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	10,000	<1.0	<1.0	<1.0
	05/25/12 ²	100	---	<50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	7,700	<1.0	<1.0	<1.0
	06/15/12 ²	180	---	50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	17,000	<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	---	---	---	---
	04/22/04	<50	1,400	---	<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	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
04/16/10	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	
05/26/10	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	
06/22/10	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	
07/13/10	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	
08/12/10	<50	<100	---	0.52	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	
09/20/10	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	
10/06/10	<50	340	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	
11/16/10	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	
12/22/10	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	
01/11/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	
02/24/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0	

TABLE 2

**SUMMARY OF GROUNDWATER ANALYTICAL DATA
JUNE 2012 MONTHLY MONITORING EVENT**

SFPP Norwalk Pump Station
Norwalk, California

Results reported in micrograms per liter (µg/L)

Sample ID	Date	TPH-g	TPH-fp	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes ¹	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
GMW-O-19	03/23/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	04/12/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	05/13/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	06/22/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	07/11/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	08/19/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	09/22/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	10/11/11	<50	110	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	11/28/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	12/21/11	<50	<100	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	<1.0	<1.0	<1.0
	01/10/12	<50	<100	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
	02/23/12	<50	<100	---	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
	03/28/12	<50	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
	04/17/12	<50	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
	05/25/12	<50	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0
06/15/12	<50	---	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<10	<1.0	<1.0	<1.0	
PZ-5	10/07/03	6,900	<100	---	11	<10	<10	<10	<20	9,100	---	---	---	---
	05/05/05	<50	<100	---	0.87	<0.5	<0.5	<0.5	<0.5	43	---	---	---	---
	11/02/05	1,200	<100	---	<2.5	<2.5	<2.5	<2.5	<5.0	2,100	---	---	---	---
	02/28/06	160	<100	---	<0.5	<0.5	<0.5	<0.5	<1	380	---	---	---	---
	05/04/06	1,200	<100	---	<2	<2	<2	<2	<4	1,900	---	---	---	---
	09/19/06	480	<100	---	<1	<1	<1	<1	<2	1,200	---	---	---	---
	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	1,500	370	---	<2	<2	<2	<2	<4	2,000	---	---	---	---
	10/16/08	<3,000	210	---	22	<15	<15	<15	<30	1,900	---	---	---	---
	02/24/09	1,000	440	---	61	<1	<1	<1	<2	1,200	37,000	---	---	---
	02/24/09 ⁴	2,400	1,000	---	71	<100	<100	<100	<50	1,400	47,000	<200	<200	<200
	04/23/09	1,200	760	---	250	<2	5.7	<2	<4	1,200	35,000	<4	<4	<4
	07/22/09	3,800	1,800	---	2,000	20	98	77	<5	800	54,000	<5	<5	<5
	10/23/09	2,900	1,300	---	1,100	18	53	69	<10	500	50,000	<10	<10	<10
	03/16/10	1,700	890	---	370	2.1	33	9.4	<4.0	350	58,000	<4.0	<4.0	<4.0
	04/16/10	1,600	1,100	---	110	<2.5	9.7	4.6	<5.0	340	91,000	<5.0	<5.0	<5.0
	05/27/10	3,200 J	1,300	---	1,100	<25	66	<25	<50	360	69,000	<50	<50	<50
06/22/10	3,600	900	---	1,500	<10	96	<10	<20	450	73,000	<20	<20	<20	
07/14/10	4,600	1,300	---	1,900	<10	180	<10	<20	530	82,000	<20	<20	<20	
08/12/10	9,100	1,600	---	4,400	<5.0	340	50.6	<10	490	64,000	<10	<10	<10	
09/20/10	8,500	1,800	---	4,200	2.8	110	16.8	<4.0	370	43,000	<4.0	<4.0	<4.0	
10/07/10	6,300	1,000	---	3,100	<20	56	<20	<40	150	40,000	<40	<40	<40	
11/16/10	3,400	1,600	---	1,600	<10	10	15	<20	130	20,000	<20	<20	<20	
12/22/10	3,400	1,700	---	1,600	<10	<10	<10	<20	100	22,000	<20	<20	<20	

TABLE 2

**SUMMARY OF GROUNDWATER ANALYTICAL DATA
JUNE 2012 MONTHLY MONITORING EVENT**
SFPP Norwalk Pump Station
Norwalk, California

Results reported in micrograms per liter (µg/L)

Sample ID	Date	TPH-g	TPH-fp	TPH-d	Benzene	Toluene	Ethyl-benzene	Total Xylenes ¹	1,2-DCA	MTBE	TBA	DIPE	ETBE	TAME
PZ-5	01/12/11	4,000	1,200	---	1,500	<5.0	<5.0	<5.0	<10	130	38,000	<10	<10	<10
	02/24/11	1,400	400	---	390	<2.0	<2.0	3.8	<4.0	84	27,000	<4.0	<4.0	<4.0
	03/23/11	1,100	820	---	210	<1.0	<1.0	2.4	<2.0	140	29,000	<2.0	<2.0	<2.0
	04/13/11	830	520	---	59	<1.0	<1.0	<1.0	<2.0	120	28,000	<2.0	<2.0	<2.0
	05/13/11	2,000	830	---	710	4.7	25	25.8	<5.0	140	34,000	<5.0	<5.0	<5.0
	06/22/11	4,500	1,100	---	960	9	30	80	<10	100	33,000	<10	<10	<10
	07/12/11	3,300	1,200	---	1,500	16	50	77	<20	110	34,000	<20	<20	<20
	08/19/11	2,600	1,200	---	750	9	63	45.4	<10	150	47,000	<10	<10	<10
	09/22/11	4,700	1,400	---	1,600	33	100	197	<20	200	64,000	<20	<20	<20
	10/14/11	4,600	1,500	---	1,500	31	130	190	<10	170	58,000	<10	<10	<10
	11/28/11	4,600	1,500	---	1,700	18	150	140	<20	220	61,000	<20	<20	<20
	12/21/11	5,900	2,000	---	2,200	57	160	390	<20	190	61,000	<20	<20	<20
	01/10/12	5,400	1,900	---	2,000	44	140	330	<20	200	38,000	<20	<20	<20
	02/23/12	8,400	1,700	---	3,300	86	280	760	<40	370	29,000	<40	<40	<40
	03/28/12	4,100	---	270	1,800	20	100	170	<20	150	29,000	<20	<20	<20
	04/19/12	2,900	---	260	1,300	<10	97	20	<20	140	58,000	<20	<20	<20
05/25/12	7,500	---	340	3,700	42	210	250	<30	240	68,000	<30	<30	<30	
06/15/12	8,400 J		440	4,500	60	190	320	<100	500	75,000	<100	<100	<100	

Notes

- The total xylenes result is the sum of m,p-xylenes and o-xylenes when detected.
- Groundwater sample collected through a sampling port.
- Free product was present.
- Split groundwater sample analyzed by Calscience Environmental Laboratories, Inc. Results were evaluated to laboratory method detection limits.

Abbreviations

--- = not analyzed or not applicable.

<5.0 = not detected at or above the laboratory reporting limit shown.

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 tertiary butyl ether.

MTBE = methyl tertiary butyl ether.

TAME = tertiary amyl methyl ether.

TBA = tertiary butyl alcohol.

TPH-fp = total extractable petroleum hydrocarbons quantified using a site fuel product standard.

TPH-g = total purgeable petroleum hydrocarbons quantified using a gasoline standard (C4-C13).

TPH-d = total extractable petroleum hydrocarbons quantified using a diesel standard (C13-C22)

TABLE 3

**SUMMARY OF MISCELLANEOUS COMPOUNDS DETECTED IN GROUNDWATER
JUNE 2012 MONTHLY MONITORING EVENT**

SFPP Norwalk Pump Station
Norwalk, California

Results reported in micrograms per liter ($\mu\text{g/L}$)

Well	Sample Date	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene
GMW-36	06/15/12	14	14

TABLE 4
SUMMARY OF TOTAL FLUIDS AND GROUNDWATER EXTRACTION PUMP OPERATION
June 2012 MONTHLY MONITORING EVENT
 SFPP Norwalk Pump Station
 Norwalk, California

Remediation Area	Remediation Well ID	Pump Type	6/26/12 Pump Status (ON/OFF)	Comments
South-Central Area	GMW-9	TFE	OFF	
	GMW-22	TFE	OFF	
	GMW-24	TFE	OFF	
	GMW-25	GWE	OFF	
	GWR-3	GWE	OFF	
	MW-SF-2	TFE	OFF	
	MW-SF-3	TFE	ON	
	MW-SF-6	TFE	OFF	
	MW-SF-11	TFE	OFF	
	MW-SF-12	TFE	ON	
	MW-SF-13	TFE	OFF	
	MW-SF-14	TFE	ON	
	MW-SF-15	TFE	ON	
	MW-SF-16	TFE	OFF	
	MW-O-1	TFE	OFF	
	MW-O-2	TFE	OFF	
	GMW-O-11	TFE	OFF	
	GMW-O-20	TFE	OFF	
GMW-O-21	TFE	ON		
GMW-O-23	TFE	OFF		
Southeastern Area	GMW-O-15	TFE	ON	
	GMW-O-18	TFE	ON	
	GMW-36	TFE	ON	
	GMW-SF-9	TFE	ON	

Notes

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

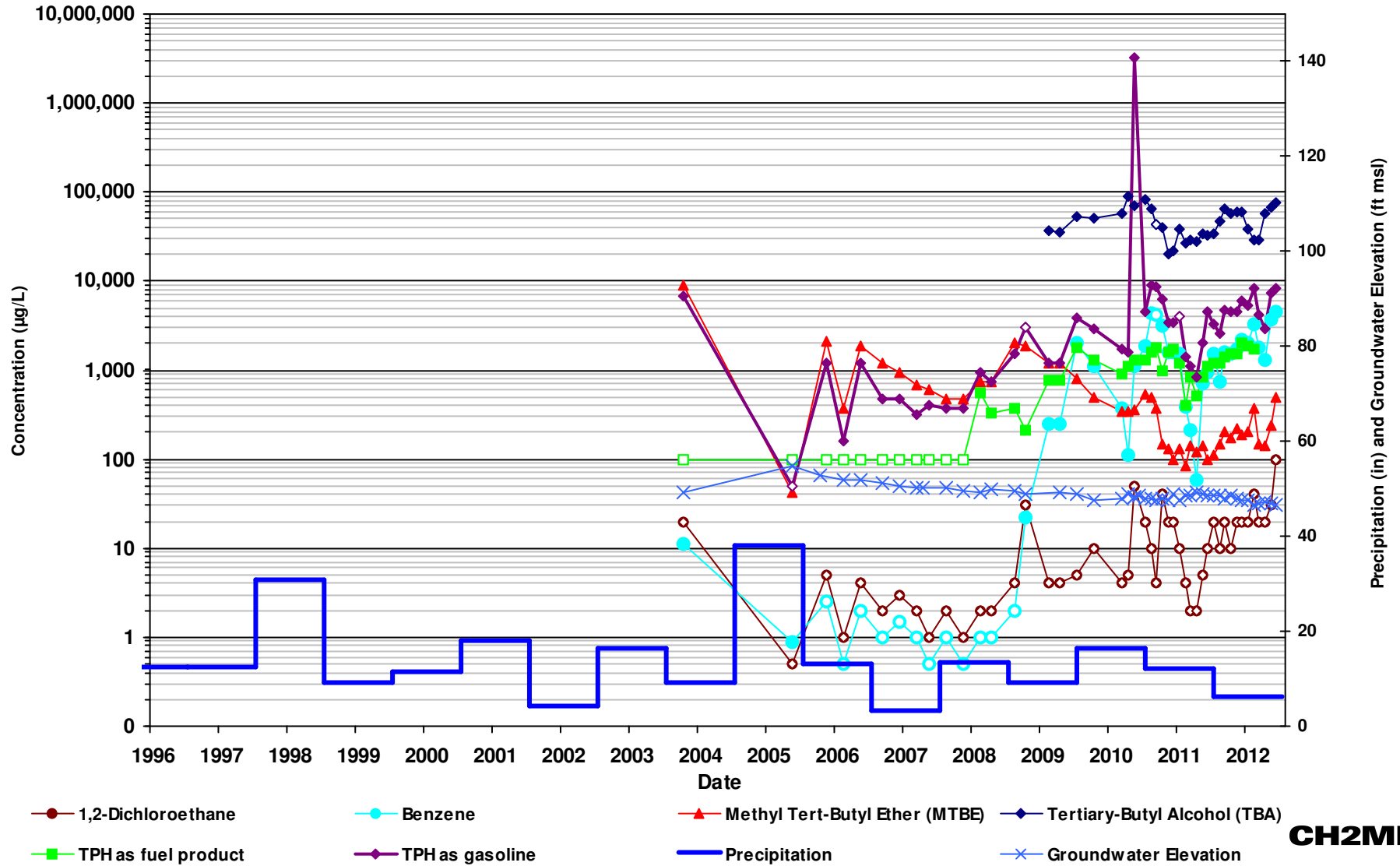
Abbreviations

GWE = groundwater extraction.

TFE = total fluids extraction.

Attachment 1
Concentration Time Series Charts
Wells PZ-5 and GMW-O-18

PZ-5

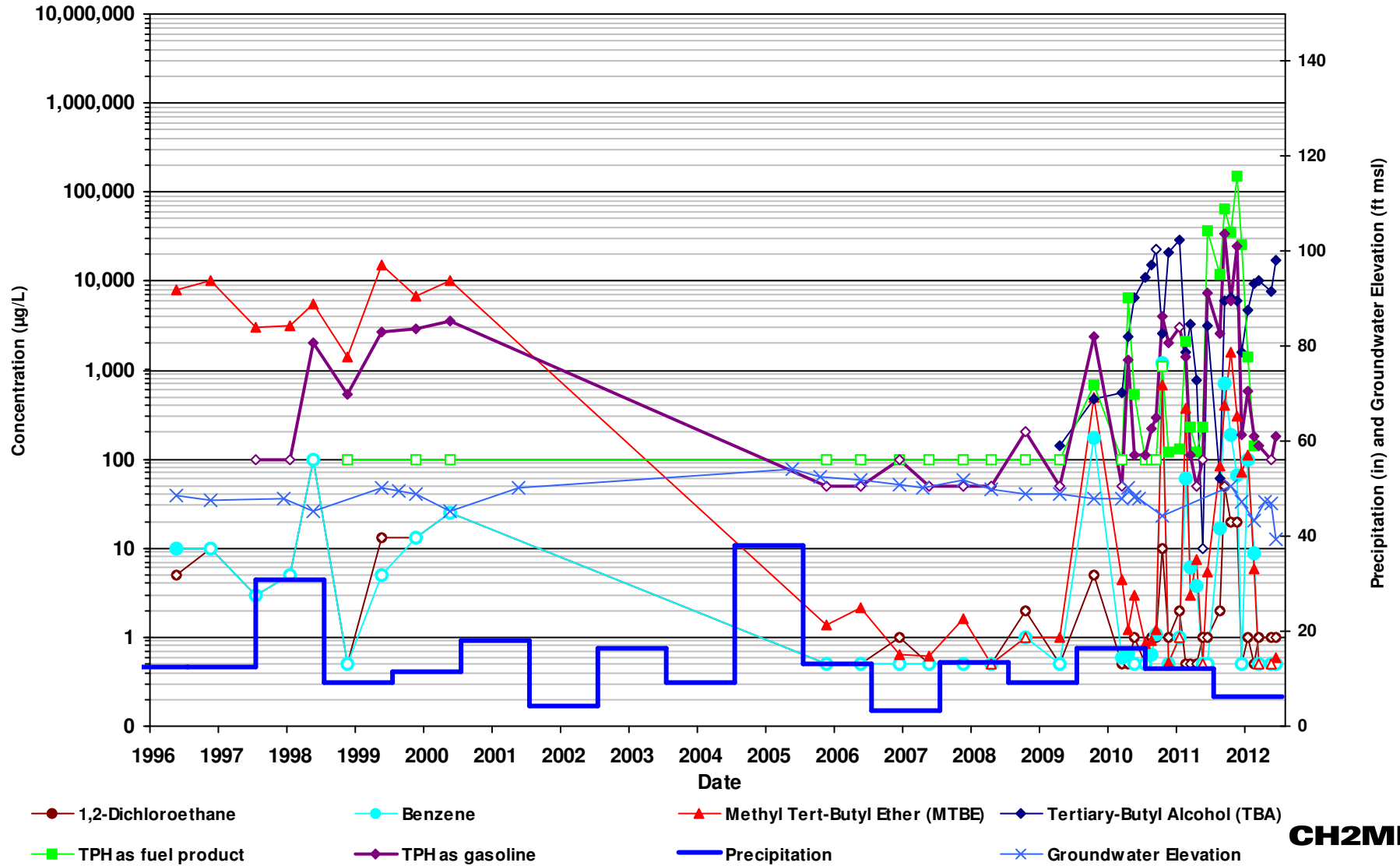


CH2MHILL

Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <http://www.ipm.ucdavis.edu/weather/sites/losangeles.html>

GMW-O-18



CH2MHILL

Non detect results (ND) are plotted with an open symbol using the laboratory reporting limit.

Precipitation data reported as annual rainfall which is calculated from Long Beach CIMIS #174 weather station. source: <http://www.ipm.ucdavis.edu/weather/sites/losangeles.html>