

Appendix A
Well Purging and Sampling Records –
January 2011 Sentry Event

WELL GAUGING DATA

Project # 110110-TR1 Date 1/10/11 Client KMEP

Site Kinder Morgan Norwalk

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
EXP-1	4					54.77	128.82		0715
EXP-2	4					55.18	128.00		0719
EXP-3	4					53.88	123.02		0724
EXP-5	4					48.69	113.26		0733
GMW-1	4					28.22	49.63		0933
GMW-27	4					27.97	49.15		0928
GMW-30	4					28.61	49.85		0939
GMW-36	4		27.70	1.40		29.10	—		1040
GMW-37	4					29.90	53.48		0845
GMW-38	4					28.00	53.18		0905
GMW-39	4					27.63	50.43		0915
GMW-9	4					32.02	49.97		0945
GMW-O-1	4					24.14	49.14		0755
GMW-O-10	4					27.30	49.96		0814
GMW-O-12	4		26.32	0.10		26.42	—		0948
GMW-O-14	4					27.12	49.61		0825
GMW-O-15	4					25.97	49.33		1030

WELL GAUGING DATA

Project # 110110-TR1 Date 1/10/11 Client FMEP

Site Kinder Morgan Norwalk

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
GMW-O-16	4					26.42	48.62		0855
GMW-O-17	4					25.64	39.56		0830
GMW-O-18	UNABLE TO ACCESS - EXT. EQUIPMENT								
GMW-O-19	4					26.37	40.03		0858
GMW-O-2	4					25.13	49.18		0800
GMW-O-20	4		26.48	0.14		24.02	—		
GMW-O-23	4					27.45	29.17		0943
GMW-O-3	4					25.17	48.35		0805
GMW-O-9	4					26.69	49.98		0810
GMW-SF-8	4					28.85	43.70		0850
HL-2	4					29.90	39.08		0920
MW-8	4					28.53	51.90		0910
MW-O-2	UNABLE TO ACCESS - EXT. EQUIPMENT								
MW-SF-1	6					32.51	51.33		0957
MW-SF-2	4		32.50	0.12		32.62	—		1002
MW-SF-4	4					32.99	44.40		1010
MW-SF-5	6					33.00	57.00	↓	0950

WELL GAUGING DATA

Project # 110110-TR1 Date 1/10/11 Client KMEP

Site Kinder Morgan Norwalk

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Time
MW-SF-6	6					30.87	41.45	↓	0954
MW-SF-9	4					27.41	38.30		0937
PZ-2	4					27.57	49.45		0924
PZ-5	4					26.54	38.55		1020
WCW-13	4					30.96	60.30		0738
WCW-3	4					29.50	50.48		0745
WCW-7	4					29.87	51.50		0750

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110 - TR 1	Client: KMEP
Sampler: m	Start Date: 1/10/11
Well I.D.: EXP-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 128.82	Depth to Water: Pre: 54.77 Post: 54.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1131 Flow Rate: 500 mL/min Pump Depth: 110'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1134	21.4	7.08	1139	5	1.40	37.5	1500	54.80
1137	21.4	7.12	1180	3	1.13	35.7	3000	54.80
1140	21.6	7.14	1188	3	1.05	33.8	4500	54.80
1143	21.6	7.14	1192	3	1.01	33.5	6000	54.80
1146	21.6	7.14	1192	3	1.00	33.2	7500	54.80
1149	21.7	7.16	1195	2	0.96	33.0	9000	54.80

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.0 L
Sampling Time: 1150	Sampling Date: 1/10/11
Sample I.D.: EXP-1	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE	Other:
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: EXP-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 128.00	Depth to Water: Pre: 55.18 Post: 55.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1210 Flow Rate: 500 ML/MIN Pump Depth: 112'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ML</u>)	Depth to water
1213	21.0	7.30	1744	4	1.20	30.5	1500	55.18
1216	21.1	7.27	1736	3	1.43	27.4	3000	55.20
1219	21.1	7.25	1730	3	1.14	25.6	4500	55.20
1222	21.2	7.25	1723	3	1.10	25.1	6000	55.20
1225	21.2	7.24	1720	3	1.07	25.0	7500	55.20

Did well dewater? Yes <input type="checkbox"/> <u>No</u>	Amount actually evacuated: <u>7.5 L</u>
Sampling Time: <u>1226</u>	Sampling Date: <u>1/10/11</u>
Sample I.D.: <u>EXP-2</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOCs</u> <u>MTBE</u>	Other: _____
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110 - TR 1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: EXP-3	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: 123.02	Depth to Water: Pre: 53.88 Post: 53.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1248 Flow Rate: 500 mL/MIN Pump Depth: 112'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
1251	21.4	7.43	1200	5	1.30	34.2	1500	53.90
1254	21.6	7.46	1185	3	1.08	25.8	3000	53.90
1257	21.6	7.47	1168	3	0.97	22.6	4500	53.90
1301	21.7	7.48	1165	2	0.93	20.9	6000	53.90
1304	21.7	7.48	1165	2	0.92	20.5	7500	53.90

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7.5 L
Sampling Time: 1305	Sampling Date: 1/10/11
Sample I.D.: EXP-3	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> <u>MTBE</u>	Other:
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110 - TR1	Client: KMEP
Sampler: M	Start Date: 1/10/11
Well I.D.: EXP-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 113.26	Depth to Water: Pre: 48.69 Post: 48.71
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVO</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1332 Flow Rate: 500 mL / MIN Pump Depth: 110'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
1335	20.8	7.17	1363	5	1.83	37.5	1500	48.70
1338	20.9	7.13	1391	3	1.64	30.4	3000	48.71
1341	20.9	7.11	1389	3	1.60	26.5	4500	48.71
1344	21.0	7.11	1393	3	1.52	25.6	6000	48.71
1347	21.0	7.10	1395	3	1.50	25.0	7500	48.71
1350	21.0	7.11	1398	2	1.56	26.0	9000	48.71

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 9.02
Sampling Time: 1351	Sampling Date: 1/10/11
Sample I.D.: EXP-5	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> <u>MTBE</u>	Other:
Equipment Blank I.D.: @ _____	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: GMW-34	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.92	Depth to Water: Pre: 29.10 Post: 29.06
Depth to Free Product: 27.70	Thickness of Free Product (feet): 1.40
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump CHECK VALVE + WATER PUMP Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1118 Flow Rate: 200 mL/MIN Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1121	21.8	7.17	2152	30	5.83	-217.5	1500	29.06
1124	22.0	7.08	2253	35	5.14	-236.5	3000	29.06
1127	21.9	7.11	2260	30	3.84	-240.8	4500	29.06
1130	21.9	7.15	2196	28	3.56	-261.3	6000	29.06
1133	22.0	7.12	2214	30	3.69	-244.8	7500	29.06
1136	21.9	7.13	2208	27	3.55	-268.5	9000	29.04

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 9.0 L
Sampling Time: 1137	Sampling Date: 1/12/11
Sample I.D.: GMW-34	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> <u>MTBE</u>	Other: _____
Equipment Blank I.D.: EB-3 @ 1215 Time	Duplicate I.D.: <u>EB-3</u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: GMW-38	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 53.18	Depth to Water: Pre: 28.00 Post: 28.09
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1303 Flow Rate: 500 mL / MIN Pump Depth: 47'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1304	21.9	7.40	545	10	1.52	-15.9	1500	28.06
1309	22.0	7.32	551	6	1.19	-27.3	3000	28.08
1312	22.0	7.30	562	4	1.08	-31.8	4500	28.08
1315	21.9	7.30	566	3	0.96	-35.6	6000	28.09
1318	22.1	7.27	568	3	0.92	-36.9	7500	28.09
1321	22.1	7.27	570	3	0.91	-37.5	9000	28.09

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.0L
Sampling Time: 1322	Sampling Date: 1/11/11
Sample I.D.: GMW-38	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE Other:	
Equipment Blank I.D.: @ _____ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: K	Start Date: 1/10/11
Well I.D.: GMW-39	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.43	Depth to Water: Pre: 27.63 Post: 27.65
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1346 Flow Rate: 500 mL / MIN Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
1349	22.0	7.37	1020	7	1.64	15.0	1500	27.65
1352	22.2	7.27	1019	6	1.10	-3.8	3000	27.65
1355	22.2	7.22	1019	4	0.99	-8.9	4500	27.65
1358	22.3	7.20	1019	4	0.89	-11.3	6000	27.65
1401	22.3	7.20	1018	4	0.85	-14.0	7500	27.65
1404	22.3	7.20	1019	4	0.85	-14.5	9000	27.65

Did well dewater? Yes No Amount actually evacuated: 9.00

Sampling Time: 1405 Sampling Date: 1/11/11

Sample I.D.: GMW-39 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: _____

Equipment Blank I.D.: EB-2 @ 1430 Time Duplicate I.D.: EB-2

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: GMW-0-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.14	Depth to Water: Pre: 24.14 Post: 24.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0900 Flow Rate: 500 mL/MIN Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0903	21.8	7.10	3024	6	1.73	77.3	1500	24.14
0906	22.0	7.03	3080	5	1.52	53.8	3000	24.16
0909	22.0	6.98	3082	5	1.50	50.2	4500	24.16
0912	22.0	6.98	3085	4	1.44	49.0	6000	24.16
0915	22.1	6.98	3085	4	1.40	48.5	7500	24.18

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 7.5 L
Sampling Time: 0916	Sampling Date: 1/11/11
Sample I.D.: GMW-0-1	Laboratory: <u>Alpha Analytical</u>
Analyzed for: TPHg TPHfp VOC's MTBE	Other: _____
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: 12	Start Date: 1/10/11
Well I.D.: GMW-0-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 49.18	Depth to Water: Pre: 25.13 Post: 25.15
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____

Start Purge Time: 0933 Flow Rate: 500 mL / MIN Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0936	21.7	6.94	2800	11	1.40	62.2	1500	25.15
0939	22.0	6.90	2794	4	1.28	60.3	3000	25.15
0942	22.1	6.89	2792	4	1.14	60.0	4500	25.15
0945	22.1	6.89	2790	4	1.10	59.7	6000	25.15
0948	22.1	6.88	2790	3	1.08	58.2	7500	25.15

Did well dewater? Yes No Amount actually evacuated: 7.5 L

Sampling Time: 0949 Sampling Date: 1/11/11

Sample I.D.: GMW-0-2 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: _____

Equipment Blank I.D.: @ _____ Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: <u>✓</u>	Start Date: 1/10/11
Well I.D.: <u>GMW-0-3</u>	Well Diameter: 2 3 <u>(4)</u> 6 8
Total Well Depth: <u>48.35</u>	Depth to Water: Pre: <u>25.17</u> Post: <u>25.27</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1008 Flow Rate: 500 ML/MIN Pump Depth: 44'

Time	Temp. (°C or °F)	pH	Cond. (mS or μ S)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1011	21.8	6.95	2817	44	1.43	-38.2	1500	25.25
1014	22.2	6.90	2812	20	0.82	-51.7	3000	25.25
1017	22.3	6.91	2815	24	0.75	-57.8	4500	25.26
1020	22.3	6.90	2811	25	0.72	-59.1	6000	25.26
1023	22.4	6.90	2810	22	0.70	-60.2	7500	25.27
1026	22.4	6.90	2808	25	0.70	-62.0	9000	25.27

Did well dewater? Yes No Amount actually evacuated: 9.02

Sampling Time: 1027 Sampling Date: 1/11/11

Sample I.D.: GMW-0-3 Laboratory: Alpha Analytical

Analyzed for: TPH_g TPH_{fp} VOC's MTBE Other: _____

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: GMW-0-14	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.61	Depth to Water: Pre: 27.12 Post: 27.18
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1045 Flow Rate: 500 mL / MIN Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
1048	21.7	6.80	1814	30	0.50	-469.3	1500	27.15
1051	22.0	6.85	1816	22	0.40	-177.5	3000	27.15
1054	21.9	6.80	1822	16	0.37	-190.0	4500	27.17
1057	21.9	6.83	1823	18	0.35	-201.3	6000	27.17
1100	22.0	6.83	1828	15	0.33	-204.0	7500	27.18
1103	22.0	6.83	1828	15	0.32	-205.1	9000	27.18

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>9.02</u>
Sampling Time: <u>1104</u>	Sampling Date: <u>1/11/11</u>
Sample I.D.: <u>GMW-0-14</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOCs</u> <u>MTBE</u>	Other: _____
Equipment Blank I.D.: _____ @ _____ Time	Duplicate I.D.: <u>PUP-1</u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: GMW-0-15	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 49.33	Depth to Water: Pre: 25.97 Post: 26.02
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1023 Flow Rate: 500 mL/MIN Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1024	21.4	7.00	2083	40	0.80	-160.3	1500	25.99
1029	21.7	6.89	2028	19	0.42	-213.3	3000	26.01
1032	22.0	6.92	2009	22	0.52	-230.5	4500	26.01
1035	22.1	6.92	2013	19	0.50	-234.5	6000	26.02
1038	22.2	6.92	2005	18	0.48	-238.0	7500	26.02
1041	22.2	6.91	2005	18	0.46	-240.1	9000	26.02

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.02
Sampling Time: 1042	Sampling Date: 1/12/11
Sample I.D.: GMN-0-15	Laboratory: Alpha Analytical
Analyzed for: (TPH)g (TPH)fp (VOC's) (MTBE)	Other: _____
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: R	Start Date: 1/10/11
Well I.D.: GMW-0-16	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 48.62	Depth to Water: Pre: 26.42 Post: 26.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1125 Flow Rate: 500ML/MIN Pump Depth: 451

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
1128	21.8	7.07	1960	5	1.44	-95.3	1500	26.43
1131	21.9	7.07	1965	5	1.05	-97.5	3000	26.43
1134	21.9	7.08	1964	6	1.08	-96.5	4500	26.43
1137	22.1	7.10	1965	5	1.00	-100.3	6000	26.43
1140	22.1	7.10	1970	4	0.94	-103.0	7500	26.43
1143	22.1	7.11	1972	4	0.94	-103.8	9000	26.43

Did well dewater? Yes No Amount actually evacuated: 9.0L

Sampling Time: 1144 Sampling Date: 1/11/11

Sample I.D.: GMW-0-16 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: _____

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: GMW-0-18	Well Diameter: 2 3 (4) 6 8
Total Well Depth: —	Depth to Water: Pre: — Post: —
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other EXT PORT
 Start Purge Time: 0859 Flow Rate: 500 mL/MIN Pump Depth: —

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0902	18.6	7.13	2491	7	2.18	-112.3	1500	—
0905	18.8	7.03	2497	7	1.84	-102.5	3000	—
0908	18.9	7.04	2496	12	1.62	-100.0	4500	—
0911	18.9	7.05	2491	8	1.72	-97.3	6000	—
0914	19.0	7.07	2492	5	1.32	-101.3	7500	—
0917	19.0	7.07	2496	5	1.30	-98.5	9000	—
0920	19.0	7.04	2490	4	1.22	-99.6	10500	—

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 10.5 L
Sampling Time: 0921	Sampling Date: 1/12/11
Sample I.D.: GMW-0-18	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: —
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.: —

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: GMW-0-19	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 40.03	Depth to Water: Pre: 26.37 Post: 26.39
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1200 Flow Rate: 500 mL / MIN Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1203	21.8	7.30	1464	4	2.02	-91.6	1500	26.39
1206	22.0	7.14	1453	4	1.90	-88.5	3000	26.39
1209	22.1	7.13	1453	3	1.94	-93.5	4500	26.39
1212	22.1	7.13	1454	3	1.88	-94.0	6000	26.39
1215	22.1	7.12	1451	3	1.86	-94.2	7500	26.39

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7.5 L
Sampling Time: 1216	Sampling Date: 1/11/11
Sample I.D.: GMW-0-19	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPH_g</u> <u>TPH_f</u> <u>VOC's</u> <u>MTBE</u>	Other:
Equipment Blank I.D.: @ _____	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: MW-SF-1	Well Diameter: 2 3 4 6 8
Total Well Depth: 51.33	Depth to Water: Pre: 32.51 Post: 31.60
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0740 Flow Rate: 500 mL / MIN Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0743	25.0	7.06	1770	51	0.46	-310.2	1500	31.60
0746	25.3	7.03	1768	29	0.28	-318.5	3000	31.60
0749	25.5	7.01	1766	25	0.25	-321.5	4500	31.60
0752	25.5	7.03	1766	27	0.24	-323.0	6000	31.60
0755	25.5	7.03	1765	25	0.23	-323.8	7500	31.60

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 7.5 L
Sampling Time: 0756	Sampling Date: 1/12/11
Sample I.D.: MW-SF-1	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: MW-SF-4	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: 44.40	Depth to Water: Pre: 32.99 Post: 33.03
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0816 Flow Rate: 500 ML/MIN Pump Depth: 40'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0819	23.1	6.85	1728	32	0.56	-209.5	1500	33.03
0822	23.4	6.82	1738	26	0.31	-214.5	3000	33.03
0825	23.8	6.88	1803	22	0.26	-223.0	4500	33.03
0828	23.8	6.85	1820	20	0.24	-225.2	6000	33.03
0831	23.8	6.85	1824	20	0.22	-226.5	7500	33.03
0834	23.8	6.85	1828	18	0.22	-228.3	9000	33.03

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.0 L
Sampling Time: 0835	Sampling Date: 1/12/11
Sample I.D.: MW-SF-4	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHsp</u> <u>VOC's</u> <u>MTBE</u>	Other:
Equipment Blank I.D.: @ _____	Duplicate I.D.: DUP-2

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: P2-5	Well Diameter: 2 3 4 6 8
Total Well Depth: 49 ^m 45 38.55	Depth to Water: Pre: 26.54 Post: 26.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0939 Flow Rate: 500 mL/min Pump Depth: 35'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0942	21.3	6.47	2396	26	0.98	-96.6	1500	26.54
0945	21.5	6.89	2391	9	0.88	-110.3	3000	26.56
0948	21.5	6.88	2391	7	0.85	-115.2	4500	26.58
0951	21.6	6.87	2388	5	0.81	-115.8	6000	26.59
0954	21.6	6.86	2387	4	0.81	-117.5	7500	26.59
0957	21.6	6.85	2380	4	0.81	-117.3	9000	26.59

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 9.0L
Sampling Time: 0958	Sampling Date: 1/12/11
Sample I.D.: P2-5	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: _____
Equipment Blank I.D.: @ Time	Duplicate I.D.: DUP-3

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: WCW-3	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 50.48	Depth to Water: Pre: 29.50 Post: 29.51
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0740 Flow Rate: 500 mL/MIN Pump Depth: 45'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0743	20.9	6.78	3051	7	1.98	114.3	1500	29.50
0746	21.2	6.78	3051	5	1.81	89.3	3000	29.50
0749	21.3	6.75	3046	3	1.70	85.3	4500	29.51
0752	21.3	6.75	3042	2	1.65	82.1	6000	29.51
0755	21.4	6.75	3040	2	1.62	81.9	7500	29.51

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 7.5 L
Sampling Time: 0756	Sampling Date: 1/11/11
Sample I.D.: WCW-3	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOCs MTBE	Other:
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: M	Start Date: 1/10/11
Well I.D.: WCV-7	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 51.50	Depth to Water: Pre: 29.87 Post: 29.95
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0819 Flow Rate: 500 ML / MIN Pump Depth: 48'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
0822	21.3	6.80	4062	10	0.93	-5.9	1500	29.90
0825	21.6	6.78	4070	9	0.72	-25.8	3000	29.92
0828	21.7	6.76	4077	6	0.70	-40.2	4500	29.93
0831	21.7	6.75	4082	5	0.67	-43.5	6000	29.94
0834	21.8	6.75	4082	5	0.65	-44.5	7500	29.94
0837	21.8	6.75	4085	5	0.66	-45.0	9000.0	29.95

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 9.02
Sampling Time: 0838	Sampling Date: 1/11/11
Sample I.D.: WCV-7	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp <u>VOC's</u> MTBE	Other:
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP
Sampler: TR	Start Date: 1/10/11
Well I.D.: WCN-13	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 60.30	Depth to Water: Pre: 30.96 Post: 31.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1415 Flow Rate: 500 mL/MIN Pump Depth: 55'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1418	20.54	7.25	2374	28	1.71	30.2	1500	31.00
1421	20.5	7.28	2373	14	1.27	25.3	3000	31.00
1424	20.5	7.28	2371	10	1.22	23.5	4500	31.00
1427	20.5	7.28	2370	9	1.09	23.0	6000	31.01
1430	20.6	7.29	2368	10	1.02	22.2	7500	31.01
1433	20.6	7.30	2366	9	1.00	22.0	9000	31.01

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 9.0 L
Sampling Time: 1434	Sampling Date: 1/11/10
Sample I.D.: WCN-13	Laboratory: Alpha Analytical
Analyzed for: TPHg <input checked="" type="checkbox"/> TPHfp <input checked="" type="checkbox"/> VOC's <input checked="" type="checkbox"/> MTBE <input checked="" type="checkbox"/> Other: _____	
Equipment Blank I.D.: EB-1 @ Time 1500	Duplicate I.D.: _____

BLAINE

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

TECH SERVICES, INC.

CONDUCT ANALYSIS TO DETECT

LAB Alpha Analytical COC / of /

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

CHAIN OF CUSTODY

CLIENT Kinder Morgan

SITE DFSP Norwalk

15306 Norwalk Blvd, Norwalk

TPHg, TPHf (EPA 8015M)

VOC's & Oxygenates (EPA 8260B)

Kinder Morgan Norwalk
 Report to:
 Dan Jablonski
 CH2MHILL
 1000 Wilshire Blvd 21st floor
 Los Angeles, CA 90017

CONTAINERS

SAMPLE I.D.	DATE	TIME	MATRIX	#	Preservation	Type	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB-1	1.10.11	57:00	AQ	2	HCl	VGA				
EXP-1		11:50		8						
EXP-2		12:26		8						
EXP-3		13:05		8						
EXP-5		13:51		8						
WCW-13		14:34		8						
EB-1		15:00		8						

SAMPLING COMPLETED DATE 1.10.11 TIME 15:00 PERFORMED BY T. RHYMES

RELEASED BY [Signature] DATE 1.10.11 TIME 16:00 RECEIVED BY [Signature] TIME 16:00

RELEASED BY [Signature] DATE 1.10.11 TIME 16:00 RECEIVED BY [Signature] TIME 16:00

SHIPPED VIA [Signature] DATE 1.10.11 TIME 16:00 RECEIVED BY [Signature] TIME 16:00

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112-1105
FAX (408) 573-7771
PHONE (408) 573-0555

LAB

Alpha Analytical COC 1 of 2

Billing Information:
Kinder Morgan
1100 Town and Country Rd.
Orange CA 95112

CHAIN OF CUSTODY

CLIENT
Kinder Morgan

SITE
DFSP Norwalk

15306 Norwalk Blvd, Norwalk

Kinder Morgan Norwalk
Report to:
Dan Jablonski
CH2MHILL
1000 Wilshire Blvd 21st floor
Los Angeles, CA 90017

CONDUCT ANALYSIS TO DETECT

TPHg, TPHfp (EPA 8015M) X
VOC's & Oxygenates (EPA 8260B) X

CONTAINERS

SAMPLE I.D.	DATE	TIME	MATRIX	Water	#	Preservation	Type	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE:
TB-1	1-11-11	0700	A-Q	2	HCl	Vof					
EB-2		1430			B						
GMW-39		1405									
GMW-38		1322									
GMW-0-19		1210									
GMW-0-10		1144									
GMW-0-14		1104									
DUR-1		-									
GMW-0-3		1027									
GMW-0-2		0949									

RESULTS NEEDED
NO LATER THAN

Standard

RELEASED BY: *[Signature]* DATE: 1-11-11 TIME: 1545
RECEIVED BY: *[Signature]* DATE: 1-11-11 TIME: 1545

RELEASED BY: *[Signature]* DATE: TIME:
RECEIVED BY: DATE: TIME:

RELEASED BY: DATE: TIME:
RECEIVED BY: DATE: TIME:

SHIPPED VIA: TIME SENT: COOLER #:

BLAINE

TECH SERVICES, INC.
 1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

LAB Alpha Analytical COC 2 of 2

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Kinder Morgan Norwalk
 Report to:
 Dan Jablonski
 CH2MHILL
 1000 Wilshire Blvd 21st floor
 Los Angeles, CA 90017

CHAIN OF CUSTODY


CLIENT Kinder Morgan


SITE DFSP Norwalk


15306 Norwalk Blvd, Norwalk


SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		TPHg, TPHp (FPA 8015M)	VOC's & Oxygenates (FPA 8260B)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
				#	Preservation Type						
GMW-2-1	1-11-11	0710	AQ	3	HCl VOP	X	X				
NCW-7	1	0838	↓	↓	↓	X	X				
NCW-3	↓	0756	↓	↓	↓	X	X				


RESULTS NEEDED NO LATER THAN **Standard**

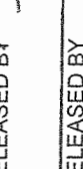
RECEIVED BY  TIME 1545 DATE 1-11-11

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RECEIVED BY  TIME 1545 DATE 1-11-11

RECEIVED BY  TIME 1545 DATE 1-11-11

SHIPPED VIA _____ COOLER # _____

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

TPHg, TPHp (EPA 8015M)
 VOCs & Oxygenates (EPA 8260B)

LAB Alpha Analytical COC of

Billing Information:
 Kinder Morgan
 1100 Town and Country Rd.
 Orange CA 95112

Kinder Morgan Norwalk
 Report to:
 Dan Jablonski
 CH2MHILL
 1000 Wilshire Blvd 21st floor
 Los Angeles, CA 90017

CHAIN OF CUSTODY

CLIENT Kinder Morgan
 SITE DFSP Norwalk
 15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	#	Preservation	Type	CONTAINERS	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB-3	1-12-11	0700	AQ	2	HCl	VOA					
EB-3		1215		0							
GMW-36		1137									
GMW-0-15		1042									
PL-5		0958									
DUP-3											
GMW-0-18		0921									
AWSF-4		0835									
DUP-2											
AWSF-1		0756									

SAMPLING PERFORMED BY **TRH/MES**
 RESULTS NEEDED NO LATER THAN **Standard**

RELEASED BY **TRH** TIME 1-12-11 1300 DATE 1-12-11 TIME
 RECEIVED BY **TRH** TIME TIME DATE DATE TIME TIME
 RECEIVED BY **TRH** TIME TIME DATE DATE TIME TIME
 RECEIVED BY TIME TIME DATE DATE TIME TIME

SHIPPED VIA TIME SENT COOLER #

WELLHEAD INSPECTION CHECKLIST

Client Kinder Morgan Date 1/10/11

Site Address Norwalk

Job Number 110110 - TR1 Technician TR

Well ID	Well Inspected - No Corrective Action Required	Flush Mounted wellbox	Standpipe	Guard posts	Stripped or Missing Bolts	Expansion Cap	Lock	Cracked Apron	Well Not Inspected (explain below)	Repair Order Submitted
EXP-1	X		X	X						
EXP-2	X		X	X						
EXP-3	X		X	X						
EXP-5	X	X								
GMW-1	X									
GMW-27		X								
GMW-30	X		X							
GMW-36	X	X								
GMW-37	X		X	X						
GMW-38	X		X	X						
GMW-39	X		X	X						
GMW-9	X		X	X						
GMW-O-1	X	X								
GMW-O-10	X	X								
GMW-O-12	X	X								
GMW-O-14	X	X								
GMW-O-15										

NOTES: GMW-27: NO LIP, MARKED W/ CONE, MARKED W/ STAKE

WELLHEAD INSPECTION CHECKLIST

Client Kinder Morgan Date 1/10/11

Site Address Norwalk

Job Number 110110 - TR1 Technician TR

Well ID	Well Inspected - No Corrective Action Required	Flush Mounted wellbox	Standpipe	Guard posts	Stripped or Missing Bolts	Expansion Cap	Lock	Cracked Apron	Well Not Inspected (explain below)	Repair Order Submitted
GMW-O-16	X	X								
GMW-O-17	X	X								
GMW-O-18	X	X								
GMW-O-19	X	X								
GMW-O-2	X	X								
GMW-O-20	X	X								
GMW-O-23	X	X								
GMW-O-3	X	X								
GMW-O-9	X	X								
GMW-SF-8	X	X	X (TR) X							
HL-2	X		X	X						
MW-8	X	X								
MW-O-2	X	X								
MW-SF-1	X		X	X						
MW-SF-2	X		X	X						
MW-SF-4	X	X (TR)	X	X						
MW-SF-5	X	X (TR)	X	X						

NOTES:

WELLHEAD INSPECTION CHECKLIST

Client Kinder Morgan Date 1/10/11

Site Address Norwalk

Job Number 110110-TR1 Technician TR

Well ID	Well Inspected - No Corrective Action Required	Flush Mounted wellbox	Standpipe	Guard posts	Stripped or Missing Bolts	Expansion Cap	Lock	Cracked Apron	Well Not Inspected (explain below)	Repair Order Submitted
MW-SF-6	X		X	X						
MW-SF-9	X		X	X						
PZ-2		X								
PZ-5	X	X								
WCW-13	X	X								
WCW-3	X	X								
WCW-7	X	X								

NOTES: PZ-2 : NO BOLTS

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME		PROJECT NUMBER					
kmp @ Norwalk		110110 - TR					
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP.	INITIALS
YSI 556	09D101246	0450 1/10/11	PH 7 10 4	7.04 10.13 4.00	7.00 10.00 4.00	10°C	TR
			EC 3900	3874	3900	10°C	TR
			D.O —	105.7%	100.0%	10°C	TR
			ORP: 250.5	247.0	250.5	10°C	TR
YSI 556	09D101246	0715 1/11/11	PH 7 10 4	6.92 9.88 4.06	7.00 10.00 4.00	10°C	TR
			EC 3900	3942	3900	10°C	TR
			D.O —	102.3%	100.2%	10°C	TR
			ORP: 250.5	253.1	250.5	10°C	R
YSI 556	09D101246	0710 1/12/11	PH 7 10 4	7.03 10.13 4.04	7.00 10.00 4.00	11°C	TR
			EC 3900	3906	3900	10°C	TR
			D.O —	106.0%	100.0%	10°C	R
			ORP: 250.5	248.1	250.5	10°C	TR

WELL GAUGING DATA

Project # 110110-SP1 Date 1-10-11 Client Parsons

Site Norwalk DFSP

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or <u>TOC</u>	Notes
GMW-57	0832	4					29.33	53.45		1-10-11 ↓
GMW-63	0944	4				29.23	40.19			
GMW-64	1031	4				27.64	40.08			
GMW-65	1119	4				29.01	40.61			
MW-14	1216	4				31.90	51.94			
MW-22(md)	1257	4				34.26	57.49			
GMW-58	1358	4				27.38	54.25			
GMW-61	1445	4				28.00	39.96			
EXP-1	0715	4				54.77	128.82			
EXP-2	0719	4				55.18	128.00			
EXP-3	0724	4				53.88	123.02		↓	
GMW-47	0722	4				28.72	50.34		1-11-11 ↓	
GMW-59	0822	4				26.59	54.29			
GMW-60	0913	4				28.76	40.00			
GMW-62	1020	4		28.78	0.30		29.08	—		↓

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110 - TR 1	Client: KMEP / PARSONS
Sampler: m	Start Date: 1/10/11
Well I.D.: EXP-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 128.82	Depth to Water: Pre: 54.77 Post: 54.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1131 Flow Rate: 500 mL / MIN Pump Depth: 110'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
1134	21.4	7.08	1139	5	1.40	37.5	1500	54.80
1137	21.4	7.12	1180	3	1.13	35.7	3000	54.80
1140	21.6	7.14	1188	3	1.05	33.8	4500	54.80
1143	21.6	7.14	1192	3	1.01	33.5	6000	54.80
1146	21.6	7.14	1192	3	1.00	33.2	7500	54.80
1149	21.7	7.16	1195	2	0.96	33.0	9000	54.80

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>9.0 L</u>
Sampling Time: 1150	Sampling Date: 1/10/11
Sample I.D.: EXP-1	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE	Other:
Equipment Blank I.D.: @ <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-TR1	Client: KMEP/Parsons
Sampler: TR	Start Date: 1/10/11
Well I.D.: EXP-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 128.00	Depth to Water: Pre: 55.18 Post: 55.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1210 Flow Rate: 500 ML/MIN Pump Depth: 112'

Time	Temp. (°C or °F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>mL</u>)	Depth to water
1213	21.0	7.30	1744	4	1.20	30.5	1500	55.18
1216	21.1	7.27	1736	3	1.43	27.4	3000	55.20
1219	21.1	7.25	1730	3	1.14	25.6	4500	55.20
1222	21.2	7.25	1723	3	1.10	25.1	6000	55.20
1225	21.2	7.24	1720	3	1.07	25.0	7500	55.20

Did well dewater? Yes <input type="checkbox"/> <u>No</u> <input checked="" type="checkbox"/>	Amount actually evacuated: 7.5 L
Sampling Time: 1226	Sampling Date: 1/10/11
Sample I.D.: EXP-2	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOCs</u> <u>MTBE</u>	Other:
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110 - TR 1	Client: KMEP / PARSONS
Sampler: TR	Start Date: 1/10/11
Well I.D.: EXP-3	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 123.02	Depth to Water: Pre: 53.88 Post: 53.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1248 Flow Rate: 500 mL / MIN Pump Depth: 112'

Time	Temp. (°C or °F)	pH	Cond. (mS or µS)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to water
1251	21.4	7.43	1200	5	1.30	34.2	1500	53.90
1254	21.6	7.46	1185	3	1.08	25.8	3000	53.90
1257	21.6	7.47	1168	3	0.97	22.6	4500	53.90
1301	21.7	7.48	1165	2	0.93	20.9	6000	53.90
1304	21.7	7.48	1165	2	0.92	20.5	7500	53.90

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7.5 L
Sampling Time: 1305	Sampling Date: 1/10/11
Sample I.D.: EXP-3	Laboratory: Alpha Analytical
Analyzed for: (TPH)g (TPH)fp (VOC's) (MTBE) Other:	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-SPI	Client: Parsons @ PFS
Sampler: SP	Gauging Date: 1-11-11
Well I.D.: GMW-47	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 50.34	Depth to Water (ft.): 28.72
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0744 Flow Rate: 200 mL/min Pump Depth: 39.5'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0747	19.25	6.30	2946	6	1.54	-101.3	600	28.73
0750	20.25	6.31	2967	5	0.78	-112.7	1200	28.74
0753	20.79	6.31	2977	5	0.61	-122.1	1800	28.74
0756	21.06	6.30	2978	4	0.54	-127.0	2400	28.74
0759	21.09	6.30	2981	4	0.52	-129.2	3000	28.75
0802	21.08	6.30	2980	4	0.50	-131.8	3600	28.75

Did well dewater? Yes No Amount actually evacuated: 3600 mL

Sampling Time: 0803 Sampling Date: 1-11-11

Sample I.D.: GMW-47 Laboratory: Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-SP1	Client: Parsons @ DFSP
Sampler: SP	Gauging Date: 1-10-11
Well I.D.: GMW-57	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 53.45	Depth to Water (ft.): 29.33
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0852 Flow Rate: 200-1/min Pump Depth: 41.3'

Time	Temp. °C or °F	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0855	19.54	7.25	1750	3	2.48	-25.6	600	29.43
0858	20.31	7.26	1773	3	1.03	-76.9	1200	29.46
0901	20.45	7.26	1782	3	0.60	-100.2	1800	29.46
0904	20.91	7.26	1786	3	0.46	-108.3	2400	29.46
0907	20.89	7.26	1789	3	0.44	-110.2	3000	29.46
0910	20.88	7.26	1787	3	0.43	-113.1	3600	29.46

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>3600 mL</u>
Sampling Time: <u>0911</u>	Sampling Date: <u>1-10-11</u>
Sample I.D.: <u>GMW-57</u>	Laboratory: <u>Calscience</u>
Analyzed for: <u>TRH-G</u> <u>BTEX</u> <u>MTBE</u> <u>TPH-D</u>	Other: <u>See COC</u>
Equipment Blank I.D.:	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-SPI	Client: Parsons @ DFSP
Sampler: SP	Gauging Date: 1-10-11
Well I.D.: GAW-58	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): 54.25	Depth to Water (ft.): 27.38
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: 451 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1411 Flow Rate: 200 mL/min Pump Depth: 40.0'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1414	22.49	7.19	1857	4	1.16	-179.0	600	27.44
1417	22.44	7.19	1850	4	0.36	-183.5	1200	27.45
1420	22.38	7.19	1844	4	0.23	-183.0	1800	27.45
1423	22.42	7.19	1842	3	0.21	-182.5	2400	27.45
1426	22.45	7.18	1843	3	0.20	-184.0	3000	27.45

Did well dewater? Yes No Amount actually evacuated: 3000 mL

Sampling Time: 1427 Sampling Date: 1-10-11

Sample I.D.: GAW-58 Laboratory: CalScience

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC

Equipment Blank I.D.: @ Duplicate I.D.: GAW-58dup

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-sp1	Client: Pargson @ DFSP
Sampler: Sp	Gauging Date: 1-11-11
Well I.D.: GMW-59	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 54.29	Depth to Water (ft.): 26.59
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0833 Flow Rate: 200 mL/min Pump Depth: 40.4'

Time	Temp. (<u>C</u> or °F)	pH	Cond. (mS/cm or <u>µS/cm</u>)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or <u>ml</u>)	Depth to Water (ft.)
0836	19.56	6.48	2956	10	1.22	-145.6	600	26.68
0839	20.44	6.48	3049	10	0.51	-165.1	1200	26.70
0842	20.58	6.48	3075	9	0.38	-174.9	1800	26.71
0845	20.56	6.47	3084	8	0.32	-181.4	2400	26.71
0848	20.59	6.47	3080	8	0.29	-184.1	3000	26.72
0851	20.60	6.47	3076	7	0.28	-187.6	3600	26.72

Did well dewater? Yes No Amount actually evacuated: 3600 mL
 Sampling Time: 0852 Sampling Date: 1-11-11
 Sample I.D.: GMW-59 Laboratory: CalScience
 Analyzed for: TPH-G BTEX MTBE TPH-D Other: See COC
 Equipment Blank I.D.: _____ @ _____ Time _____ Duplicate I.D.: GMW-59dup

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-SR	Client: Pagon @ DFSP
Sampler: SP	Gauging Date: 1-11-11
Well I.D.: GMW-60	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 40.00	Depth to Water (ft.): 28.76
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>451 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0923 Flow Rate: 200 mL/min Pump Depth: 34.4'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0926	20.52	6.65	5033	4	0.89	-136.4	600	28.81
0929	20.84	6.65	5045	4	0.41	-143.6	1200	28.83
0932	20.94	6.64	5059	4	0.34	-148.7	1800	28.83
0935	21.01	6.64	5070	3	0.27	-154.8	2400	28.84
0938	21.08	6.64	5074	3	0.23	-158.6	3000	28.84
0941	21.10	6.64	5080	3	0.22	-161.1	3600	28.84

Did well dewater? Yes No Amount actually evacuated: 3600 mL
 Sampling Time: 0942 Sampling Date: 1-11-11
 Sample I.D.: GMW-60 Laboratory: CalScience
 Analyzed for: TPH-G BTEX MTBE TPH-D Other: See Col
 Equipment Blank I.D.: EB-2 @ Time 0955 Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-SP1	Client: Parsons @ DFSP
Sampler: SP	Gauging Date: 1-10-11
Well I.D.: GMW-61	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 39.96	Depth to Water (ft.): 28.00
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1457 Flow Rate: 200 mL/min Pump Depth: 33.98'

Time	Temp. (C or F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1500	22.26	7.05	3530	3	1.38	-214.5	600	28.01
1503	22.41	7.04	3552	3	0.55	-223.3	1200	28.03
1506	22.38	7.03	3563	3	0.34	-230.5	1800	28.03
1509	22.40	7.03	3559	3	0.28	-231.4	2400	28.03
1512	22.38	7.01	3565	3	0.28	-237.5	3000	28.04
1515	22.38	7.01	3560	3	0.27	-239.3	3600	28.04

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 3600 mL
Sampling Time: 1516	Sampling Date: 1-10-11
Sample I.D.: GMW-61	Laboratory: CalScience
Analyzed for: TPH-G MTX MTBE TPH-D Other: See LOC	
Equipment Blank I.D.:	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-SP1	Client: Parsons @ DEFP
Sampler: SP	Gauging Date: 1-11-11
Well I.D.: GMW-62	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): —	Depth to Water (ft.): 29.08
Depth to Free Product: 28.78	Thickness of Free Product (feet): 0.30
Referenced to: <u>PVC</u> Grade	Flow Cell Type: —

Purge Method: 2" Grundfos Pump ~~Peristaltic Pump~~ ~~Bladder Pump~~
 Sampling Method: Dedicated Tubing ~~New Tubing~~ ~~Other~~
 Start Purge Time: _____ Flow Rate: _____ Pump Depth: _____

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
—	Detected		0.30'	SPH	w/ Interface			
	Probe.							
—	NO	Sample	taken	—				

Did well dewater? Yes No Amount actually evacuated: _____
 Sampling Time: _____ Sampling Date: _____
 Sample I.D.: _____ Laboratory: _____
 Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____
 Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-SPI	Client: Parsons@PFSP
Sampler: SP	Gauging Date: 1-10-11
Well I.D.: GMW-63	Well Diameter (in.): 2 3 <u>(4)</u> 6 8
Total Well Depth (ft.): 40.19	Depth to Water (ft.): 29.23
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 0955 Flow Rate: 200 mL/min Pump Depth: 31.7'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
0958	18.61	6.93	3459	4	6.19	34.6	600	29.24
1001	18.71	6.91	3470	4	5.83	39.2	1200	29.24
1004	18.75	6.90	3474	4	5.60	44.5	1800	29.25
1007	18.73	6.89	3478	3	5.59	49.6	2400	29.25
1010	18.74	6.89	3477	3	5.58	52.6	3000	29.25
1013	18.75	6.89	3478	3	5.55	54.2	3600	29.25

Did well dewater? Yes No Amount actually evacuated: 3600 mL

Sampling Time: 1014 Sampling Date: 1-10-11

Sample I.D.: GMW-63 Laboratory: Cal Science

Analyzed for: TPH-G BTEX MTBE TPH-D Other: See Col

Equipment Blank I.D.: _____ @ _____ Time Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-SPI	Client: Parsons @ DFSP
Sampler: SP	Gauging Date: 1-10-11
Well I.D.: GMW-64	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 40.08	Depth to Water (ft.): 27.64
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump	Peristaltic Pump	Bladder Pump
Sampling Method: Dedicated Tubing	New Tubing	Other
Start Purge Time: <u>1040</u>	Flow Rate: <u>200 mL/min</u>	Pump Depth: <u>33.8'</u>

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1043	18.23	6.86	3361	35 13	3.55	57.9	600	27.66
1046	18.35	6.85	3372	12	2.57	56.7	1200	27.70
1049	18.28	6.84	3373	10	2.26	56.2	1800	27.68
1052	18.30	6.84	3370	9	2.24	56.1	2400	27.67
1055	18.31	6.83	3371	8	2.23	56.5	3000	27.66

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>3000 mL</u>
Sampling Time: <u>1056</u>	Sampling Date: <u>1-10-11</u>
Sample I.D.: <u>GMW-64</u>	Laboratory: <u>CalScience</u>
Analyzed for: <input checked="" type="checkbox"/> THG <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> MIBE <input type="checkbox"/> TPH-D	Other: <u>See Col</u>
Equipment Blank I.D.: <u> </u> @ <u> </u> Time	Duplicate I.D.: <u> </u>

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100110-SPI	Client: Parsons @ AFSP
Sampler: SP	Gauging Date: 1-10-11
Well I.D.: GMW-65	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 40.61	Depth to Water (ft.): 29.01
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1128 Flow Rate: 200 mL/min Pump Depth: 34.8'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1131	18.62	7.00	4512	9	2.78	-41.5	600	29.04
1134	19.15	6.97	4515	8	1.18	-55.1	1200	29.05
1137	19.40	6.96	4533	7	0.63	-63.3	1800	29.05
1140	19.52	6.95	4554	6	0.42	-70.2	2400	29.05
1143	19.64	6.95	4579	6	0.38	-74.6	3000	29.06
1146	19.67	6.95	4587	5	0.35	-77.1	3600	29.06

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>3600 mL</u>
Sampling Time: <u>1147</u>	Sampling Date: <u>1-10-11</u>
Sample I.D.: <u>GMW-65</u>	Laboratory: <u>Cal Science</u>
Analyzed for: <u>TPH-C</u> <u>BTEX</u> <u>MTBE</u> <u>TPH-D</u>	Other: <u>See COC</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-SP1	Client: Parsons @ DFSP
Sampler: SP	Gauging Date: 1-10-11
Well I.D.: mw-14	Well Diameter (in.): 2 3 (4) 6 8
Total Well Depth (ft.): 51.94	Depth to Water (ft.): 31.90
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: 431 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1226 Flow Rate: 200 mL/min Pump Depth: 46.9'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1229	21.24	6.93	2177	4	1.65	-121.5	600	31.98
1232	21.46	6.91	2174	3	0.35	-129.0	1200	31.99
1235	21.54	6.90	2170	2	0.24	-131.3	1800	31.99
1238	21.63	6.91	2171	2	0.23	-133.2	2400	31.99
1241	21.66	6.91	2170	2	0.25	-134.7	3000	31.99

Did well dewater? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Amount actually evacuated: 3000 mL
Sampling Time: 1242	Sampling Date: 1-10-11
Sample I.D.: mw-14	Laboratory: Cal Science
Analyzed for: <input checked="" type="checkbox"/> TPH-G <input checked="" type="checkbox"/> BTEX <input checked="" type="checkbox"/> MTBE <input type="checkbox"/> TPH-D	Other: See COC
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 110110-SP1	Client: Parsons @ DFSP
Sampler: SP	Gauging Date: 1-10-11
Well I.D.: MW-22(MID)	Well Diameter (in.): 2 3 <u>4</u> 6 8
Total Well Depth (ft.): 57.49	Depth to Water (ft.): 34.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>451 556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Start Purge Time: 1305 Flow Rate: 200 mL/min. Pump Depth: 458'

Time	Temp. (°C or °F)	pH	Cond. (mS/cm or µS/cm)	Turbidity (NTUs)	D.O. (mg/L)	ORP (mV)	Water Removed (gals. or mL)	Depth to Water (ft.)
1308	21.20	7.33	2825	4	1.30	-187.4	600	34.33
1311	21.24	7.32	2790	4	0.48	-192.3	1200	34.34
1314	21.34	7.31	2773	3	0.35	-196.4	1800	34.34
1317	21.40	7.29	2759	3	0.33	-199.2	2400	34.34
1320	<u>21.37</u>	7.30	2754	2	0.36	-202.0	3000	34.35

Did well dewater? Yes No Amount actually evacuated: 3000 mL

Sampling Time: 1321 Sampling Date: 1-10-11

Sample I.D.: MW-22(MID) Laboratory: CalScience

Analyzed for: ~~TPH-G~~ ~~BTEX~~ ~~MTBE~~ ~~TPH-D~~ Other: See Col

Equipment Blank I.D.: EB-1 @ Time 1335 Duplicate I.D.:



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 (925) 689-9022

CHAIN OF CUSTODY RECORD

Date 1-10-11
 Page 1 of 2

LABORATORY CLIENT: <u>Parsons</u>		CLIENT PROJECT NAME / NUMBER: <u>DFSP Norwalk</u>		P.O. NO.: <u>746649</u>
ADDRESS: <u>100 w. Walnut St.</u>		PROJECT CONTACT: <u>Mary Lucas</u>		LAB USE ONLY <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
CITY: <u>Pasadena</u>	STATE: <u>CA</u>	ZIP: <u>91124</u>	SAMPLER(S) (PRINT): <u>Swirl Pak</u>	COELT LOG CODE: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
TEL:	E-MAIL:			COOLER RECEIPT TEMP= _____ °C

TURNAROUND TIME:
 SAME DAY 24 HR 48 HR 72 HR STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 RWQCB REPORTING FORMS COELT EDF

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g) by (8015 EPA)	TPH (d) or (C6-C36) or (C6-C44)	TPH (JPS EPA 8015)	BTEX / MTBE (8260B) or ()	VOCs (8260B) ^{include BTEX, MTBE, TBA}	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]±	
			DATE	TIME																		
	GMW-57		1-10-11	0911	W	7					X	X										
	GMW-58			1427		↓					X	X										
	GMW-61			1516		10	X				X	X										
	GMW-63			1014							X	X										
	GMW-64			1956							X	X										
	GMW-65			1147							X	X										
	MW-14			1242							X	X										
	MW-22(mid)			1321		↓					X	X										
	TB-1			0700		3					X	X										
	EB-1			1335		↓					X	X										

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature/Affiliation)	Date: <u>1-10-11</u>	Time: <u>1700</u>
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
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CHAIN OF CUSTODY RECORD

Date 1-10-11
Page 2 of 2

LABORATORY CLIENT: <u>Parsons</u>		CLIENT PROJECT NAME / NUMBER: <u>DFSP Norwalk</u>		P.O. NO.: <u>746649</u>
ADDRESS: <u>100 w. Walnut St.</u>		PROJECT CONTACT: <u>Mary Lucas</u>		LAB USE ONLY <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
CITY: <u>Pasadena</u>	STATE: <u>CA</u>	ZIP: <u>91124</u>	SAMPLER(S) (PRINT): <u>Sunil Patel</u>	COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
TEL:	E-MAIL:			COOLER RECEIPT TEMP= _____ °C

TURNAROUND TIME:
 SAME DAY 24 HR 48 HR 72 HR STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 RWQCB REPORTING FORMS COELT EDF

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g) by (805 EPA)	TPH (d) or (C6-C36) or (C6-C44)	TPH (JPS (EPA 825))	BTEX / MTBE (8260B) or ()	VOCs (8260B) <i>include BTEX / MTBE / TBA</i>	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (8010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]†	
			DATE	TIME																		
	Gmw-58dup		1-10-11	—	w	4		X	X													
	EXP-1		↓	1150	↓	10	X	X	X													
	EXP-2		↓	1226	↓	10	X	X	X													
	EXP-3		↓	1305	↓	10	X	X	X													
			↓																			

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(925) 689-9022

Date _____

Page 1 of 1

LABORATORY CLIENT: <u>DESP</u>		CLIENT PROJECT NAME / NUMBER: <u>DESP 12-11-11</u>	P.O. NO.: <u>716649</u>
ADDRESS: <u>12121 121st St</u>		PROJECT CONTACT: <u>Emily Lopez</u>	LAB USE ONLY <input type="checkbox"/> <input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
CITY: <u>San Diego</u>	STATE: <u>CA</u>	ZIP: _____	COOLER RECEIPT TEMP= _____ °C
TEL: <u>619-444-1212</u>	E-MAIL: _____	SAMPLER(S) (PRINT): <u>Soil Patch</u>	COELT LOG CODE <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

TURNAROUND TIME:
 SAME DAY 24 HR 48 HR 72 HR STANDARD

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
 RWQCB REPORTING FORMS COELT EDF _____

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

LAB USE ONLY	SAMPLE ID	FIELD POINT NAME (FOR COELT EDF)	SAMPLING		MATRIX	NO. OF CONT.	TPH (g)	TPH (d) or (C6-C36) or (C6-C44)	TPH (C6-C14)	BTEX / MTBE (8260B) or (C6-C14)	VOCs (8260B)	Oxygenates (8260B)	Encore Prep (5035)	SVOCs (8270C)	Pesticides (8081A)	PCBs (8082)	PNAs (8310) or (8270C)	T22 Metals (6010B/747X)	Cr(VI) [7196A or 7199 or 218.6]	VOCs (TO-14A) or (TO-15)	TPH (g) [TO-3]†	
			DATE	TIME																		
	GMW-47		1-11-11	0803		7				X	X											
	GMW-59			0852		10	X	X		X	X											
	GMW-60			0942		10	X	X		X	X											
	TB-2			0700		3		X		X	X											
	EB-2			0955		3		X		X	X											
	GMW-59 dup					4		X		X	X											

Relinquished by: (Signature) <u>[Signature]</u>	Received by: (Signature/Affiliation) <u>[Signature]</u>	Date: <u>1-11-11</u>	Time: <u>1600</u>
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05/01/07 Revision

WELLHEAD INSPECTION CHECKLIST

Client Parsons Date 1-10-11
 Site Address Norwalk DFSP
 Job Number 110110-SP1 Technician SP

Well ID	Well Inspected - No Corrective Action Required	WELL IS SECURABLE BY DESIGN (12" or less)	WELL IS CLEARLY MARKED WITH THE WORDS "MONITORING WELL" (12" or less)	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
GMW-57		X	X		No bolts					
GMW-63	X	X	X							
GMW-64	X	X	X							
GMW-65	X	X	X							
MW-14	X				Stand pipe					
MW-22M	X				Stand pipe					
GMW-58	X				Vault					
GMW-61		X	X		1 of 2 bolts			missing; cracked lid		
EXP-1	X				Stand pipe					
EXP-2	X				Stand pipe					
EXP-3	X				Stand pipe					
GMW-47		X	X		No bolts					
GMW-59	X				Vault					
GMW-60	X	X	X							
GMW-62	X	X	X							

NOTES: _____

