

Appendix A
Well Purging and Sampling Records –
January/March 2010 Sentry Event

WELL GAUGING DATA

Project # 100111-MH1 Date 4/11/10 Client PARSONS & ANNUNCI

Site Excelsior Dr.

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 TOC	Notes
EXP1	0736	4					55.80	129.31	↓	
EXP2	0826	4					55.93	128.54		
EXP3	0919	4					54.51	124.06		
GMLW-47	1000	4					29.10	49.26		
GMLW-57	1049	4					29.93	53.90		
GMLW-58	1217	4					27.43	53.82		
GMLW-59	1300	4					27.20	54.10		
GMLW-60	1346	4					29.53	40.61		
GMLW-61	1440	4					28.81	40.33		
GMLW-62	0750	4					29.51	39.74		
GMLW-63	0711	4					30.12	40.30		
GMLW-64	0910	4					28.53	40.24		
GMLW-65	0825	4					29.80	40.94		
MW-14	1200	4					31.94	52.10		
MW-22(MID)	0710	4					34.14	57.57	↓	
EW-13	1240	4					30.21	66.61	↓	
EW-2	1340	4					29.26	59.33	↓	

WELL GAUGING DATA

Project # 100111-MH1 Date 1/12/10 Client PARSONS @ DFSP

Site Excelsior Dr.

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 TOC	Notes	
wcw-1	1000	4					25.91	52.94	↓		
wcw-2	1006	4					28.11	53.34			
wcw-3	1015	4					30.40	50.96			
wcw-4	1025	4					31.40	51.83			
wcw-5	1036	4					26.53	50.73			
wcw-6	1044	4					28.24	51.43			
wcw-7	1052	4					29.94	52.20			
wcw-8	1100	4					31.30	41.26			
*wcw-9	—	UNABLE TO LOCATE				→					
wcw-10	1116	4					26.40	54.94			
wcw-11	1122	4					27.83	59.94			
wcw-12	1130	4					29.04	60.33			
wcw-13	1137	4					31.56	60.90			
wcw-14	1145	4					32.24	58.84		✓	
GW-14	0800	6					29.84	66.44	TOC		
GW-16	0910	6					29.94	62.24	TOC		

*WCW-9 UNABLE TO LOCATE TRAN SAID OKAY HE WOULD GET IT.

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: Prisons @ Newark (DFSP)
Sampler: M. House	Initial Gauging Date: 1/11/10
Well I.D.: EXP-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 129.31	Depth to Water: 55.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVE</u> Grade	Flow Cell Type: K1556

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

Flow Rate: 300 mL/m (0.45) Pump Depth: 102' System Volume: 1L

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
0748	17.94	7.19	1140	3	3.02	86.1	900	55.87
0751	18.65	7.18	1126	3	2.38	62.8	1800	55.87
0754	19.28	7.17	1128	3	1.76	57.6	2700	55.87
0757	19.61	7.19	1135	3	1.49	46.5	3600	55.87
0800	19.69	7.20	1136	3	1.41	46.8	4500	55.87
0803	19.72	7.20	1136	3	1.33	47.2	5400	55.87

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>5400</u> mL
Sampling Time: 0804	Sampling Date: 1/11/10
Sample I.D.: EXP-1	Laboratory: CAL Science
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>SEE SCOPE</u>	
Equipment Blank I.D.: @ _____ Time	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ NORWALK (DFSP)
Sampler: M. Hansen	Initial Gauging Date: 1/11/10
Well I.D.: EXP-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 128.31	Depth to Water: 55.93
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 _____

Flow Rate: 300 ML/M (0.831) Pump Depth: 105' System Volume: 1L

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
0834	18.11	7.15	1477	3	2.74	-69.4	900	56.00
0837	18.79	7.14	1514	3	1.88	-68.5	1800	56.00
0840	19.33	7.16	1561	3	1.37	-69.0	2700	56.00
0843	19.90	7.18	1592	3	1.08	-57.1	3600	56.00
0846	19.99	7.18	1596	3	1.04	-58.3	4500	56.00
0849	20.03	7.18	1597	3	1.04	-48.3	5400	56.00
0852	20.04	7.18	1598	3	1.05	-47.0	6300	56.00

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>6300</u> ML
Sampling Time: <u>0853</u>	Sampling Date: <u>1/11/10</u>
Sample I.D.: <u>EXP-2</u>	Laboratory: <u>CALS Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>SEE SCOPE</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ NORWACK (DFSP)
Sampler: M. HANSEK	Initial Gauging Date: 1/11/10
Well I.D.: EXP-3	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: 124.6L	Depth to Water: 54.51
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 _____
 Flow Rate: 300 ML/M (0921) Pump Depth: 100' System Volume: 1L

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
0924	20.02	7.42	805	4	2.11	-116.1	900	54.57
0927	20.32	7.40	837	4	1.40	-114.8	1800	54.57
0930	20.64	7.38	860	4	0.98	-103.3	2700	54.57
0933	20.72	7.38	865	3	0.96	-96.3	3600	54.57
0936	20.76	7.38	868	3	0.93	-94.7	4500	54.57
0939	20.76	7.38	868	3	0.90	-92.6	5400	54.57

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>5400</u> ML
Sampling Time: <u>0940</u>	Sampling Date: <u>1/11/10</u>
Sample I.D.: <u>EXP-3</u>	Laboratory: <u>CAUSCENCE</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>SEE SCOPE</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFSP NAWALK
Sampler: M. Hume	Initial Gauging Date: 1/11/10
Well I.D.: GMLW-47	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.26	Depth to Water: 29.10
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: VSI 552

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 300 mL/min (1008) Pump Depth: 35' System Volume: 0.5 L

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
1011	22.76	6.65	1854	6	2.57	-87.7	900	29.16
1014	22.79	6.67	1882	5	2.99	-96.8	1800	29.16
1017	22.82	6.67	1893	3	2.50	-103.5	2700	29.16
1020	22.83	6.67	1895	3	2.00	-107.6	3600	29.16
1023	22.82	6.67	1895	3	1.52	-110.4	4500	29.16
1026	22.83	6.67	1893	3	1.47	-111.3	5400	29.16
1029	22.83	6.67	1893	3	1.46	-111.5	6300	29.16

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 6300 ML
Sampling Time: 1030	Sampling Date: 1/11/10
Sample I.D.: GMLW-47	Laboratory: CALSCIENCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE SCOPE
Equipment Blank I.D.: @ Time	Duplicate I.D.: GMLW-47 DUP

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH	Client: PARSONS @ DFSP Nowack
Sampler: M. Hunsler	Initial Gauging Date: 1/11/10
Well I.D.: GMW-57	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 53.90	Depth to Water: 29.93
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 19-54
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 300 mL/M (1058) Pump Depth: 41.9' System Volume: 12

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
1101	23.15	7.25	1385	5	1.17	-85.2	900	29.97
1104	23.05	7.21	1393	4	1.03	-91.6	1800	29.97
1107	23.00	7.21	1397	4	1.05	-93.7	2700	29.97
1110	22.93	7.24	1402	4	0.83	-95.9	3600	29.97
1113	22.89	7.19	1406	3	0.72	-95.1	4500	29.97
1116	22.88	7.19	1407	3	0.72	-95.6	5400	29.97
1119	22.88	7.19	1407	3	0.72	-95.3	6300	29.97

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 6300 ML
Sampling Time: 1120	Sampling Date: 1/11/10
Sample I.D.: GMW-57	Laboratory: CAL SCIENCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE SCOPE
Equipment Blank I.D.: @	Duplicate I.D.:

Blaine Tech Services, Inc. 1680 Rogers Ave., San Jose, CA 95112 (408) 573-0555
 *A NEW TUBING USED DUE TO CONDITION OF WELL BOX (DEAD SEES)

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFSP NORWALK
Sampler: M. H. ...	Initial Gauging Date: 1/11/10
Well I.D.: GML-58	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 53.82	Depth to Water: 27.43
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump 20-55
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 300 mL/min (1223) Pump Depth: 40 L System Volume: 1 L

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
1226	23.40	7.26	1271	6	1.45	-174.2	900	27.49
1229	23.27	7.32	1278	6	0.99	-168.4	1800	27.49
1232	23.16	7.35	1285	5	0.83	-162.7	2700	27.51
1235	23.10	7.35	1288	5	0.73	-162.8	3600	27.51
1238	23.07	7.35	1289	5	0.70	-163.0	4500	27.51
1241	23.06	7.35	1288	5	0.70	-162.7	5400	27.51

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 5400 ML
Sampling Time: 1242	Sampling Date: 1/11/10
Sample I.D.: GML-58	Laboratory: CAL SCIENCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE SCOPE
Equipment Blank I.D.: @ _____	Duplicate I.D.: GML-58 DUP

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFGP Norwalk
Sampler: M. House	Initial Gauging Date: 1/11/10
Well I.D.: GMW-59	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 54.10	Depth to Water: 27.20
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump 20.55
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 300 mL/min (1309) Pump Depth: 40.6' System Volume: 12

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
1312	22.46	6.76	1491	16	1.45	-190.2	900	27.22
1315	22.33	6.80	1492	13	1.21	-203.4	1800	27.71
1318	22.21	6.79	1493	11	1.26	-212.4	2700	27.71
1321	22.29	6.79	1494	11	1.04	-207.5	3600	27.77
1324	22.30	6.79	1494	8	6.95	-222.1	4500	27.81
1327	22.35	6.79	1494	7	0.94	-222.3	5100	27.81
1330	22.35	6.79	1495	7	0.94	-222.6	6300	27.81

Did well dewater? Yes <u>(No)</u>	Amount actually evacuated: <u>6300 ML</u>
Sampling Time: <u>1331</u>	Sampling Date: <u>1/11/10</u>
Sample I.D.: <u>GMW-59</u>	Laboratory: <u>CAE Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>see Scope</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFSP NORWALK
Sampler: M. Housuc	Initial Gauging Date: 1/11/10
Well I.D.: GMW-60	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: 40.01	Depth to Water: 29.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: Y81-SSLe

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 300 mL/m (1351) Pump Depth: 34.7 System Volume: 0.5 L

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
1331	22.34	7.04	2336	9	0.54	-166.1	900	29.72
1357	22.43	7.08	2355	7	0.44	-182.1	1800	29.76
1400	22.51	7.12	2362	7	0.32	-198.2	2700	29.76
1403	22.54	7.12	2364	6	0.31	-199.3	3600	29.76
1406	22.48	7.15	2364	6	0.26	-205.0	4500	29.76
1409	22.50	7.15	2360	4	0.25	-206.0	5400	29.76
1412	22.51	7.15	2360	4	0.25	-206.3	6300	29.76

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>6300 ML</u>
Sampling Time: <u>1413</u>	Sampling Date: <u>1/11/10</u>
Sample I.D.: <u>GMW-60</u>	Laboratory: <u>CAL SCIENCE</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>See Scope</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @TSFSP
Sampler: M. House	Initial Gauging Date: 1/11/10
Well I.D.: GMLW-61	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 40.33	Depth to Water: 28.81
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 200 mL/min (1445) Pump Depth: ~~35'~~ 35' System Volume: 0.5 L

Time	Temp. (<u>C</u> 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
1448	22.85	7.24	2511	4	0.06	-280.4	900	28.88
1451	22.74	7.26	2506	3	0.08	-299.1	1800	28.88
1454	22.64	7.27	2506	3	0.07	-306.2	2700	28.88
1457	22.63	7.28	2505	4	0.09	-306.9	3600	28.88
1500	22.61	7.28	2505	4	0.08	-307.4	4500	28.88
1503	22.61	7.28	2506	4	0.08	-307.5	5400	28.88

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>5400 mL</u>
Sampling Time: <u>1504</u>	Sampling Date: <u>1/11/10</u>
Sample I.D.: <u>GMLW-61</u>	Laboratory: <u>CAE SCIENCE</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>SEE SCOPE</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFSP NORWALK
Sampler: M. Housek	Initial Gauging Date: 1/12/10
Well I.D.: GML-62	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 39.74	Depth to Water: 29.51
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 _____
 Flow Rate: 300 mL/m (0.755) Pump Depth: 34.6' System Volume: 0.5L

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
0758	18.34 18.50	7.26	2382	9	0.18	-235.8	900	29.57
0801	19.00	7.39	2407	8	0.15	-251.4	1800	29.57
0804	19.55	7.50	2412	11	0.12	-248.8	2700	29.57
0807	19.65	7.55	2413	10	0.12	-246.5	3600	29.57
0810	19.66	7.55	2413	10	0.11	-246.3	4500	29.57
0813	19.67	7.55	2413	9	0.10	-246.3	5400	29.57

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 5400 mL
Sampling Time: 0814	Sampling Date: 1/12/10
Sample I.D.: GML-62	Laboratory: CAS Science
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE SCOPE
Equipment Blank I.D.: @ _____ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFSP NORWALK
Sampler: M. Hamsel	Initial Gauging Date: 1/12/10
Well I.D.: GMW-63	Well Diameter: 2 3 (4) 6 8 _____
Total Well Depth: 40.30	Depth to Water: 30.20
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 _____
 Flow Rate: 300 mL/min (0719) Pump Depth: 35' System Volume: 0.5L

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
0722	18.09	7.35	1863	27	0.22	213.9	900	30.20
0725	18.10	7.35	1864	28	0.22	212.3	1800	30.20
0728	18.50	7.37	1857	17	0.19	203.4	2700	30.20
0731	18.59	7.38	1854	12	0.16	195.4	3600	30.20
0734	18.60	7.39	1852	11	0.17	197.9	4500	30.20
0737	18.61	7.39	1851	11	0.16	191.7	5400	30.20

Did well dewater? Yes (No)	Amount actually evacuated: 5400 ML
Sampling Time: 0738	Sampling Date: 1/12/10
Sample I.D.: GMW-63	Laboratory: CALSCIENCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE SCOPE
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFSP NORWALK
Sampler: M. Housee	Initial Gauging Date: 1/12/10
Well I.D.: GMW-64	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: 40.24	Depth to Water: 28.53
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 300 mL/m (0917) Pump Depth: 34.2' System Volume: 0.5L

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
0920	17.98	5.81	1823	47	0.09	72	900	28.73
0923	18.30	5.57	1782	37	0.09	133	1800	28.73
0926	18.45	5.42	1770	38	0.10	18.0	2700	28.73
0929	18.51	5.32	1768	43	0.09	21.3	3600	28.73
0932	18.62	5.23	1765	36	0.11	26.4	4500	28.73
0935	18.58	5.21	1766	35	0.12	27.0	5400	28.73
0936	18.57	5.20	1766	36	0.11	27.6	6300	28.73

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>6300 mL</u>
Sampling Time: <u>0937</u>	Sampling Date: <u>1/12/10</u>
Sample I.D.: <u>GMW-64</u>	Laboratory: <u>CAL SCIENCE</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>SEE SCOPE</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFS NORWALK
Sampler: M. Hansen	Initial Gauging Date: 1/12/10
Well I.D.: GMW-65	Well Diameter: 2 3 <u>4</u> 6 8 _____
Total Well Depth: 40.94	Depth to Water: 29.80
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	Flow Cell Type: <u>YSI SSL</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 800 mL/min (0.830) Pump Depth: 35.3' System Volume: 0.5L

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
0833	18.47	7.40	3108	41	0.10	-89.2	900	30.00
0836	18.76	7.41	3127	30	0.11	-94.1	1800	30.00
0839	19.03	7.42	3136	29	0.14	-99.9	2700 2700	30.00
0842	19.30	7.43	3146	33	0.14	-105.6	4500 3600	30.00
0845	19.32	7.43	3147	33	0.13	-105.8	5100 4500	30.00
0848	19.32	7.43	3147	36	0.13	-106.3	5400	30.00

Did well dewater? Yes <u>No</u>	Amount actually evacuated: <u>5400 mL</u>
Sampling Time: <u>0849</u>	Sampling Date: <u>1/12/10</u>
Sample I.D.: <u>GMW-65</u>	Laboratory: <u>CA Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: <u>SEE SCOPE</u>
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFSP Newark
Sampler: M. Hunsch	Initial Gauging Date: 1/12/10
Well I.D.: MW-14	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 52.10	Depth to Water: 31.94
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 _____
 Flow Rate: 300 mL/min (1208) Pump Depth: 39.9' System Volume: 14

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
1211	21.52	7.85	1609	7	0.99	-135.1	900	32.00
1214	21.58	7.08	1611	7	0.91	-124.6	1800	32.00
1217	21.72	7.01	1645	6	0.88	-129.1	2700	32.00
1220	21.77	7.02	1655	6	0.88	-132.1	3600	32.00
1223	21.79	7.02	1658	6	0.86	-132.8	4500	32.00
1226	21.80	7.01	1658	5	0.86	-133.1	5400	32.00

Did well dewater? Yes <input checked="" type="radio"/> No <input type="radio"/>	Amount actually evacuated: 5400 mL
Sampling Time: 1227	Sampling Date: 1/12/10
Sample I.D.: MW-14	Laboratory: CAC SCIENCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other:
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFSP Normalie
Sampler: M. Huse	Initial Gauging Date: 1/13/10
Well I.D.: MW-22(MID)	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 57.57	Depth to Water: 34.14
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 536</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump 42-52
 Sampling Method: Dedicated Tubing New Tubing Other _____

Flow Rate: 300 mL/min 0717 Pump Depth: 46' System Volume: 1L

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
0720	20.69	7.16	1881	8	0.97	131.8	900	34.21
0723	20.92	7.24	1876	8	1.13	147.6	1800	34.62
0726	20.94	7.27	1887	7	1.34	159.1	2700	34.71
0729	21.02	7.28	1895	7	1.50	166.0	3600	34.71
0732	21.08	7.29	1921	7	1.63	176.0	4500	34.71
0735	21.11	7.29	1924	7	1.65	177.4	5400	34.71
0738	21.13	7.29	1925	6	1.65	178.0	6300	34.71

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: <u>6300 mL</u>
Sampling Time: <u>0739</u>	Sampling Date: <u>1/13/10</u>
Sample I.D.: <u>MW-22 (MID)</u>	Laboratory: <u>CA Science</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>See Scope</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFSP ROWACK
Sampler: M. Husek	Initial Gauging Date: 1/12/10
Well I.D.: GW 2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 59.33	Depth to Water: 29.26
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: Y81 536

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump 25-60
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 300 mL/min (1350) Pump Depth: 44.1' System Volume: 1L

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
1353	21.54	7.40	2215	13	2.24	-133.6	900	29.31
1356	21.77	7.24	2364	11	1.51	-137.1	1800	29.31
1359	21.83	7.22	2403	10	1.06	-139.3	2700	29.31
1402	21.79	7.21	2407	8	0.92	-140.6	3600	29.31
1405	21.77	7.21	2409	6	0.91	-141.0	4500	29.31
1408	21.77	7.21	2409	6	0.91	-141.3	5400	29.31

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 5400 mL
Sampling Time: 1409	Sampling Date: 1/12/10
Sample I.D.: GW-2	Laboratory: CAL Science
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE SCOPE
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MHI	Client: PARSONS@DFSP Newark
Sampler: M. Hume	Initial Gauging Date: 1/12/10
Well I.D.: GW-13	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: 66.61	Depth to Water: 30.24
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: 751-556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 300 mL/min (1248) Pump Depth: 47.6 System Volume: 1L

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	21.70	7.24	1922	50	1.32	-117.1	900	30.31
1254	21.77	7.15	2058	16	1.01	-122.3	1800	30.31
1257	21.80	7.16	2079	11	0.99	-118.8	2700	30.31
1300	21.81	7.13	2101	13	0.96	-120.6	3600	30.31
1303	21.83	7.13	2110	11	0.91	-121.1	4500	30.31
1306	21.83	7.14	2111	10	0.90	-121.3	5400	30.31

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 5400 mL
Sampling Time: 1307	Sampling Date: 1/12/10
Sample I.D.: GW-13	Laboratory: CAL SCIENCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEESCOPE
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH	Client: PARSONS @ DFSP NORWALK
Sampler: M. H. H. H.	Initial Gauging Date: 1/13/10
Well I.D.: GW-14	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: 66.44	Depth to Water: 29.82
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: VSI 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump 25.65
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 300 mL/min (0808) Pump Depth: 47.4 System Volume: 14

Time	Temp. (<u>C</u> 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
0811	17.88	6.76	1312	15	2.46	188.8	900	29.88
0814	19.18	6.77	1299	14	1.37	182.1	1800	29.92
0817	19.70	6.80	1297	12	1.30	181.7	2700	29.96
0820	20.10	6.81	1296	11	1.72	183.2	3600	29.98
0823	20.80	6.82	1297	11	1.80	183.3	4500	30.06
0826	20.84	6.82	1299	10	1.87	184.1	5400	30.06
0829	20.86	6.82	1299	10	1.91	184.5	6300	30.06

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>6300 mL</u>
Sampling Time: <u>0830</u>	Sampling Date: <u>1/13/10</u>
Sample I.D.: <u>GW-14</u>	Laboratory: <u>CALSCIENCE</u>
Analyzed for: TPH-G BTEX MTBE TPH-D Other: <u>SEE SCOPE</u>	
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100111-MH1	Client: PARSONS @ DFSP NORWALK
Sampler: M. Hansee	Initial Gauging Date: 1/13/10
Well I.D.: GW-16	Well Diameter: 2 3 4 <u>6</u> 8
Total Well Depth: 62.24	Depth to Water: 29.94
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI-556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 300 mL/min (0920) Pump Depth: 45' System Volume: 1 L

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
0923	20.29	7.39	619	44	3.06	238.8	900	30.00
0926	20.43	7.37	597	40	3.06	240.1	1800	30.02
0929	20.48	7.39	600	40	3.38	241.6	2700	30.06
0932	20.52	7.40	604	40	3.42	242.7	3600	30.06
0935	20.54	7.40	612	41	3.40	243.4	4500	30.06
0938	20.54	7.40	614	41	3.42	243.4	5400	30.06

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 5400 mL
Sampling Time: 0939	Sampling Date: 1/13/10
Sample I.D.: GW-14	Laboratory: CALSCIENCE
Analyzed for: TPH-G BTEX MTBE TPH-D	Other: SEE SCOPE
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

WELLHEAD INSPECTION CHECKLIST

Page ____ of ____

Client Parsons @ NESP Norwalk Date 1/11/10

Site Address Exodus Dr.

Job Number 10011-MH1 Technician M.H.

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
Gw-2	X	X	X							
Gw-14	X	X	X							
Gw-16	X	X	X							
wcw-1	X	X	X							
wcw-2	X	X	X							
wcw-3	X	X	X							
wcw-4	X	X	X							
wcw-5	X	X	X							
wcw-6	X	X	X							
wcw-7	X	X	X							
wcw-8	X	X	X							
wcw-9									X	
wcw-10	X	X	X							
wcw-11	X	X	X							
wcw-12	X	X	X							
wcw-13	X	X	X							
wcw-14	X	X	X							

NOTES:

wcw 9 unable to locate instructed by TERRY not to worry about it he would inspect's gauge

WELLHEAD INSPECTION CHECKLIST

Client PARSONS @ NORWALK Date 1/11/10

Site Address Excelsior Dr.

Job Number 100111-M44 Technician M. Hume

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
EXP1	X									
EXP2	X									
EXP3	X									
GMW-47	X	X	X							
GMW-58	X									
GMW-59	X									
GMW-60	X	X	X							
GMW-61	X	X	X							
GMW-62	X	X	X							
GMW-63	X	X	X							
GMW-64	X	X	X							
GMW-65	X	X	X							
MW-14	X									
MW-22(MID)	X									
GMW-57	X	X	X							
GW-13	X	X	X							

NOTES: EXP 1, 2, 3: STAND PIPE ; GMW-54 DEAD BLES INSIDE WELL BOX
GMW-58 = vault lid , GMW-59 = vault + lid ; MW-14 = stand pipe
MW-22 (MID) = STAND PIPE

WELL GAUGING DATA

Project # 100315-TR1 Date 3/15/10 Client GEOMATRIX

Site KMEP @ NORWALK

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
EXP-1	0745	4					55.01	128.81		
EXP-2	0831	4					55.22	127.79		
EXP-3	0907	4					54.10	123.16		
WCW-13	0950	4					31.34	60.35		
GMW-0-1	1025	4					23.90	49.14		
GMW-0-3	1105	4					24.77	48.34		
EXP-5	1150	4					49.02	113.20		
GMW-0-19	1220	4					26.16	40.00		
WCW-3	1325	4					29.44	50.38		
GMW-38	1400	4					29.92	53.16		
WCW-7	1433	4					30.00	51.45		
GMW-0-2	0715	4					25.10	49.25		
GMW-0-16	0800	4					26.30	48.61		
GMW-39	0837	4					27.41	50.54		
GMW-0-18	0920	4					26.54	40.12		
GMW- SF-1	1000	6					31.74	51.39		
P2-5	1420	4					25.99	38.28		

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: EXP-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 128.81	Depth to Water: Pre: 55.01 Post: 55.14
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 _____
 Flow Rate: 500 mL / MIN @ 0800 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
0803	20.39	7.25	1095	1	0.80	108.1	1500	55.11
0806	20.45	7.33	1143	1	0.51	118.4	3000	55.12
0809	20.51	7.34	1157	1	0.47	120.8	4500	55.12
0812	20.55	7.34	1161	1	0.44	122.5	6000	55.14
0815	20.60	7.34	1144	1	0.44	122.9	7500	55.14
0818	20.62	7.34	1170	1	0.43	123.3	9000	55.14

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.0 L
Sampling Time: 0819	Sampling Date: 3/15/10
Sample I.D.: EXP-1	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: see C.I.C.
Equipment Blank I.D.: @ Time	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: EXP-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 127.79	Depth to Water: Pre: 55.22 Post: 55.28
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI 536</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 500 mL/min @ 0838 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
0841	20.31	7.25	1760	2	0.59	143.6	1500	55.28
0844	20.50	7.24	1762	2	0.40	141.0	3000	55.28
0847	20.60	7.23	1756	1	0.34	138.5	4500	55.29
0850	20.67	7.23	1749	1	0.30	136.6	6000	55.29
0853	20.78	7.23	1743	1	0.29	135.2	7500	55.29
0856	20.80	7.23	1740	1	0.27	134.9	9000	55.28

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.0 L
Sampling Time: 0857	Sampling Date: 3/15/10
Sample I.D.: EXP-2	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOCs</u> MTBE	Other: see r.o.c.
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TK	Start Date: 3/15/10
Well I.D.: EXP-3	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 123.16	Depth to Water: Pre: 54.10 Post: 54.16
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 _____
 Flow Rate: 500 mL / MIN @ 0914 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
0917	20.90	7.42	1019	2	0.43	118.1	1500	54.16
0920	21.04	7.41	1017	2	0.35	124.7	3000	54.16
0923	21.14	7.41	1002	2	0.36	123.1	4500	54.16
0924	21.21	7.41	998	2	0.28	120.0	6000	54.16
0929	21.29	7.41	995	2	0.28	119.0	7500	54.16

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

Sampling Time: 0930 Sampling Date: 3/15/10

Sample I.D.: EXP-3 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: See C10.C

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: M	Start Date: 3/15/10
Well I.D.: EXP-5	Well Diameter: 2 3 4 6 8
Total Well Depth: 113.20	Depth to Water: Pre: 49.02 Post: 49.08
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 500 mL / MIN @ 1149 Pump Depth: 100'

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
1152	20.88	7.41	1001	2	0.48	96.3	1500	49.08
1155	20.94	7.39	1030	2	0.35	90.6	3000	49.08
1158	21.03	7.37	1045	2	0.29	88.3	4500	49.08
1201	21.10	7.36	1048	2	0.22	86.2	6000	49.08
1204	21.15	7.36	1045	2	0.20	81.9	7500	49.08
1207	21.20	7.36	1072	2	0.20	80.0	9000	49.08

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.0L
Sampling Time: 1208	Sampling Date: 3/15/10
Sample I.D.: EXP-5	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOCs MTBE	Other: see note
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: GMW-0-1	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.14	Depth to Water: Pre: 23.90 Post: 24.04
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 _____
 Flow Rate: 500 mL/min @ 1030 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
1033	21.90	6.85	2911	5	3.52	205.3	1500	24.00
1034	22.11	6.84	2918	3	3.50	204.0	3000	24.02
1039	22.16	6.84	2930	2	3.46	196.7	4500	24.03
1042	22.22	6.85	2945	2	3.47	190.5	6000	24.05
1045	22.34	6.84	2953	2	3.41	184.5	7500	24.05
1048	22.40	6.85	2962	2	3.40	180.9	9000	24.04

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 9.0 L
Sampling Time: 1049	Sampling Date: 3/15/10
Sample I.D.: GMW-0-1	Laboratory: Alpha <u>Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE	Other: <u>See C.O.C.</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR 1	Client: KMEP
Sampler: TR	Start Date: 8/15/10
Well I.D.: GMW-0-2	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 49.25	Depth to Water: Pre: 25.10 Post: 25.26
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 _____
 Flow Rate: 500 mL / MIN @ 0720 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
0723	18.93	6.78	2673	14	1.98	190.3	1500	25.22
0726	19.19	6.83	2702	8	1.42	192.7	3000	25.24
0729	19.40	6.86	2693	6	1.56	189.3	4500	25.24
0732	19.48	6.87	2681	5	1.49	187.6	6000	25.25
0735	19.59	6.87	2688	5	1.52	185.8	7500	25.25
0738	19.70	6.88	2680	5	1.46	184.0	9000	25.26

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 9.0 L
Sampling Time: 0739	Sampling Date: 8/16/10
Sample I.D.: GMW-0-2	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: see C.O.C.
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: GMW-0-3	Well Diameter: 2 3 4 6 8
Total Well Depth: 48.34	Depth to Water: Pre: 24.77 Post: 24.89
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 _____
 Flow Rate: 500 mL/MIN @ 1105 Pump Depth: 42'

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
1108	21.95	6.96	2800	75	0.35	49.3	1500	24.81
1111	22.12	6.99	2803	59	0.35	25.8	3000	24.84
1114	22.20	6.99	2805	65	0.41	6.8	4500	24.86
1117	22.26	6.99	2804	60	0.35	-10.3	6000	24.87
1120	22.32	7.01	2804	52	0.35	-19.5	7500	24.87
1123	22.40	7.01	2808	50	0.35	-25.0	9000	24.89
1124	22.44	7.01	2805	47	0.35	-26.6	10500	24.89

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 10.5L
Sampling Time: 1127	Sampling Date: 3/15/10
Sample I.D.: GMW-0-3	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: See C10-C.
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: GMW-0-19	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 40.00	Depth to Water: Pre: 26.16 Post: 26.22
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVO Grade	Flow Cell Type: YSI 356

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 600 mL/MIN @ 1248 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
1251	22.39	7.02	1549	5	0.68	144.0	1500	26.22
1254	22.50	7.01	1550	3	0.48	184.4	3000	26.22
1257	22.55	7.01	1550	3	0.41	172.5	4500	26.22
1300	22.59	7.02	1550	3	0.35	168.4	6000	26.22
1303	22.66	7.02	1553	2	0.32	165.0	7500	26.22
1306	22.69	7.02	1554	2	0.32	160.3	9000	26.22

Did well dewater? Yes No Amount actually evacuated: 9000 mL

Sampling Time: 1307 Sampling Date: 3/15/10

Sample I.D.: GMW-0-19 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOO's MTBE Other: see note

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TK 1	Client: KMEP
Sampler: tr	Start Date: 3/15/10
Well I.D.: GMW-0-14	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.56	Depth to Water: Pre: 26.71 Post: 26.85
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: YSI 856

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 500 mL / MIN @ 1223 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
1226	23.75	7.18	1377	15	0.49	-270.9	1500	26.83
1229	24.00	7.07	1542	11	0.40	-306.5	3000	26.83
1232	24.13	7.02	1842	8	0.51	-335.3	4500	26.84
1235	24.30	7.01	1912	6	0.54	-342.5	6000	26.84
1238	24.34	7.02	1940	5	0.53	-348.8	7500	26.84
1241	24.40	7.02	1952	5	0.50	-355.3	9000	26.85
1244	24.42	7.02	1961	5	0.49	-356.8	10500	26.85

Did well dewater? Yes <u>No</u>	Amount actually evacuated: 10.5 L
Sampling Time: 1245	Sampling Date: 3/16/10
Sample I.D.: GMW-0-14	Laboratory: Alpha Analytical
Analyzed for: <u>TPH</u> <u>TPHfp</u> <u>VOCs</u> MTBE	Other: see c.o.c
Equipment Blank I.D.: @ _____	Duplicate I.D.: DUP-3

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: GMW-0-15	Well Diameter: 2 3 4 6 8 <u> </u>
Total Well Depth: <u> </u>	Depth to Water: Pre: <u> </u> Post: <u> </u>
Depth to Free Product: <u> </u>	Thickness of Free Product (feet): <u> </u>
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. PUMP
 Flow Rate: 500 mL / MIN @ 1057 Pump Depth:

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
- EXTRACTION PUMP RUNNING IN WELL -								
- PORT SAMPLE TAKEN w/ KIPPER MORGAN REP -								
1100	23.06	7.45	2632	5	3.77	87.2	1500	
1103	22.96	7.45	2640	4	3.69	56.1	3000	
1106	22.90	7.47	2697	4	3.71	37.2	4500	

Did well dewater? Yes No Amount actually evacuated: 4500 mL

Sampling Time: 1107 Sampling Date: 3/16/10

Sample I.D.: GMW-0-15 Laboratory: Alpha Analytical

Analyzed for: DPHg DPPhp VODs MIBE Other: see C.O.C

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

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/16/10
Well I.D.: GMW-0-16	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 48.61	Depth to Water: Pre: 26.30 Post: 26.38
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	Flow Cell Type: <u>YSI</u> 556

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 500 mL / MIN @ 0801 Pump Depth: 43'

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
0804	20.75	7.03	2160	3	0.48	192.3	1500	26.38
0807	21.03	7.02	2171	2	0.41	181.2	3000	26.38
0810	21.11	7.03	2169	2	0.36	176.5	4500	26.38
0813	21.19	7.03	2161	2	0.37	148.5	6000	26.38
0816	21.26	7.04	2155	2	0.35	163.6	7500	26.38
0819	21.33	7.04	2151	2	0.34	160.6	9000	26.38

Did well dewater? Yes <u>NO</u>	Amount actually evacuated: <u>9.0L</u>
Sampling Time: <u>0820</u>	Sampling Date: <u>3/16/10</u>
Sample I.D.: <u>GMW-0-16</u>	Laboratory: <u>Alpha</u> /Analytical
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOC's</u> MTBE	Other: <u>see C.O.C</u>
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TX1	Client: KMEP
Sampler: TX	Start Date: 3/15/10
Well I.D.: GMW-0-18	Well Diameter: 2 3 (4) 6 8
Total Well Depth: 40.12	Depth to Water: Pre: 26.54 Post: 26.69
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 _____
 Flow Rate: 500 mL/min @ 0921 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
0924	19.73	6.88	5238	17	0.49	112.0	1500	26.64
0927	20.02	6.89	5237	12	0.40	70.3	3000	26.65
0930	20.12	6.91	5192	8	0.36	10.1	4500	26.67
0933	20.18	6.91	5158	6	0.32	-11.5	6000	26.67
0936	20.20	6.91	5085	5	0.31	-40.3	7500	26.67
0939	20.28	6.91	5046	5	0.30	-44.6	9000	26.69
0942	20.34	6.92	5013	6	0.30	-53.5	10500	26.69
0945	20.40	6.92	4999	5	0.30	-58.0	12000	26.69

Did well dewater? Yes No Amount actually evacuated: 12000 mL

Sampling Time: 0946 Sampling Date: 3/16/10

Sample I.D.: GMW-0-18 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOCs MTBE Other: see C.O.C.

Equipment Blank I.D.: @ Duplicate I.D.: DUP-1

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: GMW-36	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 49.86	Depth to Water: Pre: 26.80 Post: 27.08
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>FVC</u> Grade	Flow Cell Type: <u>YSI556</u>

Purge Method: 2" Grundfos Pump Peristaltic Pump Bladder Pump
 Sampling Method: Dedicated Tubing New Tubing Other _____
 Flow Rate: 500 mL/MIN @ 1314 Pump Depth: 44'

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
1317	24.20	7.58	1952	10	0.53	-66.5	1500	27.04
1320	24.29	7.59	1940	7	0.46	-86.3	3000	27.07
1323	24.32	7.61	1935	5	0.46	-94.7	4500	27.08
1324	24.38	7.61	1930	5	0.47	-106.3	6000	27.08
1329	24.41	7.61	1932	5	0.45	-110.5	7500	27.08
1332	24.44	7.63	1927	5	0.45	-111.3	9000	27.08

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.0L
Sampling Time: 1333	Sampling Date: 3/16/10
Sample I.D.: GMW-36	Laboratory: Alpha Analytical
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOCS</u> MTBE	Other: <u>see C10-C.</u>
Equipment Blank I.D.: EB-2 @ 1410 <small>Time</small>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR 1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: GMW-33	Well Diameter: 2 3 4 6 8
Total Well Depth: 53.14	Depth to Water: Pre: 27.92 Post: 28.05
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 _____
 Flow Rate: 500 mL / MIN @ 1404 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
1407	22.30	7.33	543	5	0.67	130.7	1500	28.03
1410	22.50	7.29	544	3	0.59	120.6	3000	28.05
1413	22.59	7.28	546	3	0.55	116.3	4500	28.05
1416	22.64	7.25	548	3	0.52	114.5	6000	28.05
1419	22.70	7.25	550	3	0.51	113.5	7500	28.05

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: 7.5 L
Sampling Time: 1420	Sampling Date: 3/15/10
Sample I.D.: GMW-33	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: see coc.
Equipment Blank I.D.: @ _____	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well ID.: GMW-39	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 50.54	Depth to Water: Pre: 27.41 Post: <u>27.59</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 _____
 Flow Rate: 500 mL / MIN @ 0840 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
0843	21.18	7.35	1051	4	0.63	188.6	1500	27.56
0846	21.50	7.34	1052	2	0.41	178.0	3000	27.57
0849	21.59	7.34	1053	2	0.32	168.3	4500	27.59
0852	21.66	7.34	1053	2	0.29	165.1	6000	27.59
0855	21.70	7.34	1053	2	0.30	163.0	7500	27.59

Did well dewater? Yes <input type="radio"/> No <input checked="" type="radio"/>	Amount actually evacuated: <u>7.5 L</u>
Sampling Time: <u>0856</u>	Sampling Date: <u>3/16/10</u>
Sample I.D.: <u>GMW-39</u>	Laboratory: <u>Alpha Analytical</u>
Analyzed for: <u>TPHg</u> <u>TPHfp</u> <u>VOCs</u> <u>MTBE</u>	Other: <u>see 6301C</u>
Equipment Blank I.D.: <u>@</u>	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: MW-SF-1	Well Diameter: 2 3 4 (6) 8
Total Well Depth: 51.39	Depth to Water: Pre: 31.74 Post: 31.85
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 _____
 Flow Rate: 500 mL/MIN @ 100psi Pump Depth: 46'

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
1009	25.8	6.98	1847	63	0.37	-245.8	1500	31.86
1012	25.94	6.99	1872	54	0.24	-296.3	3000	31.85
1015	25.99	7.00	1851	42	0.23	-318.5	4500	31.85
1018	26.11	6.96	1842	38	0.25	-325.4	6000	31.85
1021	26.18	6.92	1840	35	0.26	-330.0	7500	31.85
1024	26.25	6.92	1836	35	0.25	-333.1	9000	31.85

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.0L
Sampling Time: 1025	Sampling Date: 3/16/10
Sample I.D.: MW-SF-1	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHeP VOC's MTBE	Other: see C.O.C.
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: MW-SF-4	Well Diameter: 2 3 (4) 6 8
Total Well Depth: —	Depth to Water: Pre: 31.95 Post: —
Depth to Free Product: 31.91	Thickness of Free Product (feet): 0.04
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~~

Flow Rate: _____ 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
—	0.04'	OF SPH DETECTED WITH INTERFACE						
							PROBE	—
—	CONFIRMED WITH DISP. BAILER TEST							
—	NO PURGE OR SAMPLES TAKEN							

Did well dewater? Yes No	Amount actually evacuated:
Sampling Time:	Sampling Date:
Sample I.D.:	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 #: 100315-TR1	Client: KMEP
Sampler: M	Start Date: 3/15/10
Well I.D.: WCW-3	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 50.38	Depth to Water: Pre: 29.44 Post: 29.46
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 _____
 Flow Rate: 500 mL/min @ 1327 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
1330	21.59	6.95	3345	10	0.85	209.1	1500	29.46
1333	21.68	6.95	3340	6	0.60	199.3	3000	29.46
1336	22.02	6.95	3342	4	0.50	185.8	4500	29.46
1339	22.16	6.95	3340	4	0.38	183.0	6000	29.46
1342	22.20	6.95	3329	4	0.34	182.0	7500	29.46
1345	22.21	6.96	3327	3	0.39	181.5	9000	29.46

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.0 L
Sampling Time: 1340	Sampling Date: 3/15/10
Sample I.D.: WCW-3	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOC's MTBE	Other: see C.O.C.
Equipment Blank I.D.: @	Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: NCW-7	Well Diameter: 2 3 4 6 8
Total Well Depth: 51.45	Depth to Water: Pre: 30.00 Post: 30.11
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	Flow Cell Type: YSI 956

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

Flow Rate: 500 mL/min @ 1438 Pump Depth: 46'

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
1441	22.88	6.93	4004	3	0.58	136.3	1500	30.09
1444	22.94	6.91	4011	3	0.46	97.3	3000	30.10
1447	23.00	6.90	4093	2	0.37	88.3	4500	30.10
1450	23.06	6.90	4104	3	0.35	88.0	6000	30.11
1453	23.10	6.90	4114	2	0.35	82.9	7500	30.11

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

Sampling Time: 1454 Sampling Date: 3/15/10

Sample I.D.: W CW-7 Laboratory: Alpha Analytical

Analyzed for: TPHg TPHfp VOC's MTBE Other: see c.o.c.

Equipment Blank I.D.: EB-1 @ 1500 Time Duplicate I.D.:

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: WCW-13	Well Diameter: 2 3 ④ 6 8
Total Well Depth: 60.35	Depth to Water: Pre: 31.34 Post: 31.52
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 _____
 Flow Rate: 500 mL/min @ 0953 Pump Depth: 55'

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
0954	20.09	7.29	2471	605	0.49	224.3	1500	31.51
0959	20.40	7.28	2471	657	0.40	209.5	3000	31.51
1002	20.49	7.27	2476	505	0.35	196.2	4500	31.51
1005	20.53	7.26	2477	318	0.32	176.9	6000	31.51
1008	20.60	7.26	2479	108	0.30	170.4	7500	31.52
1011	20.66	7.24	2459	117	0.29	168.6	9000	31.52
1014	20.69	7.24	2475	④ 105	0.29	163.5	10500	31.52

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 10.5 L
Sampling Time: 1015	Sampling Date: 3/15/10
Sample I.D.: 60 WCW-13	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHp VOC's MTBE	Other: see c.o.c.
Equipment Blank I.D.: @ _____	Duplicate I.D.: _____

LOW FLOW WELL MONITORING DATA SHEET

Project #: 100315-TR1	Client: KMEP
Sampler: TR	Start Date: 3/15/10
Well I.D.: P2-5	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth: 38.28	Depth to Water: Pre: 25.99 Post: 26.07
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 _____
 Flow Rate: 500 mL/min @ 1124 Pump Depth: 33'

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
1127	21.14	6.85	2782	21	0.68	-58.6	1500	25.99
1130	21.50	6.83	2779	13	0.66	-72.8	3000	26.04
1133	21.61	6.82	2773	9	0.64	-86.6	4500	26.05
1136	21.80	6.82	2765	6	0.47	-84.5	6000	26.05
1139	21.86	6.82	2757	5	0.45	-85.0	7500	26.07
1142	21.92	6.82	2746	5	0.44	-87.8	9000	26.07

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Amount actually evacuated: 9.0 L
Sampling Time: 1143	Sampling Date: 3/16/10
Sample I.D.: P2-5	Laboratory: Alpha Analytical
Analyzed for: TPHg TPHfp VOCs MTBE	Other: see C.O.C.
Equipment Blank I.D.: @ _____	Duplicate I.D.: DUP-2

BLAINE

TECH SERVICES, INC.

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

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 1 of 2

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

Kinder Morgan Norwalk
 Report to:
 Thandat Phyu and Shioh-Whei Chou
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

CHAIN OF CUSTODY

CLIENT

Kinder Morgan

SITE

DFSP Norwalk

15306 Norwalk Blvd, Norwalk

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS			TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	Selenium By EPA 6020											
			AC= Water	#	Preservation	Type														
TS-1	3/15/10	0700	AQ	2	HCL	VQA	X	X												
GMW-0-1		1049		6			✓	✓												
EXP-3		0930		6			X	✓												
WCW-13		1015		6			X	X												
EXP-2		0857		6			✓	✓												
EXP-1		0819		6			X	X												
GMW-0-19		1307		6			✓	✓												
EXP-5		1208		6			✓	✓												
GMW-0-3		1127		6			✓	✓												
WCW-3	D	1346	7	6			X	X												

ADD'L INFORMATION STATUS CONDITION LAB SAMPLE #

SAMPLING DATE TIME SAMPLING PERFORMED BY
 COMPLETED 3-15-10 1500 T. RHYMES

RESULTS NEEDED NO LATER THAN Standard

RELEASED BY		TIME	1330	RECEIVED BY		DATE	3/15/10	TIME	1330
RELEASED BY		TIME	1700	RECEIVED BY		DATE	3/15/10	TIME	1700
RELEASED BY		TIME	1700	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

CONDUCT ANALYSIS TO DETECT

LAB

Alpha Analytical COC 2 of 2

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

Kinder Morgan Norwalk
 Report to:
 Thandat Phyu and Shioh-Whei Chou
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

CHAIN OF CUSTODY

CLIENT
 Kinder Morgan


SITE
 DFSP Norwalk

15306 Norwalk Blvd, Norwalk


SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	Selenium By EPA 6020							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
			AQ= Water	#	Preservation														Type
GMW-39	3/15/10	1420	AQ	6	HCL	VOA	X	X											
WCW-7		1454		6	HCL	VOA	X	X											
EB-1		1500		7	VOA/ POLY	HCL/ HNO3	X	X	X										

SAMPLING COMPLETED 3/15/10 1500
 SAMPLING PERFORMED BY T. RHYMES

RESULTS NEEDED
 NO LATER THAN Standard

RELEASED BY 

TIME 1330 RECEIVED BY  DATE 3/15/10 TIME 1330

RELEASED BY 

TIME 1700 RECEIVED BY  DATE 3/15/10 TIME 1700

RELEASED BY 

TIME 1700 RECEIVED BY DATE TIME

SHIPPED VIA TIME SENT COOLER #

BLAINE

ECH SERVICES, INC.

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

CHAIN OF CUSTODY

CLIENT: **Kinder Morgan**

OFFICE: **DFSP Norwalk**

ADDRESS: **15306 Norwalk Blvd, Norwalk**

CONDUCT ANALYSIS TO DETECT

LAB: **Alpha Analytical COC 1 of 2**

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

Kinder Morgan Norwalk
 Report to:
 Thandat Phyu and Shioh-Whei Chou
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	Selenium By EPA 6020												ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
				#	Preservation																			Type
4W-36	3/16/10	1333	AQ	7	HCL / HNO3	VOA / POLY	X	X	X															
1W-0-2		0739		6	HCL	VOA	X	X																
1W-0-14		1245		6	HCL	VOA	X	X																
1W-0-15		1107		7	HCL / HNO3	VOA / POLY	X	X	X															
1W-0-16		0820		6	HCL	VOA	X	X																
1W-0-18		0946		7	HCL / HNO3	VOA / POLY	X	X	X															
1W-39		0856		6	HCL	VOA	X	X																
4-5F-1		1025		6	HCL	VOA	X	X																
2-5		1143		6	HCL	VOA	X	X																
B-2		0700		2	HCL	VOA	X	X																

DATE COMPLETED: **3/16/10** TIME: **1410** SAMPLING PERFORMED BY: **T. RHYMES** RESULTS NEEDED NO LATER THAN: **Standard**

RELEASED BY: **TRK** TIME: **1620** RECEIVED BY: **ASO** DATE: **3/16/10** TIME: **1620**

RELEASED BY: **ASO** TIME: **1620** RECEIVED BY: **Anthony Stars** DATE: **3/16/10** TIME: **1620**

RELEASED BY: **Anthony Stars** TIME: **3/16/10 1620** RECEIVED BY: DATE: TIME:

PREPARED VIA: TIME SENT: COOLER #:

BLAINE

ECH SERVICES, INC.

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

IN CHARGE OF CUSTODY
 CLIENT: Kinder Morgan
 PROJECT: DFSP Norwalk
 ADDRESS: 15306 Norwalk Blvd, Norwalk

CONDUCT ANALYSIS TO DETECT

LAB: Alpha Analytical COC 2 of 2

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

Kinder Morgan Norwalk
 Report to:
 Thandat Phyu and Shiu-Whei Chou
 AMEC Geomatrix, Inc.
 510 Superior Ave. Suite 200
 Newport Beach, CA 92663

SAMPLE I.D.	DATE	TIME	MATRIX AQ= Water	CONTAINERS		TPHg, TPHfp (EPA 8015M)	VOC's & Oxygenates (EPA 8260B)	Selenium By EPA 6020								ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
				#	Preservation															Type
VP-1	3/16/10		AQ	6	HCL	VOA	X	X												
VP-2				6	HCL	VOA	X	X												
VP-3				6	HCL	VOA	X	X												
B-2		1410		7	HCL/ HNO3	VOA/ POLY	X	X	X											

ANALYSIS COMPLETED: 3/16/10 1410
 SAMPLING PERFORMED BY: T. RHYMES
 RESULTS NEEDED NO LATER THAN: Standard

RELEASED BY: [Signature] TIME: 1020 RECEIVED BY: [Signature] DATE: 3/16/10 TIME: 11020
 RELEASED BY: [Signature] TIME: 1020 RECEIVED BY: Anthony Stalk DATE: 3/16/10 TIME: 1620
 RELEASED BY: Anthony Stalk DATE: 3/16/10 TIME: 1620

PREPARED VIA: [Blank] TIME SENT: [Blank] COOLER #: [Blank]

WELLHEAD INSPECTION CHECKLIST

Client GEOMATRIX Date 3/15/16
 Site Address KMEP @ NORWALK
 Job Number 100315-TR1 Technician JK

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
EXP-1										
EXP-2										
EXP-3										
NCW-13	X	X	X							
GMW-0-1	X	X	X							
GMW-0-3	X	X	X							
EXP-5			X							
GMW-0-19			X							
NCW-3	X	X	X							
GMW-38										
NCW-7	X	X	X							
GMW-0-2	X	X	X							
GMW-0-16			X							
GMW-39										
P2-5	X	X	X							
GMW-0-14			X							
MW-SF-1										

NOTES: STANDPIPE: EXP-1, EXP-2, GMW-38, GMW-39, MW-SF 1
EXP-5: 0/2 BOLTS
GMW-0-19: 2/2 TABS STRIPPED
GMW-0-16: 2/2 BOLTS MISSING
GMW-0-14: 2/2 BOLTS MISSING

WELLHEAD INSPECTION CHECKLIST

Client GEO MATRIX Date 3/15/10

Site Address KMEP @ NORWALK

Job Number 100315-TR1 Technician TR

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
MW-SF-4										
GW-36										
GMW-0-18 GMW-0-18			X							

NOTES: GW-36 = 2'x2' VAULT / 0 BOLTS
GMW-0-18 = 2'x3' VAULT / 0 BOLTS

