



Stantec Consulting Services Inc.
725 East Fireweed Lane Suite 200, Anchorage AK 99503-2245

December 12, 2019

Stantec Project Number: 185751227

Anastasia Duarte, REHS/RS
Retail Environmental Remediation Administrator, Pacific Division
Speedway LLC
3450 South 344th Way, Suite 135
Auburn, Washington 98001-5931

Reference: Corrective Action Work Plan for 2020
Speedway Store 5315 (formerly Tesoro 2 Go Mart 111)
3679 College Road, Fairbanks, Alaska
ADEC Facility ID #1112; ADEC File #100.26.026

Dear Ms. Duarte:

This letter presents the 2020 (calendar year) Corrective Action Work Plan for the investigation and/or remediation of contamination at the above referenced site. This 2020 Corrective Action Work Plan will be presented at the annual Alaska Department of Environmental Conservation (ADEC)/Speedway (former Tesoro Alaska Company) work session scheduled for December 12, 2019, at the Anchorage office of Stantec Consulting Services Inc. (Stantec).

The following section provides a summary of the work plan tasks that were completed under the ADEC-approved 2019 Corrective Action Work Plan. Attached to this letter are the project site plans and analytical test results for samples collected during the completion of the tasks. The site plans and test results will be presented during the December 2019 work session.

2019 Work Plan Tasks

- Task 1 – Groundwater Monitoring
This task was completed in accordance with the approved 2019 work plan.
- Task 2 – Remediation System Operation and Maintenance (O&M)
This task was completed in accordance with the approved 2019 work plan.
- Task 3 – Chemical Oxidation Treatment
This task was completed in accordance with the approved 2019 work plan. In addition, Stantec injected a total of 600 gallons of prepared chemox solution consisting of 660 pounds of Klozur One[®] with an additional 1,200 gallons of well water into the re-purposed (former SVE lines) horizontal injection wells located under the fuel dispenser islands.
- Task 4 – Install New Groundwater Recirculation Well Pump and Treat System
This task was partially completed in accordance with the approved 2019 work plan. Stantec completed the installation and development of the 4-inch diameter remediation well that will be used in 2020 for groundwater capture and recirculation into the former SVE lines located under the fuel dispenser islands.



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The new well was labeled as RM-2 and was equipped with a submersible pump, but still requires permanent electrical service connection and associated plumbing connections to the former SVE wells. These connections will be completed in 2020 as proposed in the 2020 work plan described below.

The following section presents the proposed tasks for the 2020 Corrective Action Work Plan. The scope of these tasks is based on the results and findings of the monitoring and remediation completed to date at this site.

Proposed Work Plan Tasks for 2020

- Task 1 – Groundwater Monitoring

This task consists of conducting semi-annual monitoring of several on-site groundwater monitoring wells and quarterly monitoring of Remediation Wells RM1 and RM-2. Sampling locations and analyses for the wells are shown on the 2020 Work Plan Schedule below.

2020 Work Plan Schedule for Speedway Store 5315 (former Tesoro 2Go Mart 111)

Work Plan Task		1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
Task 1	Monitoring Wells: MW-10, MW-11, MW-12, MW-13, MW-16, G-1, G-5, MW 17-1 and MW 17-2	V, D, G, I, S		D, G, V, P, I, S	
	RM-1 and RM-2	V, D, G, I, S	V, D, G, I, S	D, G, V, P, I, S	V, D, G, I, S
Task 2	Complete the Installation of the RM-2 Well Recirculation Groundwater Treatment System		✓	✓	
Task 3	Recirculation Well Remediation Systems O&M	✓	✓	✓	✓
Task 4	Chemical Oxidation Treatment		✓	✓	

Key:

D – Diesel range organics by AK102.

G – Gasoline range organics by AK101.

I – Indicators, parameters tested include dissolved oxygen, specific conductance, oxygen-reduction potential, pH, sodium and temperature.

P – Polynuclear aromatic hydrocarbons (PAHs), i.e., semi-volatile organic compounds, by EPA Test Method 8270D Selective Ion Monitoring.

V – Volatile organic compounds by EPA Test Method 8260C.

S - Sodium



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- **Task 2 – Complete the Installation of the Groundwater Pump and Treat System**

During the 4th quarter of 2019, Stantec installed and developed the new 4-inch diameter remediation well (RM-2). As shown above in the 2020 Schedule, Stantec plans during the second quarter of 2020 to connect the submersible well pump via insulated piping to the three horizontal SVE lines that were originally used to extract soil vapor from the areas beneath the existing fuel dispenser islands. The piping system will be enclosed in a low profile shed. The new RM-2 well will be operated on a continuous basis similar to the existing RM-1 groundwater treatment system currently in operation at this site. An iMonnit[®] sensor will be installed on the electrical wires on the submersible well pump in RM-2 well. A second iMonnit[®] sensor will be installed on the RM-2 plumbing system to monitor water pressure.

- **Task 3 – Recirculation Well Remediation Systems O&M**

This task proposed to perform quarterly maintenance to operate the remediation system, consisting of the existing RM-1 and RM-2 groundwater recirculation systems for treating the vadose zone soil and groundwater beneath the existing USTs and fuel dispenser islands. The operation of the submersible pumps for both treatment systems will be monitored daily via the internet with iMonnit[®] wireless sensors and the equipment physically inspected monthly and maintenance provided on an as need basis.

- **Task 4 – Chemical Oxidation Treatment**

Stantec proposes to provide chemical oxidation treatment of the petroleum contaminated soil and groundwater twice a year into the three existing horizontal injection lines located beneath the fuel dispenser islands and the two horizontal injection lines located on east side of the USTs. The first annual injection will occur in the spring of the year after the winter frost dissipates, and the second injection will take place several months later just prior to winter freeze-up. A minimum of 500 gallons of a prepared solution of 550 pounds of the chemical oxidant Klozur One[®] (a chemical mixture consisting primarily of sodium persulfate) will be injected equally (100 gallons per well) into the five horizontal injection lines. The on-site monitoring wells will be sampled semi-annually as outlined in Task 1 to assess treatment impact the groundwater table. In addition, the monitoring wells and the pumped wells RM-1 and RM-2 will be sampled for sodium to monitor the distribution/migration of the oxidant.

The Corrective Action Work Plan for the year 2020 will be implemented by Stantec on behalf of Speedway. Groundwater monitoring will be conducted to track migration and trends of contaminants that are present at the site. All sampling activities will be completed in accordance with ADEC's *Underground Storage Tanks Procedures Manual– Standard Sampling Procedures* (March 22, 2017). The methods that will be used for conducting a monitoring event, unless otherwise noted in the monitoring report, will include:

- The static water levels in the monitoring wells will be measured with respect to the top of each well casing. The elevation of the static water level will be based on an arbitrary datum established on-site during a vertical control survey that will be completed by Stantec on an annual basis. The survey will be performed during the summer after the seasonal frost layer thaws.
- The monitoring wells will be purged of a minimum of three well bore volumes prior to collecting the water samples. A new, disposable, Teflon[®] bailer will be used to sample each well. The first bail of



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water removed from each well will be examined for petroleum odor, sheen, and any other unique physical features.

- Water and vapor samples will be collected in laboratory-supplied sample containers. The samples will be delivered to an ADEC-approved laboratory in accordance with standard chain-of-custody procedures.
- Additional water samples will be collected from the monitoring wells after the well has been purged, as described above, and tested in the field for chemical and physical intrinsic parameters listed in the 2020 Work Plan Schedule shown above.

If you have any questions or need additional information concerning this 2020 Corrective Action Work Plan, please contact us at (907) 248-8883.

Regards,

STANTEC CONSULTING SERVICES INC.

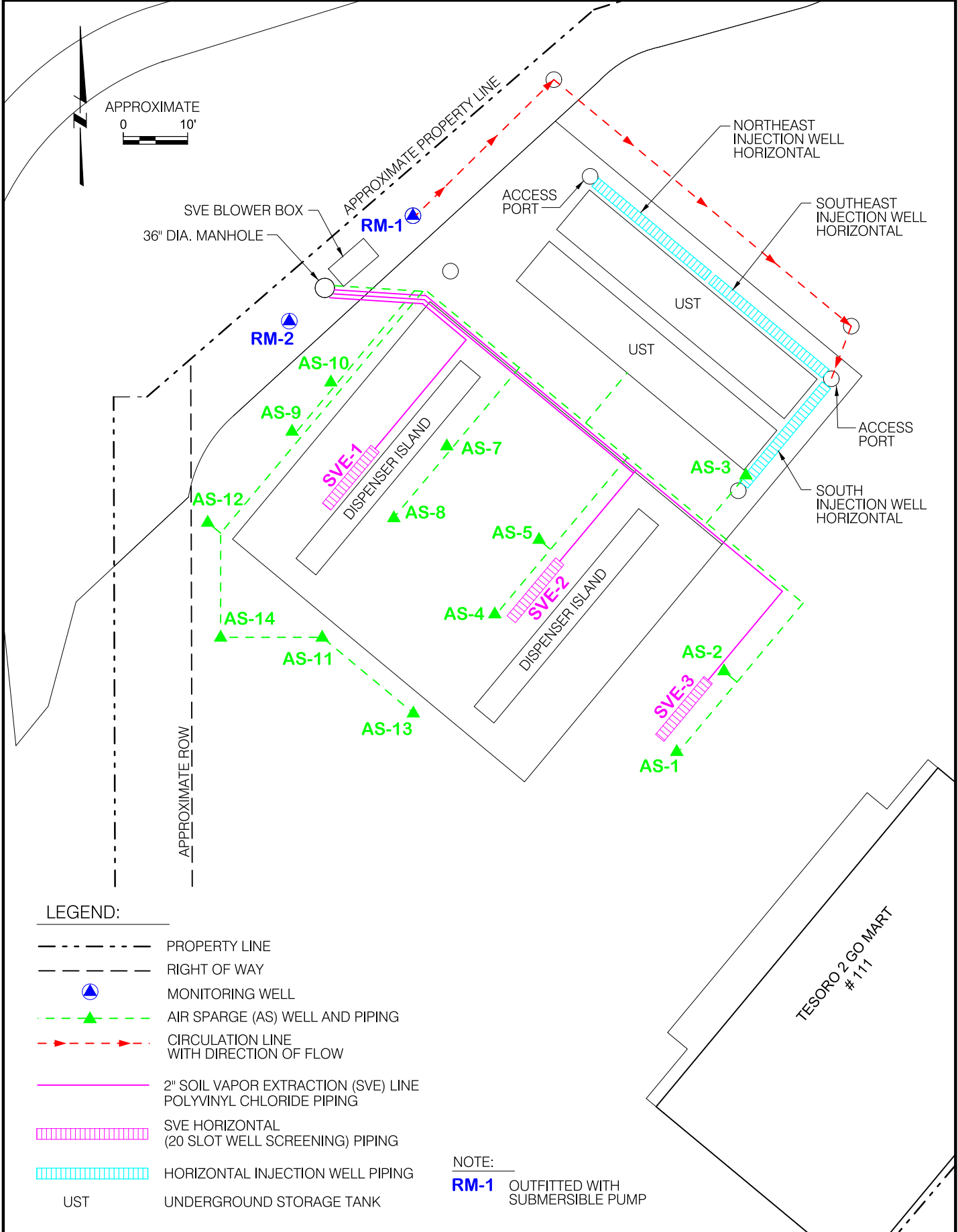
Michael A. Zidek, PMP
Project Manager

Bob Gilfilian, P.E.
Project Technical Lead

Attachments: Site Plans
Analytical Test Results

FILE: C:\D\CAD\Proj\Tesoro\TGMart111_185751227\2019\Remedial Well RM-2 Installation\October 2019\FIG02 RM-2 Installation.dgn

TIME: 21-OCT-2019 10:38



LEGEND:

- PROPERTY LINE
- RIGHT OF WAY
- ▲ MONITORING WELL
- ▲ AIR SPARGE (AS) WELL AND PIPING
- CIRCULATION LINE WITH DIRECTION OF FLOW
- 2" SOIL VAPOR EXTRACTION (SVE) LINE POLYVINYL CHLORIDE PIPING
- ▤ SVE HORIZONTAL (20 SLOT WELL SCREENING) PIPING
- ▤ HORIZONTAL INJECTION WELL PIPING
- UST
- UNDERGROUND STORAGE TANK

NOTE:
RM-1 OUTFITTED WITH SUBMERSIBLE PUMP



TESORO COMPANY
 TESORO 2 GO MART #111
 JULY - AUGUST 2019
 REMEDIATION WELL RM-2 INSTALLATION

REMEDIATION SYSTEM LAYOUT

FIGURE
 2

185751227.
 200.205

RM-1

Benzene	U (0.15)
Toluene	0.4
Ethylbenzene	0.23
Xylenes	1.55
GRO	6.1
DRO	1.1
1,2,4 TMB	0.27
1,3,5 TMB	0.1
1 Methylnaphthalene	0.018
Naphthalene	0.02
GW Elev.	415.38'

MW 17-2

Benzene	U (0.15)
Toluene	1.8
Ethylbenzene	0.5
Xylenes	3.9
GRO	16
DRO	8.5
1,2,4 TMB	0.25
1,3,5 TMB	0.081
1 Methylnaphthalene	0.0062
Naphthalene	0.051
GW Elev.	416.35'

MW 17-2 (Duplicate)

Benzene	U (0.15)
Toluene	1.9
Ethylbenzene	0.6
Xylenes	4.5
GRO	12
DRO	9.4
1,2,4 TMB	0.14
1,3,5 TMB	0.072
1 Methylnaphthalene	0.0072
Naphthalene	0.049
GW Elev.	416.35'

MW-11

Benzene	U (0.15)
Toluene	0.16
Ethylbenzene	0.67
Xylenes	4.96
GRO	15
DRO	9.8
1,2,4 TMB	0.76
1,3,5 TMB	0.23
1 Methylnaphthalene	0.025
Naphthalene	0.1
GW Elev.	416.28'

MW-10

Benzene	U (0.15)
Toluene	U (0.1)
Ethylbenzene	0.2
Xylenes	0.82
GRO	5.6
DRO	13
1,2,4 TMB	0.24
1,3,5 TMB	0.097
1 Methylnaphthalene	0.005
Naphthalene	0.018
GW Elev.	416.33'

MW 17-1

Benzene	0.36
Toluene	9.2
Ethylbenzene	3.4
Xylenes	14.9
GRO	88
DRO	3.9
1,2,4 TMB	1.3
1,3,5 TMB	0.28
1 Methylnaphthalene	0.015
Naphthalene	0.13
GW Elev.	416.35'

G-5

Benzene	U (0.15)
Toluene	U (0.1)
Ethylbenzene	0.18
Xylenes	0.71
GRO	2.9
DRO	1.2
1,2,4 TMB	0.14
1,3,5 TMB	0.032
1 Methylnaphthalene	0.0029
Naphthalene	0.017
GW Elev.	416.31'

G-1

Benzene	U (0.003)
Toluene	U (0.002)
Ethylbenzene	U (0.003)
Xylenes	U (0.003)
GRO	U (0.25)
DRO	0.30
1,2,4 TMB	U (0.003)
1,3,5 TMB	U (0.003)
1 Methylnaphthalene	U (0.00011)
Naphthalene	0.0007
GW Elev.	416.29'

MW-16

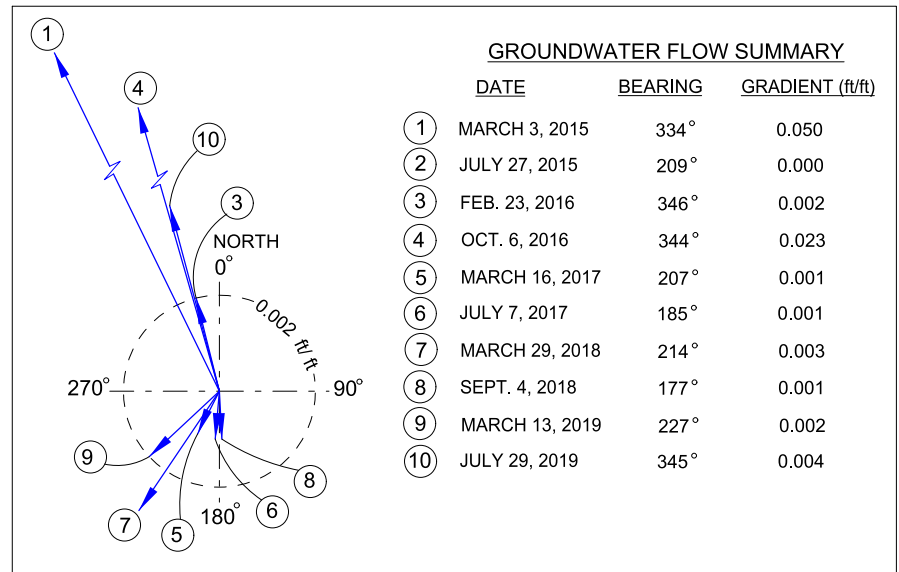
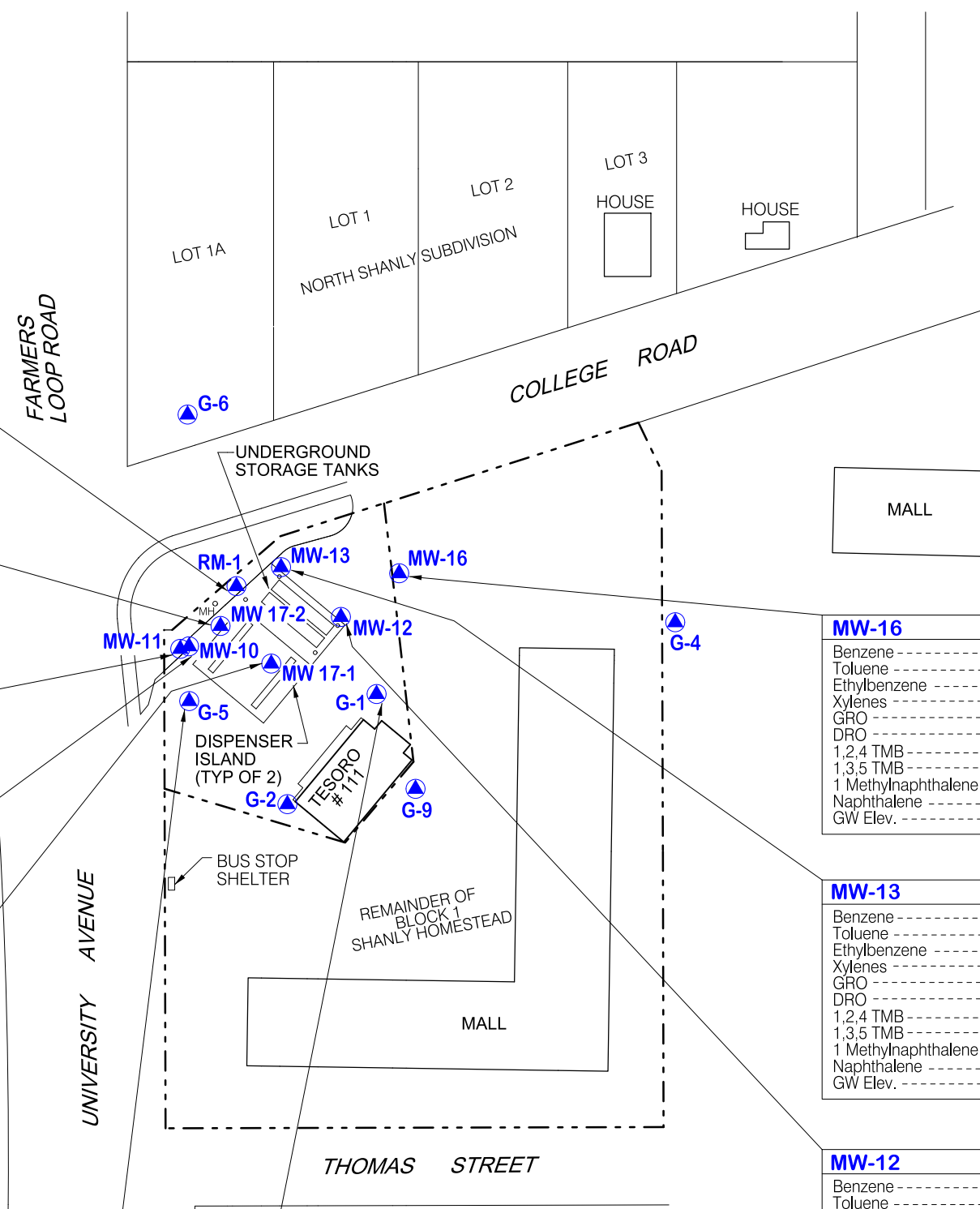
Benzene	U (0.003)
Toluene	U (0.002)
Ethylbenzene	U (0.003)
Xylenes	0.003
GRO	U (0.25)
DRO	0.39
1,2,4 TMB	U (0.003)
1,3,5 TMB	U (0.003)
1 Methylnaphthalene	U (0.00011)
Naphthalene	U (0.00011)
GW Elev.	416.37'

MW-13

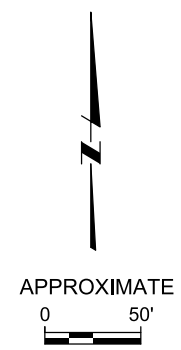
Benzene	U (0.003)
Toluene	U (0.002)
Ethylbenzene	0.0085
Xylenes	0.0214
GRO	0.45
DRO	1.1
1,2,4 TMB	0.054
1,3,5 TMB	0.051
1 Methylnaphthalene	0.00018
Naphthalene	0.00015
GW Elev.	416.37'

MW-12

Benzene	U (0.003)
Toluene	U (0.002)
Ethylbenzene	U (0.003)
Xylenes	0.0039
GRO	0.26
DRO	0.47
1,2,4 TMB	0.012
1,3,5 TMB	0.0072
1 Methylnaphthalene	U (0.00011)
Naphthalene	U (0.00011)
GW Elev.	416.38'



- LEGEND:**
- PROPERTY LINE
 - ▲ MONITORING WELL LOCATION
 - DRO DIESEL RANGE ORGANICS
 - ft/ft FEET PER FOOT
 - GRO GASOLINE RANGE ORGANICS
 - GW Elev. GROUNDWATER ELEVATION IN FEET
 - TMB TRIMETHYLBENZENE
 - U UNDETECTED ABOVE PRACTICAL QUANTITATION LIMIT SHOWN IN PARENTHESES
- NOTES:**
- RESULTS SHOWN ARE FOR WELLS SAMPLED ON JULY 29 AND 30, 2019.
 - RESULTS ARE IN MILLIGRAMS PER LITER.
 - BOLD/RED TEXT INDICATES CONTAMINANT CONCENTRATIONS ABOVE CLEANUP LEVELS FOR THIS SITE.
 - RM-1 OPERATING DURING GAUGING.



**Appendix D
Tables of Historical Monitoring Data**

Monitoring Well MW-10

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
10-Mar-94	19	24	2.3	19	NT	NT	418.07
09-Sep-94	15.2	18	0.9	14.9	NT	NT	419.89
12-Dec-94	16.7	20	2.1	15.5	NT	NT	418.1
15-Aug-97	8.3	14.4	1.16	9.35	77	NT	415.92
27-May-99	6.88	13.4	1.35	7.17	64	12.8	415.09
17-Apr-00	1.86	7.06	0.887	3.47	35	5.84	413.89
26-Oct-00	1.88	7.2	0.914	5.53	39.7	9.04	417.44
30-May-01	NT	NT	NT	NT	NT	NT	NM
13-Dec-01	2.7	9.6	1.59	7.73	53.8	10.1	413.14
01-May-02	0.0122	0.0074	0.0137	0.117	1.1	1.96	414.55
19-Aug-02	1.92	3.55	0.664	3.512	27.5	15.9	417.86
05-Nov-02	0.0456	0.00533	0.0368	0.1189	1.7	6.78	417.06
19-Mar-03	0.477	0.313	0.319	1.404	8.8	12.9	416.21
05-Aug-03	2.54	8.79	0.876	7.09	61.8	17.6	418.43
07-Nov-03	NT	NT	NT	NT	NT	NT	NM
08-Mar-04	0.198	0.912	U (0.025)	2.89	12.8	10.3	414.92
15-Sep-04	0.0802	0.00234	0.0497	0.446	2.06	6.01	416.64
10-Jan-05	NT	NT	NT	NT	NT	NT	414.80
15-Jul-05	0.416	3.37	0.513	3.63	25.6	14.9	417.82
16-Feb-06	NT	NT	NT	NT	NT	NT	NM
27-Jul-06	NT	NT	NT	NT	NT	NT	417.06
27-Jul-06	0.413	5.3	0.714	4.88	32.5	16.3	417.06
02-Mar-07	0.203	2.33	0.545	3.9	32.8	8.8	414.23
17-Oct-07	0.00324	0.00102	0.0105	0.0406	1.15	6.43	416.47
05-Jun-08	0.23	2.9	1.18	8.14	38.4	10.2	415.69
29-Sep-08	0.00139	0.00403	0.012	0.0777	1.18	3.67	417.20
25-Feb-09	0.0778	2.7	1.18	8.89	43.4	30.3	NM
21-Jul-09	0.014	1.77	1.26	12.2	47.3	11.8	416.71
17-Mar-10	0.0027	1.50	1.20	9.5	92	16.2	413.98
15-Sep-10	0.00635	0.0902	0.776	4.06	16.2	21.3	416.60
22-Mar-11	0.00425	0.0195	0.678	3.15	16.0	17.4	414.01
01-Sep-11	0.00673	0.0908	0.498	3	22.5	30.5	417.49
13-Mar-12	U (0.010)	U (0.010)	0.118	0.679	4.2	10.3	414.42
23-Jul-12	0.00226	0.0012	0.00161	U (0.0030)	0.32	2.57	416.97
21-Feb-13	0.000877	0.00156	0.00702	0.166	2.69	4.55	414.24
13-Aug-13	0.00245	0.00455	0.022	0.0755	1.59	10.3	416.54*
19-Mar-14	0.000642	0.00404	0.015	0.119	1.98	7.82	414.30
31-Jul-14	0.011	0.00240	0.047	1.20	5.0	10.0	419.65
03-Mar-15	0.00067	U (0.0005)	0.0020	0.0063	0.23	3.2	414.98
27-Jul-15	0.0012	0.0020	0.0037	0.011	0.65	4.0	416.16
23-Feb-16	U (0.001)	U (0.001)	U (0.001)	U (0.001)	U (0.05)	2.7	415.20
06-Oct-16	U (0.001)	U (0.001)	U (0.001)	U (0.001)	U (0.05)	2.3	418.72
16-Mar-17	0.011	0.0027	0.16	0.489	3.7	6.7	414.92
07-Jul-17	NT	NT	NT	NT	NT	NT	NM
29-Mar-18	0.022	0.01	0.35	1.3	9.6	13	414.6
07-Sep-18	0.027	0.0052	0.27	1.283	5.2	13	418.69
13-Mar-19	0.016	U (0.002)	0.21	0.726	3.5	8	415.23
29-Jul-19	U (0.15)	U (0.1)	0.2	0.82	5.6	13	416.33
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

**Appendix D
Tables of Historical Monitoring Data**

Monitoring Well MW-11

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
28-Sep-12	0.235	0.594	0.873	5.52	40.3	19.4	416.27
21-Feb-13	0.0177	0.00707	1.61	7.2	41.1	5.72	414.26
13-Aug-13	0.257	0.0152	0.600	1.15	5.45	7.79	416.53
19-Mar-14	0.0933	0.0548	0.915	3.28	22.1	14.1	414.33
31-Jul-14	0.088	0.032	0.510	2.0	10.0	7.0	419.65
03-Mar-15	0.038	0.071	0.600	2.9	17.0	3.0	414.99
27-Jul-15	0.460	0.160	1.50	6.6	34.0	13.0	416.20
23-Feb-16	U (0.001)	U (0.001)	U (0.001)	0.0025	0.13	1.2	415.22
06-Oct-16	U (0.001)	U (0.001)	0.0068	0.0025	0.20	0.77	418.74
16-Mar-17	U (0.2)	0.48	0.89	3.99	14	6.2	414.93
07-Jul-17	0.110	0.260	0.400	1.76	7.10	7.40	416.97
29-Mar-18	U (0.15)	0.71	0.92	6.1	U (90)	8.0	414.62
07-Sep-18	0.068	0.066	0.57	2.29	7.8	3.2	418.71
13-Mar-19	0.1	0.3	0.85	5	19	9.9	415.23
29-Jul-19	U (0.15)	0.16	0.67	4.96	15	9.8	416.28
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

Monitoring Well MW-12

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
28-Sep-12	0.00438	13.9	3.51	19.5	165	2.74	416.30
21-Feb-13	0.012	7.69	2.69	12.8	71.1	3.66	414.30
13-Aug-13	0.0334	7.30	1.00	6.21	22.6	6.05	416.54
24-Sep-13	0.00913	1.65	0.344	1.72	8.35	7.11	NM
19-Nov-13	0.0117	1.83	0.527	2.19	13.5	11.7	415.65
19-Mar-14	0.0128	2.24	0.663	5.34	27.9	11.4	414.40
31-Jul-14	U (0.0005)	0.01	0.003	0.015	0.18	0.5	419.67
03-Mar-15	U (0.0005)	0.01	0.022	0.240	6.8	1.2	416.05
27-Jul-15	0.00057	0.011	0.026	0.190	3.2	0.99	416.21
23-Feb-16	U (0.001)	U (0.001)	U (0.001)	U (0.001)	U (0.05)	0.32	415.28
06-Oct-16	U (0.001)	U (0.001)	U (0.001)	U (0.001)	U (0.05)	0.39	418.79
16-Mar-17	U (0.02)	U (0.02)	0.3	16.2	3.8	1.5	415.00
07-Jul-17	U (0.002)	U (0.04)	0.13	0.38	2.8	1.4	417.04
29-Mar-18	U (0.003)	U (0.002)	U (0.003)	U (0.002)	2.0	0.58	414.69
07-Sep-18	U (0.0004)	U (0.001)	0.019	0.063	1.1	0.56	418.78
13-Mar-19	U (0.003)	U (0.002)	0.01	0.055	1.3	0.78	415.30
30-Jul-19	U (0.003)	U (0.002)	U (0.003)	0.0039	0.26	0.47	416.38
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

Monitoring Well MW-13

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
28-Sep-12	U (0.0005)	0.0316	0.0263	0.609	8.11	0.738	416.31
21-Feb-13	0.00130	U (0.0005)	0.0125	0.167	0.649	1.90	414.31
13-Aug-13	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	0.839	416.55
24-Sep-13	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	0.736	NM
19-Nov-13	U (0.0005)	0.000751	U (0.0005)	0.00168	U (0.05)	0.478	415.48
18-Mar-14	0.00067	0.000846	U (0.0005)	0.00208	0.0593	1.13	414.42
31-Jul-14	U (0.0005)	U (0.001)	U (0.001)	U (0.001)	U (0.05)	U (0.42)	419.67
03-Mar-15	0.02	U (0.0005)	0.028	0.130	0.820	0.62	415.04
27-Jul-15	U (0.0005)	U (0.0005)	0.0014	0.0046	U (0.05)	0.58	416.24
23-Feb-16	U (0.001)	U (0.001)	0.0096	0.073	1.0	2.3	415.31
06-Oct-16	U (0.001)	U (0.001)	U (0.001)	0.0058	U (0.05)	0.65	418.8
16-Mar-17	U (0.002)	U (0.002)	U (0.0053)	0.013	0.150	0.44	415.02
07-Jul-17	U (0.002)	U (0.002)	U (0.003)	U (0.002)	U (1.0)	0.32	417.06
29-Mar-18	U (0.003)	U (0.002)	U (0.003)	U (0.002)	U (1)	0.45	414.70
07-Sep-18	U (0.0004)	U (0.001)	U (0.001)	U (0.002)	U (0.15)	0.43	418.76
13-Mar-19	U (0.003)	U (0.002)	0.0072	0.0094	U (1.3)	0.36	415.34
29-Jul-19	U (0.003)	U (0.002)	0.0085	0.0214	0.45	1.1	416.37
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

**Appendix D
Tables of Historical Monitoring Data**

Monitoring Well MW-16

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
26-Feb-92	0.004	U	U	U	NT	NT	418.29
04-Jun-92	0.003	U	U	0.007	NT	NT	418.41
30-Nov-92	0.51	0.094	0.056	0.15	NT	NT	416.6
24-Feb-93	0.41	0.033	0.036	0.084	NT	NT	418.13
18-Aug-93	0.099	U	U	0.014	NT	NT	420.26
23-Nov-93	0.039	U	U	0.004	NT	NT	419.59
10-Mar-94	0.005	0.001	U	U	NT	NT	418.28
01-Jun-94	0.022	U	0.003	0.003	NT	NT	418.82
08-Sep-94	U	U	U	U	NT	NT	420.22
14-Dec-94	0.012	U	0.001	U	NT	NT	418.22
20-Dec-95	0.055	U	U	0.003	NT	NT	414.53
16-May-96	0.007	U	U	U	NT	NT	415.78
15-Aug-96	U	U	U	U	NT	NT	416.58
09-Dec-96	0.0071	U	U	U	NT	NT	415.43
20-Mar-97	0.0056	U	U	U	NT	NT	414.4
18-Nov-97	0.00134	0.00101	U	0.00135	U	NT	415.22
01-May-98	0.00567	0.00308	0.00193	0.00739	0.089	0.534	414.38
14-Oct-98	U	U	U	0.00222	U	0.281	416.59
27-May-99	0.00203	U	U	U	U	2.64	415.29
05-Nov-99	U	U	U	U	U	13	415.51
17-Apr-00	0.00305	U	U	U	U	3.66	414.15
26-Oct-00	0.00186	0.00261	U	0.003	U	3.98	417.47
30-May-01	0.0007	U	U	U	U	6.65	413.63
13-Dec-01	0.0480	0.302	0.0109	0.0554	0.9	5.29	413.23
01-May-02	NT	NT	NT	NT	NT	NT	NM
19-Aug-02	U (0.0005)	U (0.002)	U (0.002)	0.00896	U (0.09)	U (0.5)	417.85
05-Nov-02	0.000589	U (0.002)	U (0.002)	0.00234	U (0.09)	0.595	417.07
19-Mar-03	0.000531	0.00653	U (0.002)	0.00469	U (0.09)	1.1	416.23
05-Aug-03	NT	NT	NT	NT	NT	NT	NM
07-Nov-03	NT	NT	NT	NT	NT	NT	NM
08-Mar-04	U (0.0005)	0.0288	U (0.0005)	U (0.001)	0.072	2.85	414.95
15-Sep-04	0.0006	0.0143	U (0.0005)	U (0.0015)	0.0521	1.36	416.65
10-Jan-05	0.000648	0.0886	U (0.0005)	0.00221	0.175	1.24	414.70
15-Jul-05	0.0007	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	1.06	417.99
16-Feb-06	U (0.0005)	0.0225	U (0.0005)	U (0.0015)	0.0641	2.09	414.58
27-Jul-06	NT	NT	NT	NT	NT	NT	417.08
27-Jul-06	0.000638	0.0108	U (0.0005)	U (0.0015)	U (0.05)	1.06	417.08
02-Mar-07	U (0.0005)	0.00206	U (0.0005)	U (0.0015)	U (0.05)	1.95	414.25
17-Oct-07	U (0.0025)	0.00318	U (0.0025)	U (0.0075)	U (0.25)	6.53	416.62
05-Jun-08	U (0.0005)	0.0117	U (0.0005)	U (0.0015)	0.0761	4.4	415.88*
29-Sep-08	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	2.69	417.26
25-Feb-09	U (0.0005)	0.0135	U (0.0005)	U (0.0015)	0.0633	3.44	414.49
21-Jul-09	U (0.0005)	U (0.001)	U (0.001)	U (0.003)	U (0.05)	0.564	416.76
17-Mar-10	U (0.001)	U (0.001)	U (0.001)	U (0.002)	U (0.05)	0.586	413.98
15-Sep-10	U (0.0005)	U (0.0005)	0.000796	0.00508	U (0.05)	2.35	416.52
22-Mar-11	U (0.0005)	0.0852	U (0.0005)	U (0.0015)	0.221	2.82	413.98
01-Sep-11	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	2.38	417.42
13-Mar-12	U (0.0005)	0.0845	U (0.0005)	U (0.0015)	0.241	4.18	414.39
23-Jul-12	U (0.0005)	U (0.0010)	U (0.0010)	U (0.0030)	U (0.05)	1.04	417.64
21-Feb-13	U (0.0005)	0.066	U (0.0005)	U (0.0015)	0.182	1.38	414.34
13-Aug-13	U (0.0005)	0.00143	U (0.0005)	U (0.0015)	U (0.05)	3.61	416.56
18-Mar-14	U (0.0005)	0.0694	U (0.0005)	U (0.0015)	0.178	3.17	414.51
31-Jul-14	U (0.0005)	U (0.001)	U (0.001)	U (0.001)	U (0.05)	2.3	419.7
03-Mar-15	0.015	0.039	0.0073	0.130	0.740	1.3	415.2
27-Jul-15	0.0068	0.0016	0.0057	0.071	0.420	0.81	416.22
23-Feb-16	U (0.001)	U (0.001)	U (0.001)	0.0058	U (0.05)	0.40	415.26
06-Oct-16	U (0.001)	U (0.001)	U (0.001)	0.0024	U (0.05)	0.35	418.77
16-Mar-17	U (0.002)	U (0.002)	U (0.003)	U (0.002)	U (0.05)	0.88	414.98
07-Jul-17	U (0.002)	U (0.002)	U (0.003)	U (0.003)	U (1.0)	3.7	417.02
29-Mar-18	NT	NT	NT	NT	NT	NT	NM
07-Sep-18	U (0.0004)	U (0.001)	U (0.001)	U (0.002)	U (0.15)	0.34	418.73
13-Mar-19	U (0.003)	U (0.002)	U (0.003)	U (0.003)	U (1.3)	1.9	415.27
30-Jul-19	U (0.003)	U (0.002)	U (0.003)	0.003	U (0.25)	0.39	416.37
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

Appendix D
Tables of Historical Monitoring Data

Monitoring Well G-1

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
20-Dec-95	1.54	1.26	0.56	2.53	NT	NT	414.48
16-May-96	5.9	3.9	1.8	8.2	NT	NT	415.71
09-Dec-96	2.1	2.1	0.73	3.1	NT	NT	NM
20-Mar-97	2.1	2.5	0.81	4.3	NT	NT	NM
18-Nov-97	4.91	4.21	1.89	8	NT	NT	415.22
01-May-98	4.83	6.67	2.18	10.13	60	5.03	NM
14-Oct-98	5.04	3.81	1.8	7.47	43	4.37	416.35
27-May-99	4.34	5.02	1.94	8.89	43	5.46	415.3
05-Nov-99	2.59	1.74	1.01	3.89	23	3.16	415.48
17-Apr-00	3.12	3.77	1.64	7.14	46	5.9	414.06
26-Oct-00	3.04	0.596	1.15	3.39	23	2.19	417.48
30-May-01	1.59	0.158	0.727	1.87	17	2.61	413.6
13-Dec-01	NT	NT	NT	NT	NT	NT	NM
01-May-02	1.3	0.0371	0.683	1.51	8.6	1.84	414.52
19-Aug-02	0.89	0.0588	0.774	1.465	13.5	1.41	417.79
05-Nov-02	0.0616	U (0.002)	0.00845	0.0666	0.787	U (0.5)	417.06
19-Mar-03	0.00765	U (0.002)	U (0.002)	0.00242	U (0.09)	0.509	416.18**
05-Aug-03	0.11	0.00209	0.101	0.062	1.3	U (0.32)	418.33
07-Nov-03	NT	NT	NT	NT	NT	NT	NM
08-Mar-04	0.00979	U (0.0005)	U (0.0005)	U (0.001)	U (0.05)	U (0.37)	414.92
15-Sep-04	0.00206	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.385)	416.65
10-Jan-05	0.0327	U (0.0005)	0.000623	U (0.0015)	0.134	U (0.388)	414.58
15-Jul-05	0.0626	U (0.0005)	0.0445	0.00354	0.426	U (0.391)	417.94
16-Feb-06	0.00406	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.397)	414.54
27-Jul-06	0.0222	0.000805	0.0104	0.00217	0.163	U (0.397)	417.37
02-Mar-07	0.00159	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.424)	414.59
17-Oct-07	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.403)	416.88
05-Jun-08	0.00614	U (0.0005)	U (0.0005)	0.00379	0.082	0.877	415.81*
29-Sep-08	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.435)	417.21
25-Feb-09	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.417)	414.48
21-Jul-09	0.00601	U (0.001)	U (0.001)	0.00363	0.0954	U (0.397)	416.75
17-Mar-10	U (0.001)	U (0.001)	U (0.001)	U (0.002)	U (0.05)	U (0.431)	414.03
15-Sep-10	U (0.0005)	U (0.0005)	0.00926	0.0619	0.15	U (0.385)	416.56
22-Mar-11	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	0.657	413.97
01-Sep-11	0.0029	0.000601	U (0.0005)	U (0.0015)	0.0719	U (0.410)	417.44
13-Mar-12	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.446)	414.37
23-Jul-12	0.0134	U (0.0010)	U (0.0010)	U (0.0030)	0.263	U (0.397)	417.01
21-Feb-13	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.431)	414.26
13-Aug-13	0.00621	0.000688	U (0.0005)	U (0.0015)	U (0.05)	U (0.413)	416.50
18-Mar-14	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.403)	414.38
31-Jul-14	0.0026	U (0.001)	0.0022	U (0.001)	0.056	0.67	419.66
03-Mar-15	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.45)	415.09
27-Jul-15	U (0.00054)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	0.25	416.21
23-Feb-16	U (0.001)	U (0.001)	U (0.001)	U (0.001)	U (0.05)	U (0.11)	415.25
06-Oct-16	U (0.001)	U (0.001)	U (0.001)	U (0.001)	U (0.05)	0.24	418.73
16-Mar-17	0.0058	U (0.002)	U (0.003)	U (0.002)	U (0.05)	0.60	414.96
07-Jul-17	NT	NT	NT	NT	NT	NT	NM
29-Mar-18	0.0041	U (0.002)	U (0.003)	U (0.002)	U (1)	0.76	414.63
07-Sep-18	0.0024	U (0.001)	U (0.001)	U (0.002)	U (0.15)	0.28	418.62
12-Mar-19	U (0.003)	U (0.002)	U (0.003)	U (0.003)	9.4	0.33	415.23
29-Jul-19	U (0.003)	U (0.002)	U (0.003)	U (0.003)	U (0.25)	0.30	416.29
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

**Appendix D
Tables of Historical Monitoring Data**

Monitoring Well G-2

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
20-Dec-95	0.069	U	U	U	NT	NT	414.49
16-May-96	0.2	U	U	U	NT	NT	415.74
15-Aug-96	0.32	U	U	U	NT	NT	416.57
09-Dec-96	0.14	U	U	U	NT	NT	415.42
20-Mar-97	0.002	U	U	U	NT	NT	414.4
15-Aug-97	0.0253	U	U	U	0.077	NT	415.88
18-Nov-97	U	U	U	0.00169	U	NT	415.2
01-May-98	0.00523	U	U	0.00139	U	0.221	414.35
14-Oct-98	0.0318	U	U	0.00135	0.076	0.248	416.55
27-May-99	U	0.00624	U	0.00326	U	0.345	415.27
05-Nov-99	0.0514	U	U	U	0.13	U	415.47
17-Apr-00	0.00749	U	U	U	U	U	414.12
26-Oct-00	0.0051	0.0032	U	0.00759	U	U	417.44
30-May-01	U	U	U	U	U	U	413.58
13-Dec-01	U	U	U	U	U	U	413.04
01-May-02	U	U	U	U	U	U	414.52
19-Aug-02	0.000596	U (0.002)	U (0.002)	U (0.002)	U (0.09)	U (0.505)	417.79
05-Nov-02	U (0.0005)	U (0.002)	U (0.002)	U (0.002)	U (0.09)	U (0.5)	416.99
19-Mar-03	NT	NT	NT	NT	NT	NT	NM
05-Aug-03	NT	NT	NT	NT	NT	NT	NM
07-Nov-03	NT	NT	NT	NT	NT	NT	NM
08-Mar-04	NT	NT	NT	NT	NT	NT	NM
15-Sep-04	NT	NT	NT	NT	NT	NT	NM
10-Jan-05	NT	NT	NT	NT	NT	NT	NM
15-Jul-05	NT	NT	NT	NT	NT	NT	NM
16-Feb-06	NT	NT	NT	NT	NT	NT	NM
27-Jul-06	NT	NT	NT	NT	NT	NT	NM
02-Mar-07	NT	NT	NT	NT	NT	NT	NM
17-Oct-07	NT	NT	NT	NT	NT	NT	NM
05-Jun-08	NT	NT	NT	NT	NT	NT	NM
29-Sep-08	NT	NT	NT	NT	NT	NT	NM
25-Feb-09	NT	NT	NT	NT	NT	NT	NM
21-Jul-09	NT	NT	NT	NT	NT	NT	NM
17-Mar-10	NT	NT	NT	NT	NT	NT	NM
15-Sep-10	NT	NT	NT	NT	NT	NT	NM
22-Mar-11	NT	NT	NT	NT	NT	NT	NM
01-Sep-11	NT	NT	NT	NT	NT	NT	NM
13-Mar-12	NT	NT	NT	NT	NT	NT	NM
23-Jul-12	NT	NT	NT	NT	NT	NT	NM
21-Feb-13	NT	NT	NT	NT	NT	NT	NM
13-Aug-13	NT	NT	NT	NT	NT	NT	NM
18-Mar-14	NT	NT	NT	NT	NT	NT	NM
31-Jul-14	NT	NT	NT	NT	NT	NT	NM
03-Mar-15	NT	NT	NT	NT	NT	NT	NM
27-Jul-15	NT	NT	NT	NT	NT	NT	NM
23-Feb-16	NT	NT	NT	NT	NT	NT	NM
06-Oct-16	NT	NT	NT	NT	NT	NT	NM
16-Mar-17	NT	NT	NT	NT	NT	NT	NM
07-Jul-17	NT	NT	NT	NT	NT	NT	NM
29-Mar-18	NT	NT	NT	NT	NT	NT	NM
07-Sep-18	NT	NT	NT	NT	NT	NT	NM
13-Mar-19	NT	NT	NT	NT	NT	NT	NM
29-Jul-19	NT	NT	NT	NT	NT	NT	NM
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

**Appendix D
Tables of Historical Monitoring Data**

Monitoring Well G-3

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
01-Apr-99	U	0.001	U	U	U	U	NT
27-May-99	U	U	U	U	U	0.413	415.18
05-Nov-99	U	U	U	U	U	0.883	415.41
17-Apr-00	U	U	U	U	U	U	414.07
26-Oct-00	U	U	U	U	U	U	418.18
30-May-01	0.00029	U	0.000718	0.001855	U	U	413.49
13-Dec-01	0.00064	U	U	U	U	U	413.07
01-May-02	NT	NT	NT	NT	NT	NT	NM
19-Aug-02	U (0.0005)	U (0.002)	U (0.002)	0.00241	U (0.09)	U (0.505)	417.74
05-Nov-02	NT	NT	NT	NT	NT	NT	NM
19-Mar-03	NT	NT	NT	NT	NT	NT	NM
05-Aug-03	Monitoring Well Destroyed						
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

Monitoring Well G-4

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
01-Apr-99	U	U	U	U	U	U	NM
27-May-99	U	U	U	U	U	U	415.26
05-Nov-99	U	U	U	U	U	U	415.48
17-Apr-00	U	U	U	U	U	U	414.04
26-Oct-00	U	U	U	U	U	U	418.25
30-May-01	U	U	U	0.001	U	U	413.59
13-Dec-01	U	U	U	U	U	U	413.19
01-May-02	NT	NT	NT	NT	NT	NT	NM
19-Aug-02	0.000545	U (0.002)	U (0.002)	0.00366	U (0.09)	U (0.5)	418.13
05-Nov-02	NT	NT	NT	NT	NT	NT	NM
19-Mar-03	NT	NT	NT	NT	NT	NT	NM
05-Aug-03	NT	NT	NT	NT	NT	NT	NM
07-Nov-03	NT	NT	NT	NT	NT	NT	NM
08-Mar-04	NT	NT	NT	NT	NT	NT	NM
15-Sep-04	NT	NT	NT	NT	NT	NT	NM
10-Jan-05	NT	NT	NT	NT	NT	NT	NM
15-Jul-05	NT	NT	NT	NT	NT	NT	NM
16-Feb-06	NT	NT	NT	NT	NT	NT	NM
27-Jul-06	NT	NT	NT	NT	NT	NT	NM
02-Mar-07	NT	NT	NT	NT	NT	NT	NM
17-Oct-07	NT	NT	NT	NT	NT	NT	NM
05-Jun-08	NT	NT	NT	NT	NT	NT	NM
29-Sep-08	NT	NT	NT	NT	NT	NT	NM
25-Feb-09	NT	NT	NT	NT	NT	NT	NM
21-Jul-09	NT	NT	NT	NT	NT	NT	NM
17-Mar-10	NT	NT	NT	NT	NT	NT	NM
15-Sep-10	NT	NT	NT	NT	NT	NT	NM
22-Mar-11	NT	NT	NT	NT	NT	NT	NM
01-Sep-11	NT	NT	NT	NT	NT	NT	NM
13-Mar-12	NT	NT	NT	NT	NT	NT	NM
23-Jul-12	NT	NT	NT	NT	NT	NT	NM
21-Feb-13	NT	NT	NT	NT	NT	NT	NM
13-Aug-13	NT	NT	NT	NT	NT	NT	NM
18-Mar-14	NT	NT	NT	NT	NT	NT	NM
31-Jul-14	NT	NT	NT	NT	NT	NT	NM
18-Mar-14	NT	NT	NT	NT	NT	NT	NM
27-Jul-15	NT	NT	NT	NT	NT	NT	NM
23-Feb-16	NT	NT	NT	NT	NT	NT	NM
06-Oct-16	NT	NT	NT	NT	NT	NT	NM
16-Mar-17	NT	NT	NT	NT	NT	NT	NM
07-Jul-17	NT	NT	NT	NT	NT	NT	NM
29-Mar-18	NT	NT	NT	NT	NT	NT	NM
07-Sep-18	NT	NT	NT	NT	NT	NT	NM
13-Mar-19	NT	NT	NT	NT	NT	NT	NM
29-Jul-19	NT	NT	NT	NT	NT	NT	NM
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

**Appendix D
Tables of Historical Monitoring Data**

Monitoring Well G-5

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
30-May-01	12.4	11.5	2.1	9.9	107	6.47	412.59
13-Dec-01	6.21	8.71	1.71	12.74	72.8	3.05	413.22
01-May-02	11.9	7.7	1.95	15.1	83.4	6.75	414.55
19-Aug-02	12.9	7.31	2	8.53	86.6	7.85	417.8
05-Nov-02	5.7	4.37	1.38	6.7	41.9	7.17	417.05
19-Mar-03	2.46	1.75	0.741	5.25	30	7.55	416.19
05-Aug-03	5.07	2.99	0.943	6.41	47.5	5.78	418.76
07-Nov-03	NT	NT	NT	NT	NT	NT	NM
08-Mar-04	0.00254	0.00495	0.00104	0.0327	0.126	3.45	414.93
15-Sep-04	0.00577	0.00126	0.000506	0.00467	0.061	1.84	416.64
10-Jan-05	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	1.22	414.80
15-Jul-05	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	1.19	417.83
16-Feb-06	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	1.08	414.48
27-Jul-06	NT	NT	NT	NT	NT	NT	417.09
27-Jul-06	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	0.865	417.09
02-Mar-07	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	1.03	414.24
17-Oct-07	0.000837	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	3.44	416.22
05-Jun-08	U (0.0005)	U (0.0005)	0.00452	0.0316	0.112	1.1	415.73
29-Sep-08	U (0.0005)	U (0.0005)	0.00458	0.0103	0.0794	1.66	417.20
25-Feb-09	0.00068	0.00053	0.0579	0.174	2.53	1.3	414.45
21-Jul-09	0.0018	U (0.0010)	U (0.001)	U (0.003)	U (0.05)	1.27	416.73
17-Mar-10	0.013	0.0014	0.19	0.37	4.4	0.961	413.98
15-Sep-10	0.0849	0.000886	0.00279	0.0149	0.287	1.10	416.59
22-Mar-11	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	1.04	413.96
01-Sep-11	0.00331	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	0.898	417.44
13-Mar-12	0.0307	0.00346	0.113	0.23	3.63	1.02	414.37
23-Jul-12	0.00199	U (0.0010)	U (0.0010)	U (0.0030)	U (0.05)	0.57	416.90
21-Feb-13	NT	NT	NT	NT	NT	NT	NM
13-Aug-13	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	0.884	416.50
18-Mar-14	0.025	0.00612	0.0739	0.161	2.44	0.778	414.36
31-Jul-14	0.49	0.0064	0.071	0.21	2.2	1.40	419.24
03-Mar-15	U (0.0005)	U (0.0005)	U (0.0005)	0.0015	U (0.05)	0.430	414.58
27-Jul-15	0.92	0.57	0.59	1.1	10	1.40	416.18
23-Feb-16	U (0.001)	U (0.001)	U (0.001)	U (0.001)	U (0.05)	0.21	415.19
06-Oct-16	U (0.001)	U (0.001)	U (0.001)	U (0.001)	U (0.05)	0.95	418.75
16-Mar-17	0.27	0.36	0.56	1.91	7.9	1.3	414.93
07-Jul-17	NT	NT	NT	NT	NT	NT	416.96
29-Mar-18	0.38	0.3	0.72	2.27	14	1.6	414.68
07-Sep-18	0.61	0.91	0.51	1.92	7.4	2.4	418.68
13-Mar-19	0.11	0.011	0.39	1.05	5.8	1.2	415.24
30-Jul-19	U (0.15)	U (0.1)	0.18	0.71	2.9	1.2	416.31
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

**Appendix D
Tables of Historical Monitoring Data**

Monitoring Well G-6

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
30-May-01	U	U	U	U	U	U	413.54
13-Dec-01	U	U	U	U	U	U	413.26
01-May-02	NT	NT	NT	NT	NT	NT	NM
19-Aug-02	U (0.0005)	U (0.002)	U (0.002)	U (0.002)	U (0.09)	U (0.505)	417.93
05-Nov-02	NT	NT	NT	NT	NT	NT	NM
19-Mar-03	NT	NT	NT	NT	NT	NT	NM
05-Aug-03	NT	NT	NT	NT	NT	NT	NM
07-Nov-03	NT	NT	NT	NT	NT	NT	NM
08-Mar-04	NT	NT	NT	NT	NT	NT	NM
15-Sep-04	NT	NT	NT	NT	NT	NT	NM
10-Jan-05	NT	NT	NT	NT	NT	NT	NM
15-Jul-05	NT	NT	NT	NT	NT	NT	NM
16-Feb-06	NT	NT	NT	NT	NT	NT	NM
27-Jul-06	NT	NT	NT	NT	NT	NT	NM
02-Mar-07	NT	NT	NT	NT	NT	NT	NM
17-Oct-07	NT	NT	NT	NT	NT	NT	NM
05-Jun-08	NT	NT	NT	NT	NT	NT	NM
29-Sep-08	NT	NT	NT	NT	NT	NT	NM
25-Feb-09	NT	NT	NT	NT	NT	NT	NM
21-Jul-09	NT	NT	NT	NT	NT	NT	NM
17-Mar-10	NT	NT	NT	NT	NT	NT	NM
15-Sep-10	NT	NT	NT	NT	NT	NT	NM
22-Mar-11	NT	NT	NT	NT	NT	NT	NM
01-Sep-11	NT	NT	NT	NT	NT	NT	NM
13-Mar-12	NT	NT	NT	NT	NT	NT	NM
23-Jul-12	NT	NT	NT	NT	NT	NT	NM
21-Feb-13	NT	NT	NT	NT	NT	NT	NM
13-Aug-13	NT	NT	NT	NT	NT	NT	NM
31-Jul-14	NT	NT	NT	NT	NT	NT	NM
18-Mar-14	NT	NT	NT	NT	NT	NT	NM
27-Jul-15	NT	NT	NT	NT	NT	NT	NM
23-Feb-16	NT	NT	NT	NT	NT	NT	NM
06-Oct-16	NT	NT	NT	NT	NT	NT	NM
16-Mar-17	NT	NT	NT	NT	NT	NT	NM
07-Jul-17	NT	NT	NT	NT	NT	NT	NM
29-Mar-18	NT	NT	NT	NT	NT	NT	NM
07-Sep-18	NT	NT	NT	NT	NT	NT	NM
13-Mar-19	NT	NT	NT	NT	NT	NT	NM
29-Jul-19	NT	NT	NT	NT	NT	NT	NM
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

**Appendix D
Tables of Historical Monitoring Data**

Monitoring Well G-9

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
07-Nov-03	U (0.0005)	U (0.0005)	U (0.0005)	U (0.001)	U (0.08)	U (0.32)	NM
08-Mar-04	U (0.0005)	U (0.0005)	U (0.0005)	U (0.001)	U (0.05)	U (0.37)	414.96
15-Sep-04	U (0.0005)	U (0.0005)	U (0.0005)	U (0.0015)	U (0.05)	U (0.385)	416.62
10-Jan-05	NT	NT	NT	NT	NT	NT	NM
15-Jul-05	NT	NT	NT	NT	NT	NT	NM
16-Feb-06	NT	NT	NT	NT	NT	NT	NM
27-Jul-06	NT	NT	NT	NT	NT	NT	NM
02-Mar-07	NT	NT	NT	NT	NT	NT	NM
17-Oct-07	NT	NT	NT	NT	NT	NT	NM
05-Jun-08	NT	NT	NT	NT	NT	NT	NM
29-Sep-08	NT	NT	NT	NT	NT	NT	NM
25-Feb-09	NT	NT	NT	NT	NT	NT	NM
21-Jul-09	NT	NT	NT	NT	NT	NT	NM
17-Mar-10	NT	NT	NT	NT	NT	NT	NM
15-Sep-10	NT	NT	NT	NT	NT	NT	NM
22-Mar-11	NT	NT	NT	NT	NT	NT	NM
01-Sep-11	NT	NT	NT	NT	NT	NT	NM
13-Mar-12	NT	NT	NT	NT	NT	NT	NM
23-Jul-12	NT	NT	NT	NT	NT	NT	NM
21-Feb-13	NT	NT	NT	NT	NT	NT	NM
13-Aug-13	NT	NT	NT	NT	NT	NT	NM
18-Mar-14	NT	NT	NT	NT	NT	NT	NM
31-Jul-14	NT	NT	NT	NT	NT	NT	NM
18-Mar-14	NT	NT	NT	NT	NT	NT	NM
27-Jul-15	NT	NT	NT	NT	NT	NT	NM
23-Feb-16	NT	NT	NT	NT	NT	NT	NM
06-Oct-16	NT	NT	NT	NT	NT	NT	NM
16-Mar-17	NT	NT	NT	NT	NT	NT	NM
07-Jul-17	NT	NT	NT	NT	NT	NT	NM
29-Mar-18	NT	NT	NT	NT	NT	NT	NM
07-Sep-18	NT	NT	NT	NT	NT	NT	NM
13-Mar-19	NT	NT	NT	NT	NT	NT	NM
29-Jul-19	NT	NT	NT	NT	NT	NT	NM
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

Remediation Well RM-1

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
10-Oct-12	0.0425	15.4	3.08	16.7	175	10.8	416.29
21-Feb-13	0.0251	7.25	2.14	11.3	69.9	10.7	414.27
13-Aug-13	0.0432	12.2	1.80	10.4	39.9	9.27	416.55
24-Sep-13	0.0246	6.09	0.942	6.83	27.2	12.6	NM
19-Nov-13	0.0213	2.83	0.593	5.09	14.7	17.5	415.53
19-Mar-14	0.0268	0.201	0.568	2.55	11.9	13.2	414.37
31-Jul-14	U (0.0005)	0.15	0.084	0.51	1.8	1.7	419.58
03-Mar-15	0.055	0.68	0.096	1.6	8.4	1.5	402.63
27-Jul-15	0.084	0.770	0.360	2.9	12.0	5.2	
23-Feb-16	U (0.001)	0.93	0.2	1.80	9.8	1.3	414.75
06-Oct-16	0.0067	0.33	U (0.001)	0.71	3.5	0.74	417.91
16-Mar-17	NT	NT	NT	NT	NT	NT	NM
07-Jul-17	0.0087	0.69	0.45	2.73	12	3.3	417.04
06-Sep-17	0.0050	0.74	0.270	2.000	7.6	0.92	NM
07-Jul-17	NT	NT	NT	NT	NT	NT	NM
29-Mar-18	NT	NT	NT	NT	NT	NT	NM
07-Sep-18	0.00072	0.23	0.2	2.06	4.7	1.2	413.04
13-Mar-19	NT	NT	NT	NT	NT	NT	415.16
30-Jul-19	U (0.15)	0.4	0.23	1.55	6.1	1.1	415.38
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

Appendix D
Tables of Historical Monitoring Data

Monitoring Well MW17-1

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
29-Mar-18	2.9	6.6	1.2	8.5	U (100)	6	NM
07-Sep-18	0.18	26	3.3	18	80	4.8	NM
14-Mar-19	3	7.4	1.7	7.4	47	3.3	415.28
30-Jul-19	0.36	9.2	3.4	14.9	88	3.9	416.35
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

Monitoring Well MW17-2

Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylenes (mg/L)	GRO (mg/L)	DRO (mg/L)	GW Elev (feet)
29-Mar-18	U (0.30)	2.7	U (0.30)	2.11	22	12	NM
07-Sep-18	0.18	3.2	0.66	4.5	17	15	NM
14-Mar-19	0.047	0.94	0.094	1.49	4.2	10	415.28
29-Jul-19	U (0.15)	1.8	0.5	3.9	16	8.5	416.35
GCLs	0.0046	1.1	0.015	0.19	2.2	1.5	NA

Key:

* - Elevation may be biased due to presence of ice plug.

DRO - diesel range organics

GCLs - ground water cleanup levels

GRO - gasoline range organics

mg/L - milligram per liter

NA - not analyzed

NT - not tested

NM - not measured

U - Undetected above practical quantitation limit.

Bold, shade indicates concentration exceeds the GCL or, if not detected, the practical quantitation limit exceeds the GCL