



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

December 7, 2021

Stantec Project Number: 185705376

Danny Monson, Advanced HES Professional
ES&S-Waste and Remediation
Marathon Petroleum Company, LP
301 E. Ocean Blvd., Suite 1600
Long Beach, CA 90802

**Reference: Corrective Action Plan for 2022
Former Tesoro 2Go Mart 101 and IFC (Speedway Store 5313)**
3569 South Cushman Street, Fairbanks, Alaska
ADEC Facility ID #2960; ADEC File #100.26.022

Dear Mr. Monson:

This letter presents the 2022 (calendar year) Corrective Action Plan (CAP) for the monitoring of contamination at the above referenced site. The 2022 CAP is submitted on behalf of Tesoro Refining & Marketing Company (Tesoro) for Speedway Store #5313 (formerly known as Tesoro 2Go Mart 101) and IFC.

This 2022 CAP will be presented at the annual work session with the Alaska Department of Environmental Conservation (ADEC), Marathon Oil Company (MPC) and Stantec Consulting Services Inc. (Stantec). The work session is scheduled for December 7, 2021, and will be presented by Stantec to Pete Campbell, ADEC representative, in person at the Stantec Anchorage Alaska office or via Microsoft Teams app.

Attached to this letter are the project site plans and analytical test results for samples collected during the completion of the 2021 CAP tasks. The site plans, sampling test results and additional site documents for the subject site will be included in the presentation of the December 7 work session.

The following sections provide a summary of the work plan tasks that were completed under the current 2021 CAP and the proposed work plan tasks for the 2022 CAP.

2021 Work Plan Tasks

- Task 1 –Groundwater Monitoring
This task was completed in accordance with the approved 2021 CAP.
- Task 2 – O&M Remediation System
This task was completed in accordance with the approved 2021 CAP.

- Task 3 – Install additional 100-foot long drainfield to handle increased flow from wells CRW-2 and WRW 2020
This task was completed in accordance with the approved 2021 CAP.

Proposed Work Plan Tasks for 2022

- Task 1 –Groundwater Monitoring
Annual monitoring of the groundwater wells and the remediation free product recovery well will be conducted. Sampling locations and analyses for the groundwater monitoring wells and free product recovery wells are listed on the 2022 Work Plan Schedule below.

Work Plan Task		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Task 1	Monitoring Wells: MW-3, MW-4, MW-8, MW-14, MW-17, MW-19-1, MW-19-2, and Aeration Treatment Tank (influent from wells CRW-2 and WRW 2020 and effluent discharged to the drainfield)			V, G, D, P & I	
Task 2	O&M Free Product Recovery Systems in wells CRW-2 and WRW 2020. Includes pumping out sludge in Aeration Treatment Tank and Off-site treatment and disposal of sludge.	✓	✓	✓	✓
Task 3	The 40-cubic yard stockpile of contaminated soil generated from the construction of the new 2021 drainfield will be hauled to an ADEC approved off-site treatment facility for treatment and disposal.		✓	✓	
Task 4	Drill 6 Confirmation Soil Borings on IFC property and Speedway Store 5313.		✓	✓	
Task 5	Decommission 5 Abandoned Monitoring Wells.		✓	✓	

Key:

- AK – Alaska Test Method
- D – Diesel range organics by AK102.
- E – Drinking water parameters by EPA Method 524.1.
- G – Gasoline range organics by AK101.
- I – Intrinsic indicators consisting of dissolved oxygen, specific conductance, oxygen-reduction potential, pH, and temperature.

O&M – Operation and Maintenance

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

S – Sodium analyzed by Metals (ICP) Method 6010C.

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

- Task 2 – O&M Remediation System

Perform quarterly maintenance on the free product recovery wells CRW-2 and WRW 2020. The O&M work will include quarterly maintenance on the free product recovery pumps, the groundwater drawdown pump, the aeration blower, the iMonnit sensors and extraction of free product with a peristaltic pump as necessary.

The submersible drawdown pumps are operated on a continuous basis (24 hours per day). The groundwater pumped with the two remediation wells' drawdown submersible pumps are operated on a continuous basis (24 hour per day). The drawdown water from both wells discharges to the on-site 1,500 gallon, 2 compartment aeration tank that flows into the drainfield Infiltrator[®] system for additional treatment. The accumulated iron precipitated sludge contained in the Aeration Treatment Tank will be removed/pumped out and hauled to an ADEC approved off-site thermal treatment facility for treatment and disposal.

The free product recovered from remediation wells CRW-2 and WRW 2020 will be collected and temporarily stored on-site in a double-walled drum that is equipped with an over-fill shut-off device. The volume of the stored free product will be measured and properly disposed of at an ADEC approved off-site treatment facility.

- Task 3 – Transport and Treat Off-site 40-Cubic Yard Stockpile of Contaminated Soil

- The 40-cubic yard stockpile of contaminated soil generated from the construction of the new 2021 drainfield will be hauled to an ADEC approved off-site treatment facility for treatment and disposal. Stantec will submit a request to ADEC to approve the transport and treatment of the soil stockpile.

- Task 4 – Drill 6 Confirmation Soil Borings on IFC property and Speedway Store 5313

This task consists of the drilling 6 soil confirmation borings (CSBs) located at strategic locations on IFC property and Speedway Store 5313. These CSBs will be used to assess the sites for the extent and characteristics of residual petroleum contamination, if any, in the subsurface soil and groundwater table. Stantec will prepare a work plan for the installation and sampling of the proposed CSBs and submit it to ADEC for review and approval.

- Task 5 – Decommission 5 Abandoned Monitoring Wells.

This task consists of decommissioning 5 abandoned monitoring wells that includes the following wells: MW G-1, MW-24, MW-26, MW-29 and MW-D2. These wells are no longer used for the assessment of the subject site. A site plan showing the locations of the wells will be presented at the December 7 work plan meeting. Stantec will prepare a work plan for the decommissioning of the monitoring wells and submit it to ADEC for review and approval.

The Corrective Action Work Plan for the year 2022 will be implemented by Stantec on behalf of Tesoro. 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 water removed from each well will be examined for petroleum odor, sheen, and any other unique physical features.
- Water 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 2022 Work Plan Schedule shown above.

If you have any questions or need additional information concerning this 2022 Corrective Action Work Plan, please contact us at (907) 248-8883.

Regards,

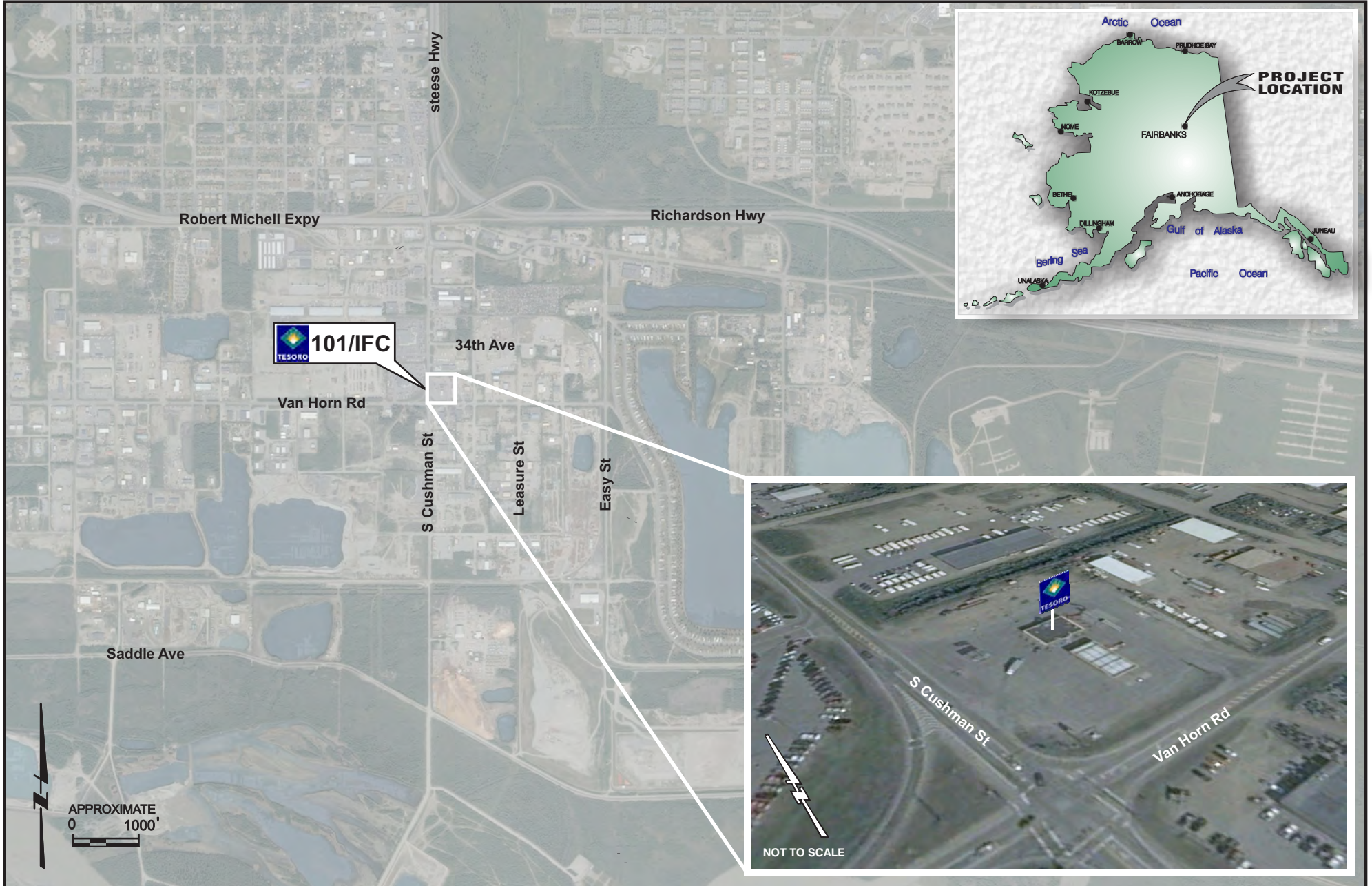
STANTEC CONSULTING SERVICES INC.

Michael A. Zidek, PMP
Project Manager

Bob Gilfilian, P.E.
Project Technical Lead

Attachments: Location and Vicinity Map and Site Plan

Site Plan with Groundwater Analytical Results
Analytical Test Results (historical tables)



MW-30

Benzene	0.00122 mg/L
Toluene	(0.001) mg/L
Ethylbenzene	(0.001) mg/L
Xylenes	(0.003) mg/L
GRO	0.0345 mg/L
DRO	0.415 mg/L
1,2,4-Trimethylbenzene	(0.001) mg/L
1,3,5-Trimethylbenzene	(0.001) mg/L
Naphthalene	0.000182 mg/L
Sodium	NA
Gw Elev.	429.46 feet

MW-17

Benzene	0.0328 mg/L
Toluene	0.00740 mg/L
Ethylbenzene	0.213 mg/L
Xylenes	1.21 mg/L
GRO	3.45 mg/L
DRO	3.91 mg/L
1,2,4-Trimethylbenzene	0.182 mg/L
1,3,5-Trimethylbenzene	0.0481 mg/L
Naphthalene	0.0929 mg/L
Sodium	NA
Gw Elev.	429.57 feet

MW-4

Benzene	(0.001) mg/L
Toluene	0.00782 mg/L
Ethylbenzene	(0.001) mg/L
Xylenes	(0.003) mg/L
GRO	0.0498 mg/L
DRO	0.834 mg/L
1,2,4-Trimethylbenzene	(0.001) mg/L
1,3,5-Trimethylbenzene	(0.001) mg/L
Naphthalene	(0.000790) mg/L
Sodium	NA
Gw Elev.	429.58 feet

WRW-2020

Benzene	0.00183 mg/L
Toluene	0.000567 mg/L
Ethylbenzene	0.0433 mg/L
Xylenes	0.243 mg/L
GRO	0.929 mg/L
DRO	0.973 mg/L
1,2,4-Trimethylbenzene	0.0723 mg/L
1,3,5-Trimethylbenzene	0.0238 mg/L
Naphthalene	0.00260 mg/L
Sodium	NA
Gw Elev.	429.46 feet

CRW-2

Benzene	0.00287 mg/L
Toluene	0.00136 mg/L
Ethylbenzene	0.0181 mg/L
Xylenes	0.133 mg/L
GRO	0.548 mg/L
DRO	0.627 mg/L
1,2,4-Trimethylbenzene	0.0295 mg/L
1,3,5-Trimethylbenzene	0.0100 mg/L
Naphthalene	0.000375 mg/L
Sodium	NA
Gw Elev.	426.03 feet

MW-8

Benzene	0.000740 mg/L
Toluene	0.00166 mg/L
Ethylbenzene	0.00502 mg/L
Xylenes	0.0411 mg/L
GRO	0.462 mg/L
DRO	20.5 mg/L
1,2,4-Trimethylbenzene	0.0221 mg/L
1,3,5-Trimethylbenzene	0.0116 mg/L
Naphthalene	0.00258 mg/L
Sodium	NA
Gw Elev.	429.66 feet

MW-14

Benzene	0.0251 mg/L
Toluene	0.0151 mg/L
Ethylbenzene	0.687 mg/L
Xylenes	4.45 mg/L
GRO	11.9 mg/L
DRO	3.17 mg/L
1,2,4-Trimethylbenzene	0.568 mg/L
1,3,5-Trimethylbenzene	0.124 mg/L
Naphthalene	0.381 mg/L
Sodium	NA
Gw Elev.	429.59 feet

MW19-2

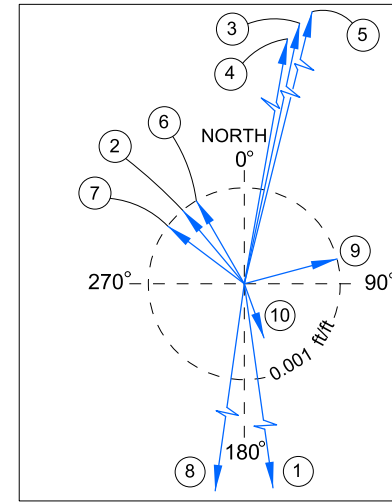
Gw Elev.	429.58 feet
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MW19-1

Benzene	0.0659 mg/L
Toluene	0.105 mg/L
Ethylbenzene	0.328 mg/L
Xylenes	2.36 mg/L
GRO	7.02 mg/L
DRO	29.6 mg/L
1,2,4-Trimethylbenzene	0.470 mg/L
1,3,5-Trimethylbenzene	0.149 mg/L
Naphthalene	0.254 mg/L
Sodium	NA
Gw Elev.	429.61 feet

MW19-1 (Duplicate)

Benzene	0.0670 mg/L
Toluene	0.110 mg/L
Ethylbenzene	0.361 mg/L
Xylenes	2.50 mg/L
GRO	7.61 mg/L
DRO	24.5 mg/L
1,2,4-Trimethylbenzene	0.515 mg/L
1,3,5-Trimethylbenzene	0.167 mg/L
Naphthalene	0.263 mg/L
Sodium	NA



GROUNDWATER FLOW SUMMARY

DATE	BEARING	GRADIENT (ft/ft)
1 MAY 24, 2012	172°	0.036
2 SEP. 24, 2013	320°	0.001
3 MAY 7, 2014	12°	0.037
4 MAY 26, 2015	10°	0.035
5 MAY 12, 2016	14°	0.119
6 JULY 18, 2017	330°	0.001
7 SEP. 7, 2018	307°	0.001
8 OCT.23, 2019	188°	0.045
9 OCT.22, 2020	75°	0.001
10 SEP. 27, 2021	160°	0.0006

MW-3

Benzene	0.0136 mg/L
Toluene	0.0112 mg/L
Ethylbenzene	0.0164 mg/L
Xylenes	0.188 mg/L
GRO	1.19 mg/L
DRO	3.81 mg/L
1,2,4-Trimethylbenzene	0.0602 mg/L
1,3,5-Trimethylbenzene	0.0306 mg/L
Naphthalene	0.0314 mg/L
Sodium	NA
Gw Elev.	430.25 feet

Drainfield

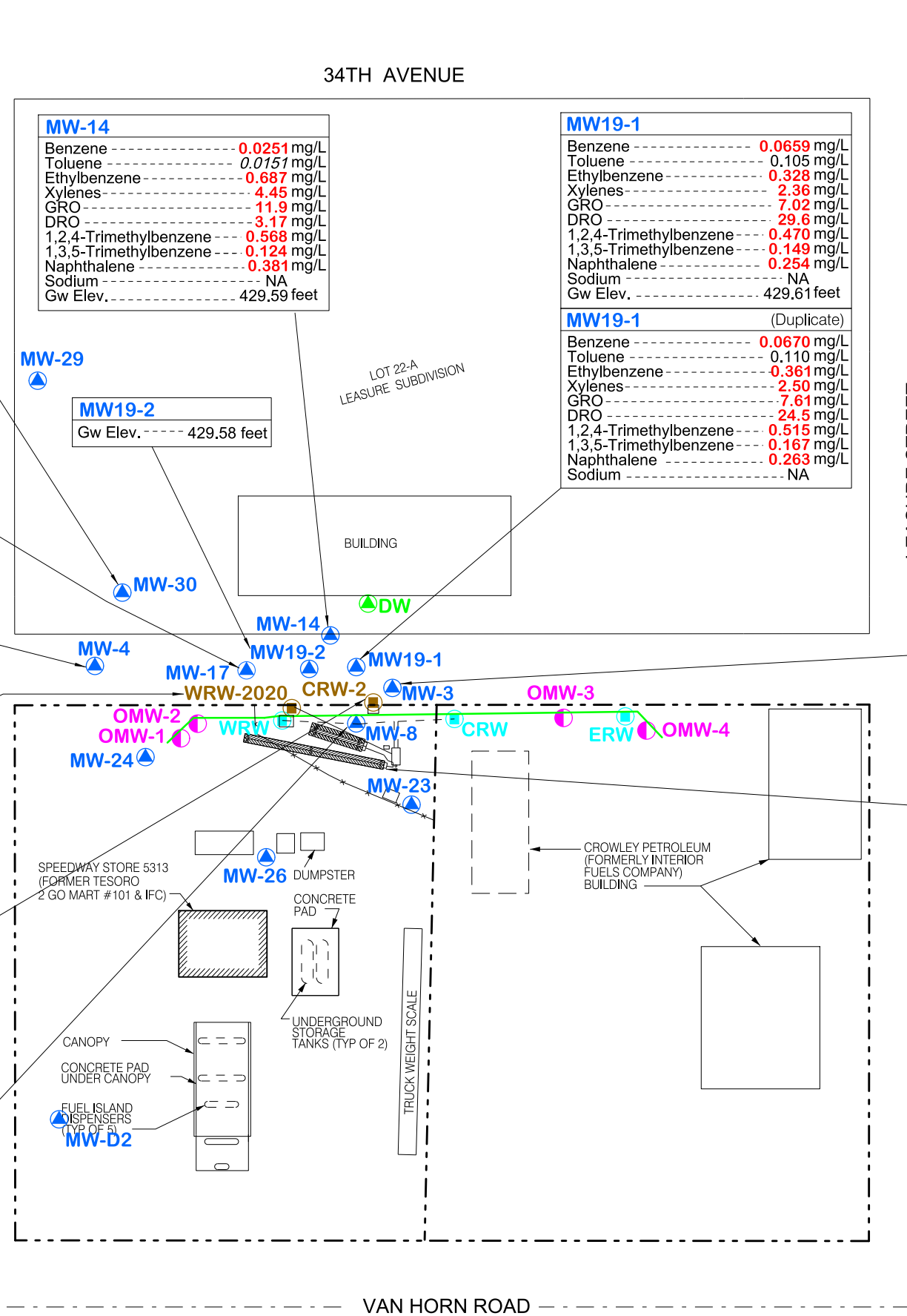
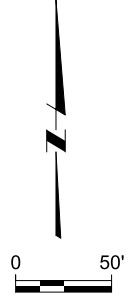
Benzene	0.000175 mg/L
Toluene	(0.001) mg/L
Ethylbenzene	0.00214 mg/L
Xylenes	0.0165 mg/L
GRO	0.0889 mg/L
DRO	0.700 mg/L
1,2,4-Trimethylbenzene	0.00414 mg/L
1,3,5-Trimethylbenzene	0.00133 mg/L
Naphthalene	(0.000250) mg/L
Sodium	9.67 mg/L
Gw Elev.	436.16 feet

Drainfield (Duplicate)

Benzene	0.000160 mg/L
Toluene	(0.001) mg/L
Ethylbenzene	0.00224 mg/L
Xylenes	0.0173 mg/L
GRO	0.0817 mg/L
DRO	0.674 mg/L
1,2,4-Trimethylbenzene	0.00401 mg/L
1,3,5-Trimethylbenzene	0.00125 mg/L
Naphthalene	(0.000250) mg/L
Sodium	9.62 mg/L

- LEGEND:**
- PROPERTY LINE
 - INTERCEPTOR TRENCH
 - ROAD CENTERLINE
 - FENCE
 - GROUNDWATER CONTOUR
 - OBSERVATION WELL
 - 10" RECOVERY WELL
 - 6" RECOVERY WELL
 - PRIVATE INDUSTRIAL WELL
 - MONITORING WELL
 - CRW CENTRAL RECOVERY WELL
 - DRO DIESEL RANGE ORGANICS
 - DW DRINKING WATER WELL
 - EFF EFFLUENT SAMPLING WELL
 - ERW EAST RECOVERY WELL
 - GRO GASOLINE RANGE ORGANICS
 - Gw Elev. GROUNDWATER ELEVATION IN FEET
 - MW MONITORING WELL
 - NA NOT APPLICABLE
 - mg/L MILLIGRAMS PER LITER
 - OMW OBSERVATION WELL
 - WRW WEST RECOVERY WELL

- NOTES:**
- RESULTS ARE FOR SAMPLES COLLECTED ON SEPTEMBER 27, 2021.
 - BOLD / RED RESULTS INDICATE CONCENTRATION EXCEEDS THE CLEANUP LEVEL FOR THE SITE.
 - ITALICS RESULTS IDENTIFICATION OF THE ANALYTE IS ACCEPTABLE; THE REPORTED VALUE IS AN ESTIMATE.



Appendix D Tables of Historical Groundwater Monitoring Data

Monitoring Well MW-1

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
04-Nov-91	0.016	NS	NS	431.01	430.91	430.99
29-Jan-92	NS	NS	NS	432.03	430.34	431.69
12-Apr-95	NS	NS	NS	432.17	426.20	430.98
19-Jul-95	0.278	NS	NS	NA	432.84	NA
22-May-96	NS	NS	NS	NA	NM	NA
06-Nov-96	NS	NS	NS	NA	NM	NA
29-Apr-98	NS	NS	NS	NA	NM	NA
13-Oct-98	0.149	10	47.8	NA	431.47	NA
28-Jan-00	NS	NS	NS	429.52	427.88	429.19
24-Apr-02	NS	NS	NS	NA	NM	NA
20-Aug-02	Well Destroyed					
GCL	0.0046	2.2	1.5	NA	NA	NA

Not sampled Jan. 29, 1992- April 12, 1995
Not Sampled Jan. 28, 2000 to April 24, 2002

Monitoring Well MW-2

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
04-Nov-91	U	NS	NS	NA	431.31	NA
17-Nov-97	U	U	NS	NA	431.01	NA
29-Apr-98	U	U	0.203	NA	428.85	NA
13-Oct-98	U	U	0.278	NA	431.18	NA
27-Jul-00	U	U	0.314	NA	431.71	NA
08-Mar-01	NS	NS	NS	NA	431.08	NA
04-Jun-01	U	U	U	NA	431.32	NA
30-Nov-01	NS	NS	NS	NA	NM	NA
04-Jun-08	NS	NS	NS	NA	NM	NA
13-May-09	U (0.0005)	U (0.05)	U (0.467)	NA	NM	NA
15-Jun-10	NS	NS	NS	NA	NM	NA
04-Oct-11	Well Decommissioned					
GCL	0.0046	2.2	1.5	NA	NA	NA

Analytes undetected/Not Sampled Nov. 04, 1991 to Nov. 17, 1997
Not activity involving well Nov. 30, 2001- June 04, 2008

Appendix D
Tables of Historical Groundwater Monitoring Data
Monitoring Well MW-3

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
6-Nov-91	NS	NS	NS	431.53	428.98	431.02
12-Mar-95	NS	NS	NS	430.86	427.70	430.23
13-Apr-95	0.090	NS	NS	432.05	429.12	431.46
19-Jul-95	NS	NS	NS	432.76	430.53	432.31
25-Oct-95	0.480	NS	200	432.11	430.18	431.72
22-May-96	0.050	NS	NS	431.27	429.80	430.98
06-Nov-96	NS	NS	NS	430.86	427.68	430.22
19-Mar-97	0.095	NS	NS	430.22	426.72	429.52
17-Nov-97	0.0421	2.2	NS	432.89	430.96	432.50
29-Apr-98	0.0273	2.3	118	430.62	428.17	430.13
13-Oct-98	NS	NS	NS	432.25	431.07	432.01
08-Nov-04	NA	NA	NA	430.45	429.45	430.25
01-Apr-05	NS	NS	NS	NA	NM	NA
27-Sep-05	NS	NS	NS	432.46	431.08	432.18
16-May-06	NS	NS	NS	0.5 feet thick	NM	NA
14-Sep-06	NS	NS	NS	Several inches	NM	NA
14-May-07	NS	NS	NS	430.10	429.70	430.02
04-Jun-08	NS	NS	NS	NM	NM	NA
24-May-12	NS	NS	NS	NA	NM	NA
12-Aug-13	NS	NS	NS	0.6 feet thick	NM	NA
06-May-14	U (0.0005)	0.072	1.1	NA	NM	NA
26-May-15	NS	NS	NS	NA	Frozen	NA
12-May-16	NS	NS	NS	428.32	428.08	428.27
07-Sep-17	0.024	3.7	160	429.65	429.64	429.65
07-Sep-18	0.0033	1.3	60	NA	430.78	NA
23-Oct-19	0.0047	3.1	210	NA	429.33	NA
21-Oct-20	0.00735	1.37	2.67	NA	429.26	NA
27-Sep-21	0.00136	1.19	3.81	NA	433.27	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Free product evident, Not sampled Nov. 6, 1991 to March 12, 1995

Not monitored June 4, 2008 to May 24, 2012

Appendix D
Tables of Historical Groundwater Monitoring Data
Monitoring Well MW-4

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
04-Nov-91	0.17	NS	NS	NA	430.94	NA
03-Jan-92	NS	NS	NS	NA	430.70	NA
28-Jan-92	0.16	NS	NS	NA	430.83	NA
09-Mar-92	NS	NS	NS	NA	430.61	NA
23-Apr-92	0.11	NS	NS	NA	431.00	NA
16-Jul-92	U	NS	NS	NA	433.04	NA
11-Aug-92	0.13	NS	NS	NA	432.88	NA
10-Sep-92	0.15	NS	NS	NA	432.08	NA
07-Oct-92	0.11	NS	NS	NA	431.43	NA
21-Dec-92	0.11	NS	NS	NA	430.31	NA
09-Mar-93	0.093	NS	NS	NA	430.36	NA
23-Sep-94	U	NS	NS	NA	431.72	NA
17-Nov-97	U	U	NS	NA	430.61	NA
29-Apr-98	U	U	0.405	NA	428.37	NA
13-Oct-98	U	U	0.511	NA	430.78	NA
05-Nov-99	U	U	0.688	NA	430.16	NA
27-Jul-00	NS	NS	NS	NA	NM	NA
08-Mar-01	NS	NS	NS	NA	430.58	NA
04-Jun-01	U	U	0.915	NA	430.81	NA
30-Nov-01	U	U	0.955	NA	430.56	NA
24-Apr-02	NS	NS	NS	NA	430.28	NA
20-Aug-02	U	U	3.31	NA	432.83	NA
06-Nov-02	NS	NS	NS	NA	431.14	NA
27-Sep-05	NS	NS	NS	NA	NM	NA
16-May-06	U (0.0005)	U (0.050)	0.616	NA	430.29	NA
14-Sep-06	U (0.0005)	2.17	1.38	NA	431.37	NA
14-May-07	U (0.0005)	U	U	NA	431.86	NA
04-Jun-08	U (0.0005)	0.308	0.581	NA	430.46	NA
13-May-09	U (0.0005)	U (0.05)	U (0.417)	NA	431.46	NA
15-Jun-10	U (0.0005)	U (0.05)	U (0.455)	NA	429.00	NA
26-May-11	U (0.0005)	U (0.05)	0.439	NA	430.81	NA
24-May-12	U (0.0005)	U (0.05)	0.565	NA	428.69	NA
12-Aug-13	U (0.0005)	U (0.05)	U (0.400)	NA	428.95	NA
06-May-14	U (0.0005)	U (0.05)	U (0.41)	NA	428.80	NA
26-May-15	U (0.001)	U (0.05)	U (0.21)	NA	428.60	NA
12-May-16	U (0.0020)	U (0.1)	0.78	NA	428.17	NA
07-Sep-17	U (0.00040)	U (0.150)	0.59	NA	429.50	NA
07-Sep-18	U (0.00040)	U (0.150)	U (0.28)	NA	430.61	NA
23-Oct-19	U (0.003)	U (0.25)	0.33 H	NA	431.53	NA
21-Oct-20	U (0.001)	0.595	0.95	NA	NA	NA
27-Sep-21	U (0.001)	0.0498	0.834	NA	432.6	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Undetected levels of Analytes September 23, 1994 to Nov. 17, 1997
Undetected levels of Analytes or Not Sampled Nov. 6, 2002 to Sept. 27, 2005

Appendix D
Tables of Historical Groundwater Monitoring Data
Monitoring Well MW-5

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
04-Nov-91	U	NS	NS	NA	431.47	NA
17-Nov-97	U	U	NS	NA	431.22	NA
29-Apr-98	U	U	0.106	NA	429.11	NA
13-Oct-98	U	U	0.129	NA	431.41	NA
04-Nov-99	U	U	U	NA	430.95	NA
26-May-11	NS	NS	NS	NA	NM	NA
04-Oct-11 Well Decommissioned						
GCL	0.0046	2.2	1.5	NA	NA	NA

Analytes Undetected/Not Sampled Nov. 4, 1991- Nov. 17, 1997

Analytes Undetected/Not Sampled Nov. 4, 1999- May. 26, 2011

Monitoring Well MW-6

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
28-Jan-92	U	NS	NS	NA	430.59	NA
17-Nov-97	U	U	NS	NA	430.37	NA
29-Apr-98	U	U	0.119	NA	427.95	NA
13-Oct-98	U	U	0.151	NA	430.33	NA
27-Jul-00	U	U	0.331	NA	431.15	NA
08-Mar-01	NS	NS	NS	NA	NM	NA
04-Jun-01	NS	NS	NS	NA	NM	NA
30-Nov-01	U	U	1.61	NA	430.13	NA
14-May-07 Well Destroyed						
GCL	0.0046	2.2	1.5	NA	NA	NA

Analytes Undetected/Not Sampled Jan. 28, 1992 to Nov. 17, 1997

Monitoring Well MW-7

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
28-Jan-92	U	NS	NS	NA	430.59	NA
17-Nov-97	U	U	NS	NA	430.43	NA
29-Apr-98	0.00223	U	0.132	NA	428.18	NA
13-Oct-98	NS	NS	NS	NA	NM	NA
07-Jun-00 Well Destroyed						
GCL	0.0046	2.2	1.5	NA	NA	NA

Analytes Undetected/Not Sampled Jan. 28, 1992 to Nov. 17, 1997

Appendix D
Tables of Historical Groundwater Monitoring Data
Monitoring Well MW-8

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
29-Jan-92	NS	NS	NS	431.54	428.79	430.99
18-Aug-04	NS	NS	NS	NA	431.86	NA
30-Aug-04	0.00516	0.329	1.69	NA	NM	NA
08-Nov-04	NS	NS	NS	NA	430.70	NA
01-Apr-05	NS	NS	NS	NA	NM	NA
27-Sep-05	U (0.0005)	U (0.05)	U (0.4)	NA	430.21	NA
16-May-06	0.000695	0.0766	4.12	NA	430.59	NA
14-Sep-06	0.00645	0.284	0.956	NA	431.52	NA
14-May-07	NS	NS	NS	430.04	430.00	430.03
04-Jun-08	0.00188	0.450	5.81	430.61	430.60	430.61
13-May-09	0.00238	0.740	12.6	NA	430.98	NA
15-Jun-10	0.00467	1.390	2.45	NA	428.96	NA
26-May-11	0.00188	1.10	13.1	NA	431.01	NA
24-May-12	0.00134	0.524	1.88	NA	428.91	NA
12-Aug-13	NS	NS	NS	428.42	428.40	428.42
07-May-14	0.00067	2.2	43	NA	428.42	NA
26-May-15	0.0025	2.8	65	NA	428.87	NA
12-May-16	0.00087	0.86	12	NA	428.34	NA
07-Sep-17	0.016	0.390	27	NA	429.69	NA
07-Sep-18	0.00067	0.280	20	NA	430.79	NA
23-Oct-19	U (0.003)	0.45	12	NA	429.39	NA
21-Oct-20	0.000695	0.126	8.97	NA	429.3	NA
27-Sep-21	0.00074	0.462	20.5	NA	442.68	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Analytes undetected/Not Sampled Jan. 29, 1992 to Aug. 18, 2004

Monitoring Well MW-9

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
16-May-03	NS	NS	NS	431.36	431.16	431.32
04-Aug-03	NS	NS	NS	NA	NM	NA
24-Nov-03	NS	NS	NS	NA	NM	NA
10-Feb-04	NS	NS	NS	NA	NM	NA
03-May-04	NS	NS	NS	430.87	429.21	430.54
18-Aug-04	NS	NS	NS	432.19	430.59	431.87
08-Nov-04	NS	NS	NS	430.09	430.04	430.08
01-Apr-05	NS	NS	NS	NA	NM	NA
26-May-11	NS	NS	NS	NA	NM	NA
04-Oct-11	Well Decommissioned					
GCL	0.0046	2.2	1.5	NA	NA	NA

Monitoring Wells MW-10, MW-11, and MW-12 consist of steel pipe casings, and are typically frozen. Monitoring Well MW-12 has been destroyed. Data for Monitoring Wells MW-10, MW-11, and MW-12 is not included.

Appendix D Tables of Historical Groundwater Monitoring Data

Monitoring Well MW-13

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
04-Nov-99	0.00468	0.096	1.26	NA	NM	NA
27-Jul-00	0.012	0.32	0.848	NA	NM	NA
08-Mar-01	NS	NS	NS	NA	430.69	430.69
04-Jun-01	0.00276	U	0.831	NA	430.93	430.93
04-Oct-11	Well Decommissioned					
GCL	0.0046	2.2	1.5	NA	NA	NA

Monitoring Well MW-14

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
10-Apr-00	NS	NS	NS	NA	428.72	NA
08-Nov-04	NS	NS	NS	NA	428.18	NA
01-Apr-05	0.0162	2.16	22	NA	429.39	NA
27-Sep-05	0.0194	1.07	4.34	NA	429.31	NA
16-May-06	NS	NS	NS	NA	NM	NA
14-Sep-06	0.00323	0.457	1.51	NA	NR	NA
14-May-07	NS	NS	NS	NA	NM	NA
04-Jun-08	0.0128	0.964	3.02	NA	430.57	NA
13-May-09	0.0267	2.18	1.77	NA	430.88	NA
15-Jun-10	0.0119	1.15	1.89	NA	429.05	NA
26-May-11	0.0103	1.23	3.78	NA	430.92	NA
24-May-12	0.00271	0.284	2.72	NA	428.79	NA
12-Aug-13	0.0442	3.77	120	NA	429.18	NA
06-May-14	0.027	12	67	NA	426.53	NA
26-May-15	0.020	3.6	6.4	NA	426.47	NA
Ice Plug	Ice Plug					
07-Sep-17	0.050	6.5	14	NA	429.60	NA
07-Sep-18	0.074	U (7.5)	26	NA	430.73	NA
23-Oct-19	0.054	12	15 H	NA	429.64	NA
21-Oct-20	0.0585	6.68	4.75	NA	429.21	NA
27-Sep-21	0.0251	11.9	3.17	NA	432.61	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Not sampled April 10, 2000 to Nov. 8, 2004

Monitoring Well MW-15

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
04-Nov-99	0.106	12.0	8.51	NA	NM	NA
28-Jan-00	NS	NS	NS	NA	429.29	NA
27-Jul-00	NS	NS	NS	431.69	431.03	431.56
08-Mar-01	NS	NS	NS	431.04	430.44	430.88
04-Jun-01	NS	NS	NS	NA	Frozen	NA
30-Nov-01	Well Destroyed					
GCL	0.0046	2.2	1.5	NA	NA	NA

Appendix D
Tables of Historical Groundwater Monitoring Data
Monitoring Well MW-16

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
04-Nov-99	U	2.4	1.83	NA	NS	NA
10-Apr-00	NS	NS	NS	429.23	428.88	429.16
27-Jul-00	NS	NS	NS	431.64	431.65	431.64
08-Mar-01	NS	NS	NS	431.03	430.62	430.92
04-Jun-01	U	U	1.61	NA	431.29	NA
30-Nov-01	NS	NS	NS	NA	430.98	NA
24-Apr-02	NS	NS	NS	NA	NM	NA
20-Aug-02	0.0006	1.63	1.22	NA	433.03	NA
06-Nov-02	NS	NS	NS	NA	431.36	NA
27-Sep-05	NS	NS	NS	NA	NM	NA
16-May-06	U (0.0005)	U (0.050)	1.06	NA	430.08	NA
14-Sep-06	U (0.0005)	0.237	0.908	NA	431.63	NA
14-May-07	U (0.0005)	U (0.050)	1.12	429.56	429.20	429.24
04-Jun-08	U (0.0005)	U (0.050)	U (0.4)	NA	430.74	NA
13-May-09	NS	NS	NS	NA	NM	NA
15-Jun-10	NS	NS	NS	NA	NM	NA
04-Oct-11	Well Decommissioned					
GCL	0.0046	2.2	1.5	NA	NA	NA

Not Sampled Nov. 6, 2002 to Sept. 27, 2005

Appendix D
Tables of Historical Groundwater Monitoring Data

Monitoring Well MW-17

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
04-Nov-99	NS	NS	NS	NA	NM	NA
28-Jan-00	NS	NS	NS	NA	429.08	NA
10-Apr-00	NS	NS	NS	429.97	427.06	429.39
27-Jul-00	0.07	6.8	57.6	431.45	431.44	431.45
08-Mar-01	NS	NS	NS	NA	430.41	NA
16-May-03	NS	NS	NS	NA	431.76	NA
04-Aug-03	0.0016	0.535	4.5	NA	433.63	NA
24-Nov-03	NS	NS	NS	NA	431.29	NA
10-Feb-04	NS	NS	NS	NA	430.53	NA
03-May-04	0.0823	1.14	65.2	NA	431.26	NA
18-Aug-04	NS	NS	NS	NA	432.18	NA
08-Nov-04	NS	NS	NS	NA	430.40	NA
01-Apr-05	0.0148	5.37	118	NA	430.61	NA
27-Sep-05	0.00422	0.204	6.53	NA	432.54	NA
16-May-06	0.000652	0.633	51.2	NA	430.95	NA
14-Sep-06	0.00634	0.642	9.33	NA	431.46	NA
14-May-07	0.00182	0.467	74.1	NA	429.79	NA
04-Jun-08	0.00054	0.213	3.49	NA	430.54	NA
13-May-09	U (0.0005)	U (0.05)	1.11	NA	433.54	NA
15-Jun-10	0.00384	0.148	3.7	NA	428.82	NA
26-May-11	U (0.0005)	U (0.05)	0.963	NA	431.19	NA
24-May-12	U (0.0005)	0.122	1.05	NA	428.13	NA
12-Aug-13	U (0.0005)	1.68	114	NA	429.15	NA
06-May-14	U (0.0005)	1.2	28	NA	426.33	NA
26-May-15	U (0.0010)	3.9	32	NA	426.17	NA
12-May-16	U (0.00026)	3.3	74	NA	427.12	NA
07-Sep-17	0.0059	2.4	47	NA	429.61	NA
07-Sep-18	0.0064	2.9	24	NA	430.60	NA
23-Oct-19	0.0077	0.38	14	NA	429.31	NA
21-Oct-20	0.0732	3.2	17.7	NA	429.28	NA
27-Sep-21	0.0328	3.45	3.91	NA	432.59	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Not Sampled Jun. 04, 2001 to May 16, 2003

Monitoring Well MW-18

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
04-Nov-99	U	3.4	24.6	NA	NM	NA
10-Apr-00	NS	NS	NS	429.21	429.12	429.19
27-Jul-00	U	U	6.06	NA	432.73	NA
08-Mar-01	NS	NS	NS	NA	430.95	NA
04-Jun-01	U	1.42	11.6	NA	431.29	NA
30-Nov-01	NS	NS	NS	NA	430.81	NA
26-May-11	NS	NS	NS	NA	NM	NA
04-Oct-11	Well Decommissioned					
GCL	0.0046	2.2	1.5	NA	NA	NA

Not Sampled Nov. 30, 2001 to May 26, 2011

Appendix D Tables of Historical Groundwater Monitoring Data

Monitoring Well MW-19

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
27-Jul-00	0.044	U	1.14	NA	NST	NA
08-Mar-01	NS	NS	NS	NA	430.57	NA
04-Jun-01	0.0037	0.271	1.05	NA	430.82	NA
30-Nov-01	Well Destroyed					
GCL	0.0046	2.2	1.5	NA	NA	NA

Monitoring Well MW 19-1

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
26-Jun-19	0.048	5.2	2.0 H	NA	NM	NM
23-Oct-19	0.085	8.6	42 H	NA	NC	NA
22-Oct-20	NS	NS	NS	NM	NM	NM
27-Sep-21	0.0659	7.02	29.6	NA	432.63	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Monitoring Well MW 19-2

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
26-Jun-19	0.074	7.4	5.0 H	NA	NM	NM
23-Oct-19	NS	NS	NS	NC	NC	NC
22-Oct-20	NS	NS	NS	NM	NM	NM
27-Sep-21	NS	NS	NS	429.61	432.6	429.6
GCL	0.0046	2.2	1.5	NA	NA	NA

Monitoring Well MW-20

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
27-Jul-00	U	U	0.997	NA	NST	NA
08-Mar-01	NS	NS	NS	NA	NM	NA
04-Jun-01	NS	NS	NS	NA	NM	NA
30-Nov-01	Well Destroyed					
GCL	0.0046	2.2	1.5	NA	NA	NA

Monitoring Well MW-21

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
27-Jul-00	0.028	U	1.55	NA	NST	NA
08-Mar-01	NS	NS	NS	NA	NM	NA
04-Jun-01	NS	NS	NS	NA	NM	NA
30-Nov-01	Well Destroyed					
GCL	0.0046	2.2	1.5	NA	NA	NA

Appendix D Tables of Historical Groundwater Monitoring Data

Monitoring Well MW-22

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
27-Jul-00	U	U	0.008	NA	NST	NA
08-Mar-01	NS	NS	NS	NA	NM	NA
04-Jun-01	NS	NS	NS	NA	NM	NA
30-Nov-01	Well Destroyed					
GCL	0.0046	2.2	1.5	NA	NA	NA

Monitoring Well MW-23

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
30-Nov-01	NS	NS	NS	NA	NM	NA
24-Apr-02	NS	NS	NS	430.71	430.59	430.69
20-Aug-02	NS	NS	NS	NA	433.01	NA
06-Nov-02	NS	NS	NS	NA	431.59	NA
20-Mar-03	NS	NS	NS	NA	432.00	NA
16-May-03	NS	NS	NS	NA	432.06	NA
04-Aug-03	NS	NS	NS	NA	433.38	NA
16-Oct-03	Well damaged during site work and removed.					
GCL	0.0046	2.2	1.5	NA	NA	NA

Monitoring Well MW-24

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
30-Nov-01	0.0142	0.230	0.714	NA	NST	NA
24-Apr-02	0.0144	0.213	0.686	NA	430.35	NA
20-Aug-02	U	U	U	NA	433.01	NA
06-Nov-02	NS	NS	NS	NA	431.34	NA
20-Mar-03	NS	NS	NS	NA	430.92	NA
16-May-03	NS	NS	NS	NA	431.11	NA
04-Aug-03	0.0007	0.115	U	NA	432.99	NA
24-Nov-03	NS	NS	NS	NA	NM	NA
10-Feb-04	NS	NS	NS	NA	429.75	NA
03-May-04	0.0342	1.12	4.32	NA	430.11	NA
18-Aug-04	NS	NS	NS	NA	431.74	NA
08-Nov-04	NS	NS	NS	NA	429.94	NA
01-Apr-05	0.0147	2.0	17.6	NA	429.87	NA
27-Sep-05	U (0.0005)	U (0.05)	1.29	NA	431.88	NA
16-May-06	NS	NS	NS	NA	NM	NA
14-Sep-06	0.00270	0.0520	1.15	NA	431.46	NA
14-May-07	NS	NS	NS	NA	NM	NA
22-Oct-20	NS	NS	NS	NA	NM	NA
27-Sep-21	NS	NS	NS	NA	NM	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Not sampled May 14, 2007 to October 22, 2020

Appendix D Tables of Historical Groundwater Monitoring Data

Monitoring Well MW-25

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
30-Nov-01	U	U	U	NA	NST	NA
26-May-11	NS	NS	NS	NA	NM	NA
04-Oct-11	Well Decommissioned					
GCL	0.0046	2.2	1.5	NA	NA	NA

Historically frozen, not sampled since monitored since Nov. 30, 2001

Monitoring Well MW-26

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
30-Nov-01	NS	NS	NS	NA	NST	NA
24-Apr-02	0.0024	0.0909	1.42	NA	416.97	NA
01-Apr-05	NS	NS	NS	NA	NM	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Historically frozen, not sampled since monitored since April 24, 2002

Monitoring Well MW-27

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
30-Nov-01	U	U	U	NA	NST	NA
24-Apr-02	U	U	U	NA	431.69	NA
20-Aug-02	U	U	0.54	NA	433.58	NA
06-Nov-02	NS	NS	NS	NA	432.9	NA
20-Mar-03	NS	NS	NS	NA	432.43	NA
16-May-03	NS	NS	NS	NA	432.75	NA
04-Aug-03	U	U	0.589	NA	434.62	NA
24-Nov-03	NS	NS	NS	NA	432.28	NA
26-May-11	NS	NS	NS	NA	NM	NA
04-Oct-11	Well Decommissioned					
GCL	0.0046	2.2	1.5	NA	NA	NA

Not Sampled Nov.24, 2003 to May 26, 2011

Monitoring Well MW-28

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
30-Nov-01	0.003	U	0.747	NA	NST	NA
24-Apr-02	U	U	0.570	NA	430.89	NA
20-Aug-02	0.004	U	0.878	NA	433.31	NA
06-Nov-02	NS	NS	NS	NA	431.64	NA
26-May-11	NS	NS	NS	NA	NM	NA
04-Oct-11	Well Decommissioned					
GCL	0.0046	2.2	1.5	NA	NA	NA

Not Sampled Nov. 06, 2002 to May 26, 2011

Appendix D Tables of Historical Groundwater Monitoring Data

Monitoring Well G-1

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
Mar-01	NS	NS	NS	NA	NST	NA
May-01	U	U	U	NA	NST	NA
30-Nov-01	U	U	U	NA	429.16	NA
24-Apr-02	U	U	U	NA	430.30	NA
04-Jun-02	NS	NS	NS	NA	430.30	NA
20-Aug-02	U	U	U	NA	432.87	NA
06-Nov-02	NS	NS	NS	NA	431.12	NA
20-Mar-03	NS	NS	NS	NA	431.06	NA
16-May-03	NS	NS	NS	NA	431.26	NA
04-Aug-03	U	U	U	NA	433.22	NA
24-Nov-03	NS	NS	NS	NA	430.81	NA
22-Oct-20	NS	NS	NS	NA	NM	NA
22-Oct-20	NS	NS	NS	NA	NM	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Not sampled Nov. 24, 2003 to October 22, 2020

Monitoring Well MW-29

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
16-Oct-03	U	U	U	NA	431.56	NA
24-Nov-03	NS	NS	NS	NA	430.49	NA
10-Feb-04	NS	NS	NS	NA	429.66	NA
03-May-04	U	U	U	NA	430.01	NA
18-Aug-04	NS	NS	NS	NA	NM	NA
08-Nov-04	NS	NS	NS	NA	NM	NA
01-Apr-05	NS	NS	NS	NA	NM	NA
27-Sep-05	U (0.0005)	U (0.05)	U (0.403)	NA	431.49	NA
16-May-06	NS	NS	NS	NA	NM	NA
27-Sep-21	NS	NS	NS	NA	NM	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Not sampled May 16, 2006 to October 22, 2020

Monitoring Well MW-30

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
16-Oct-03	U	U	U	NA	431.98	NA
24-Nov-03	NS	NS	NS	NA	430.74	NA
10-Feb-04	NS	NS	NS	NA	429.98	NA
03-May-04	U	U	U	NA	430.31	NA
18-Aug-04	NS	NS	NS	NA	NM	NA
08-Nov-04	NS	NS	NS	NA	429.70	NA
01-Apr-05	NS	NS	NS	NA	428.69	NA
27-Sep-05	NS	NS	NS	NA	NM	NA
22-Oct-20	NS	NS	NS	NA	NM	NA
27-Sep-21	0.00122	0.0345	0.415	NA	432.48	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Not sampled Sept. 27, 2005 to October 22, 2020

Speedway Store 5313, formerly Tesoro 2 Go Mart #101/11C

October 2020 Monitoring Event Report

Appendix D Tables of Historical Groundwater Monitoring Data

IFC Aeration Tank Effluent

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
24-May-12	0.00486	0.532	0.478	NA	NM	NA
12-Aug-13	NS	NS	NS	NA	NM	NA
06-May-14	NS	NS	NS	NA	NM	NA
26-May-15	0.0065	0.59	21	NA	NM	NA
12-May-16	0.005	0.21	U (0.43)	NA	NM	NA
07-Sep-17	U (0.00040)	U (0.150)	0.74	NA	430.91	NA
07-Sep-18	U (0.00040)	U (0.150)	0.28	NA	NM	NA
23-Oct-19	U (0.003)	U (0.25)	0.37	NA	NM	NA
22-Oct-20	0.000701	0.0861	0.988	NA	NM	NA
27-Sep-21	0.000175	0.0889	0.7	NA	NM	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

CRW-2

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
24-Sep-13	U (0.0005)	U (0.05)	U (0.439)	NA	NM	NA
07-May-14	0.0014	0.05	1.2	NA	NM	NA
26-May-15	NS	NS	NS	NA	NM	NA
12-May-16	NS	NS	NS	426.91	425.10	426.55
07-Sep-17	0.016	0.350	0.96	429.60	423.60	428.40
07-Sep-18	0.013	0.910	2.8	430.70	NM	NM
23-Oct-19	0.011	0.99	1.4	NA	NM	NA
22-Oct-20	0.00739	0.385	1.51	NA	NM	NA
27-Sep-21	0.00287	0.548	0.627	NA	429.05	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

WRW-2020

Date	Benzene (mg/L)	GRO (mg/L)	DRO (mg/L)	Product Elevation (feet)	Measured GW Elevation (feet)	Corrected GW Elevation (feet)
16-Jul-20	10.6	NS	NS	NA	NM	NA
22-Oct-20	0.00339	0.588	1.05	NA	NM	NA
27-Sep-21	0.00183	0.929	0.973	NA	432.48	NA
GCL	0.0046	2.2	1.5	NA	NA	NA

Key:

- DRO - diesel range organics
- GCL - groundwater cleanup levels
- GRO - gasoline range organics
- GW - groundwater
- H - Sampled was prepped or analyzed beyond the specific holding time
- mg/L - milligrams per liter
- NA - not applicable
- NC - not calculated
- NM - not measured
- NS - not sampled
- NST - Not surveyed at time of monitoring.
- U - Undetected above practical quantitation limits (PQLs).
- Density of product assumed 800 kg/m³

Appendix D

Tables of Historical Groundwater Monitoring Data

Bold, shade indicates concentration exceeds the GCL or, if not detected, the PQL exceeds the GCL

italized cells indicate lab estimated values