

Technical Memorandum

November 30, 2023

To	Brian Kelly, U.S. EPA Christopher Black, U.S. EPA Richard Clarizio, U.S. EPA Lori Kozel, Tetra Tech Halie Kishm, Tetra Tech Licia Yanouyian, City of Dearborn Soud El-Jamaly, City of Dearborn	Ref. No.	11227044
Copy to	Anastasia Bremmer, Ford Bert Richnafsky, Weavertown Grant Gilezan, Dykema Gossett		
From	David Canfield, Project Coordinator/mg/5		
Subject	Annual Progress Report #4 - January through December 2023 (Pursuant to Section 92 of the AOC and Section 3.2 of the Removal Action Work Plan) Former Dearborn Refining Site Dearborn, Michigan		

A. Due Date: December 31, 2023

B. Revisions to OMM Scope of Work

In accordance with the Operation, Maintenance and Monitoring Report (OMM) Plan, Amendment #3 dated November 24, 2020, this Annual Report has been prepared to present the OMM activities completed at the Dearborn Refining Site (Site) located in Dearborn, Michigan between January 1, and December 31, 2023. The OMM Plan was prepared by GHD pursuant to the Removal Action Work Plan (Work Plan) dated November 2010, on behalf of the NPOS Respondents to the Administrative Settlement Agreement and Order on Consent (Agreement), issued by the United States Protection Agency (U.S. EPA).

The purpose of the OMM activities is to ensure the effective performance and integrity of the cover system, methane gas venting, sentry wells, site monitoring wells, stormwater management areas, and gas probes.

In addition to reducing the frequency of reporting from quarterly to annual, and based on evaluation of historical monitoring data, the OMM Plan, Amendment #3 also included the following revisions to the monitoring program:

- Termination of annual groundwater and vapor sampling
- Reduction of hydraulic and LNAPL monitoring from quarterly to annually
- Reduction of the methane monitoring from quarterly to semi-annually
- Reduction of methane monitoring to 21 locations
- Site inspections and maintenance from quarterly to semi-annually

C. Completed Activities – January through December 2023

- The 2023 data for the OMM monitoring locations are presented in the attached tables, as noted below for reference:
 - Water levels are presented in Table 1
 - LNAPL observations are presented in Table 2
 - Gas probe pressure readings are presented in Table 3
 - Methane monitoring results are presented in Table 4
 - Locations of the monitoring points with respect to Site features are presented in Table 5
- The 2023 data for the OMM monitoring locations are presented on the attached figures, as noted below for reference:
 - The annual groundwater levels, LNAPL observations and gas probe pressure readings collected on June 1, 2023, are presented on Figure 1.
 - The semi-annual methane monitoring results collected on June 1 and October 10, 2023, are presented on Figure 2.
 - The 2023 inspection forms and photographs are presented in Attachment 1.
- March 17, 2023, GHD uncovered and found MW15-12 intact. MW13-12 was uncovered but required replacement due to damage
- May 17, 2023, GHD contracted US Lawns to apply herbicide to the gravel cap of the Site.
- May 30, 2023, GHD installed a replacement well, MW13-23 for the well that was destroyed, MW13-12.
- May 30, 2023, GHD developed the replacement well, MW13-23.
- June 1, 2023, GHD repaired various gas probes and monitoring wells on Site: MW1-08, MW2-08, MW3R-08, MW4-08, and MW8-10.

D. Document Submittals/Work Plan Modification

- Submittals:
 - The Second Amended and Restated Declaration of Restrictive Covenant and Grant of Environmental Protection Easement was recorded at the Wayne County Register of Deeds on November 3, 2023.
- Revision Requests:
 - None
- Work Plan Revisions:
 - None

E. Monitoring Program Changes

- No monitoring program changes are currently proposed. The current monitoring program is presented in the November 24, 2020 OMM Plan.

F. Issues Identified

- New Issues and Planned Resolution:

- During the June and October 2023 inspections it was noted that there is a vehicle rut on the southeast grass area. The rut does not impact the cap system, the area will be monitored to confirm the rut does not increase in size and vegetation is reestablished.
- During the June and October 2023 inspections it was noted that the fencing along North is bent inwards from the trucking activities on the property to the north of the Site. The fencing will continue to be monitored to confirm the site is inaccessible through the fence line.

G. Current/Projected Work – January through December 2024

- Complete OMM activities consistent with the OMM Plan, as identified below:
 - Semi-annual methane monitoring
 - Semi-annual inspections
 - Annual water level measurements
 - Annual LNAPL measurements
 - Annual pressure measurements
 - Annual progress reports
- Submit Annual Progress Report #5 for January through December 2024
- Scheduling:
 - OMM activities and progress reporting are to be completed, as identified in the OMM Plan.

H. Certification

The Response Action appears to be effective, and methane does not appear to be migrating from the Site, however; methane is present on the Ferrous Processing and Trading Company (FPT) property at and south of the Site boundary. Site use appears to be compliant with deed restrictions based on observations made during the semi-annual monitoring events. The Site, under the City of Dearborn ownership, appears to pose no imminent and substantial threats to human health or the environment.

Under penalty of law, I certify that to the best of my knowledge, after appropriate inquiries of all relevant persons involved in the preparation of the report, the information submitted is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Regards,



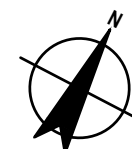
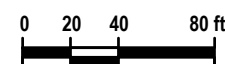
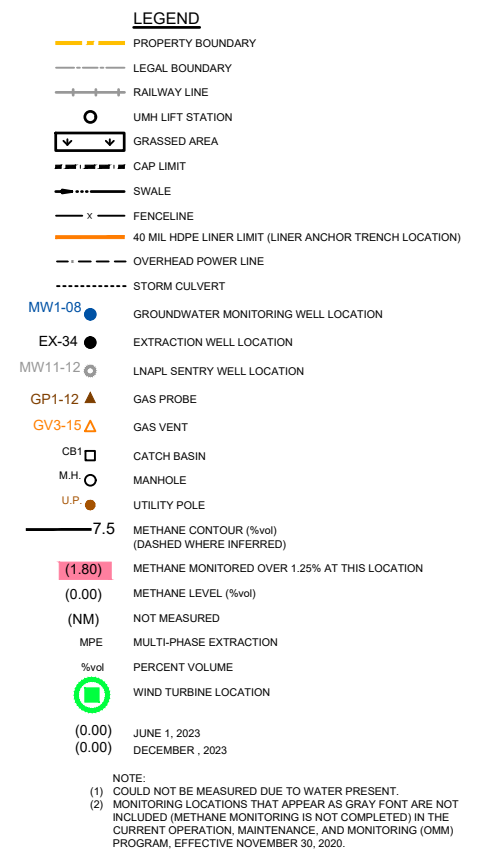
David Canfield, P.E.
Project Coordinator

LIBERTY TRUCK SERVICES
(TRUCK REPAIR)

RAILWAY
TRACKS

WYOMING
AVENUE

FERROUS PROCESSING
AND TRADING
(METAL RECYCLER)



FORMER DEARBORN REFINING SITE
DEARBORN, MICHIGAN

JUNE 1 AND OCTOBER 10, 2023
METHANE LEVELS
ANNUAL PROGRESS REPORT #4

Project No. 11227044
Date December 2023

FIGURE 2

Table 1

**Hydraulic Measurements
Annual Progress Report #4 (2023)
Former Dearborn Refining Site
Dearborn, Michigan**

Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW1-08	4/24/2013	592.55	589.24	574.24	--	8.60	--	--	583.95	583.95
MW1-08	5/23/2013	592.55	589.24	574.24	--	8.62	--	--	583.93	583.93
MW1-08	6/20/2013	592.55	589.24	574.24	--	8.46	--	--	584.09	584.09
MW1-08	7/25/2013	592.55	589.24	574.24	--	7.80	--	--	584.75	584.75
MW1-08	8/29/2013	592.55	589.24	574.24	--	8.77	--	--	583.78	583.78
MW1-08	9/27/2013	592.55	589.24	574.24	--	9.76	--	--	582.79	582.79
MW1-08	10/22/2013	592.55	589.24	574.24	--	9.97	--	--	582.58	582.58
MW1-08	11/21/2013	592.55	589.24	574.24	--	10.61	--	--	581.94	581.94
MW1-08	12/11/2013	592.55	589.24	574.24	--	10.73	--	--	581.82	581.82
MW1-08	1/15/2014	592.55	589.24	574.24	--	10.47	--	--	582.08	582.08
MW1-08	2/26/2014	592.55	589.24	574.24	--	10.56	--	--	581.99	581.99
MW1-08	3/25/2014	592.55	589.24	574.24	--	9.89	--	--	582.66	582.66
MW1-08	5/5/2014	592.55	589.24	574.24	--	9.27	--	--	583.28	583.28
MW1-08	9/19/2014	592.55	589.24	574.24	--	7.98	--	--	584.57	584.57
MW1-08	12/11/2014	591.41	589.24	574.24	--	8.90	--	--	582.51	582.51
MW1-08	3/9/2015	591.41	589.24	574.24	--	9.86	--	--	581.55	581.55
MW1-08	6/1/2015	591.41	589.24	574.24	--	8.75	--	--	582.66	582.66
MW1-08	8/5/2015	591.41	589.24	574.24	--	8.56	--	--	582.85	582.85
MW1-08	1/8/2016	591.41	589.24	574.24	--	9.09	--	--	582.32	582.32
MW1-08	3/18/2016	591.41	589.24	574.24	--	8.31	--	--	583.10	583.10
MW1-08	5/26/2016	591.41	589.24	574.24	--	7.93	--	--	583.48	583.48
MW1-08	8/12/2016	591.41	589.24	574.24	--	9.32	--	--	582.09	582.09
MW1-08	12/9/2016	591.41	589.24	574.24	--	8.19	--	--	583.22	583.22
MW1-08	2/27/2017	591.41	589.24	574.24	--	7.83	--	--	583.58	583.58
MW1-08	6/19/2017	591.41	589.24	574.24	--	7.32	--	--	584.09	584.09
MW1-08	9/13/2017	591.41	589.24	574.24	--	8.65	--	--	582.76	582.76
MW1-08	11/16/2017	591.41	589.24	574.24	--	9.19	--	--	582.22	582.22
MW1-08	3/22/2018	591.41	589.24	574.24	--	7.11	--	--	584.30	584.30
MW1-08	5/17/2018	591.41	589.24	574.24	--	5.95	--	--	585.46	585.46
MW1-08	9/19/2018	591.41	589.24	574.24	--	8.81	--	--	582.60	582.60
MW1-08	11/29/2018	591.41	589.24	574.24	--	6.88	--	--	584.53	584.53
MW1-08	3/21/2019	591.41	589.24	574.24	--	7.68	--	--	583.73	583.73
MW1-08	6/5/2019	591.41	589.24	574.24	--	6.24	--	--	585.17	585.17
MW1-08	9/9/2019	591.41	589.24	574.24	--	8.48	--	--	582.93	582.93
MW1-08	11/26/2019	591.41	589.24	574.24	--	8.16	--	--	583.25	583.25
MW1-08	6/4/2020	591.42	589.24	574.24	--	10.93	--	--	580.49	580.49
MW1-08	9/23/2020	591.42	589.24	574.24	--	6.93	--	--	584.49	584.49
MW1-08	6/24/2021	591.42	589.24	574.24	--	8.88	--	--	582.54	582.54
MW1-08	5/18/2022	591.42	589.24	574.24	--	7.37	--	--	584.05	584.05
MW1-08	6/1/2023	591.42	589.24	574.24	--	dry	--	--	--	--

**Hydraulic Measurements
Annual Progress Report #4 (2023)
Former Dearborn Refining Site
Dearborn, Michigan**

Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW2-08	4/24/2013	591.76	588.79	584.79	--	7.09	--	--	584.67	584.67
MW2-08	5/23/2013	591.76	588.79	584.79	--	8.23	--	--	583.53	583.53
MW2-08	6/20/2013	591.76	588.79	584.79	--	8.18	--	--	583.58	583.58
MW2-08	7/25/2013	591.76	588.79	584.79	--	6.70	--	--	585.06	585.06
MW2-08	8/29/2013	591.76	588.79	584.79	--	8.04	--	--	583.72	583.72
MW2-08	9/27/2013	591.76	588.79	584.79	--	8.58	--	--	583.18	583.18
MW2-08	10/22/2013	591.76	588.79	584.79	--	8.91	--	--	582.85	582.85
MW2-08	11/21/2013	591.76	588.79	584.79	--	9.17	--	--	582.59	582.59
MW2-08	12/11/2013	591.76	588.79	584.79	--	9.10	--	--	582.66	582.66
MW2-08	1/15/2014	591.76	588.79	584.79	--	7.56	--	--	584.20	584.20
MW2-08	2/26/2014	591.76	588.79	584.79	--	7.85	--	--	583.91	583.91
MW2-08	3/25/2014	591.76	588.79	584.79	(1)	(1)	(1)	(1)	(1)	(1)
MW2-08	5/5/2014	591.76	588.79	584.79	(1)	(1)	(1)	(1)	(1)	(1)
MW2-08	9/19/2014	591.76	588.79	584.79	--	7.80	--	--	583.96	583.96
MW2-08	12/11/2014	590.64	588.79	584.79	--	8.06	--	--	582.58	582.58
MW2-08	3/9/2015	590.64	588.79	584.79	--	8.72	--	--	581.92	581.92
MW2-08	6/1/2015	590.64	588.79	584.79	--	7.52	--	--	583.12	583.12
MW2-08	8/5/2015	590.64	588.79	584.79	--	8.47	--	--	582.17	582.17
MW2-08	1/8/2016	590.64	588.79	584.79	--	7.47	--	--	583.17	583.17
MW2-08	3/18/2016	590.64	588.79	584.79	--	6.32	--	--	584.32	584.32
MW2-08	5/26/2016	590.64	588.79	584.79	--	8.13	--	--	582.51	582.51
MW2-08	8/12/2016	590.64	588.79	584.79	--	9.04	--	--	581.60	581.60
MW2-08	12/9/2016	590.64	588.79	584.79	--	7.21	--	--	583.43	583.43
MW2-08	2/27/2017	590.64	588.79	584.79	--	7.38	--	--	583.26	583.26
MW2-08	6/19/2017	590.64	588.79	584.79	--	8.27	--	--	582.37	582.37
MW2-08	9/13/2017	590.64	588.79	584.79	--	9.12	--	--	581.52	581.52
MW2-08	11/16/2017	590.64	588.79	584.79	--	9.27	--	--	581.37	581.37
MW2-08	3/22/2018	590.64	588.79	584.79	--	7.67	--	--	582.97	582.97
MW2-08	5/17/2018	590.64	588.79	584.79	--	6.34	--	--	584.30	584.30
MW2-08	9/19/2018	590.64	588.79	584.79	--	9.05	--	--	581.59	581.59
MW2-08	11/29/2018	590.64	588.79	584.79	--	1.32	--	--	589.32	589.32
MW2-08	3/21/2019	590.64	588.79	584.79	--	7.25	--	--	583.39	583.39
MW2-08	6/5/2019	590.64	588.79	584.79	--	7.71	--	--	582.93	582.93
MW2-08	9/9/2019	590.64	588.79	584.79	--	9.01	--	--	581.63	581.63
MW2-08	11/26/2019	590.64	588.79	584.79	--	6.76	--	--	583.88	583.88
MW2-08 ⁽¹²⁾	6/4/2020	590.66	588.79	584.79	--	7.94	--	--	582.72	582.72
MW2-08 ⁽¹²⁾	9/23/2020	590.66	588.79	584.79	--	7.33	--	--	583.33	583.33
MW2-08	6/24/2021	590.66	588.79	584.79	--	8.93	--	--	581.73	581.73
MW2-08	5/18/2022	590.66	588.79	584.79	--	7.67	--	--	582.99	582.99
MW2-08	6/1/2023	590.66	588.79	584.79	--	8.16	--	--	582.50	582.50

**Hydraulic Measurements
Annual Progress Report #4 (2023)
Former Dearborn Refining Site
Dearborn, Michigan**

Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW3R-08	4/24/2013	589.11	583.91	568.91	4.90	4.90	trace	584.21	584.21	584.21
MW3R-08	5/23/2013	589.11	583.91	568.91	6.51	6.51	trace	582.60	582.60	582.60
MW3R-08	6/20/2013	589.11	583.91	568.91	--	5.60	--	--	583.51	583.51
MW3R-08	7/25/2013	589.11	583.91	568.91	--	4.71	trace	--	584.40	584.40
MW3R-08	8/29/2013	589.11	583.91	568.91	--	7.34	trace	--	581.77	581.77
MW3R-08	9/27/2013	589.11	583.91	568.91	--	7.83	--	--	581.28	581.28
MW3R-08	10/22/2013	589.11	583.91	568.91	--	8.50	trace	--	580.61	580.61
MW3R-08	11/21/2013	589.11	583.91	568.91	--	8.67	trace	--	580.44	580.44
MW3R-08	12/11/2013	589.11	583.91	568.91	--	8.44	trace	--	580.67	580.67
MW3R-08	1/15/2014	589.11	583.91	568.91	--	6.78	--	--	582.33	582.33
MW3R-08	2/26/2014	589.11	583.91	568.91	--	7.15	--	--	581.96	581.96
MW3R-08	3/25/2014	589.11	583.91	568.91	--	6.19	--	--	582.92	582.92
MW3R-08	5/5/2014	589.11	583.91	568.91	--	6.13	--	--	582.98	582.98
MW3R-08	9/19/2014	589.11	583.91	568.91	--	5.39	--	--	583.72	583.72
MW3R-08	12/11/2014	587.87	583.91	568.91	--	6.08	trace	--	581.79	581.79
MW3R-08	3/9/2015	587.87	583.91	568.91	--	6.37	--	--	581.50	581.50
MW3R-08	6/1/2015	587.87	583.91	568.91	--	5.10	--	--	582.77	582.77
MW3R-08	8/5/2015	587.87	583.91	568.91	--	6.15	--	--	581.72	581.72
MW3R-08	1/8/2016	587.87	583.91	568.91	--	5.65	--	--	582.22	582.22
MW3R-08	3/18/2016	587.87	583.91	568.91	--	5.22	--	--	582.65	582.65
MW3R-08	5/26/2016	587.87	583.91	568.91	--	5.87	--	--	582.00	582.00
MW3R-08	8/12/2016	587.87	583.91	568.91	--	7.19	--	--	580.68	580.68
MW3R-08	12/9/2016	587.87	583.91	568.91	--	5.61	--	--	582.26	582.26
MW3R-08	2/27/2017	587.87	583.91	568.91	--	5.20	--	--	582.67	582.67
MW3R-08	6/19/2017	587.87	583.91	568.91	--	5.90	--	--	581.97	581.97
MW3R-08	9/13/2017	587.87	583.91	568.91	--	6.60	--	--	581.27	581.27
MW3R-08	11/16/2017	587.87	583.91	568.91	--	6.50	--	--	581.37	581.37
MW3R-08	3/22/2018	587.87	583.91	568.91	--	5.51	--	--	582.36	582.36
MW3R-08	5/17/2018	587.87	583.91	568.91	--	3.14	--	--	584.73	584.73
MW3R-08	9/19/2018	587.87	583.91	568.91	--	7.24	--	--	580.63	580.63
MW3R-08	11/29/2018	587.87	583.91	568.91	--	4.44	--	--	583.43	583.43
MW3R-08	3/21/2019	587.87	583.91	568.91	--	5.46	--	--	582.41	582.41
MW3R-08	6/5/2019	587.87	583.91	568.91	--	4.38	--	--	583.49	583.49
MW3R-08	9/9/2019	587.87	583.91	568.91	--	6.90	--	--	580.97	580.97
MW3R-08	11/26/2019	587.87	583.91	568.91	--	5.94	--	--	581.93	581.93
MW3R-08	6/4/2020	586.62	583.91	568.91	--	5.20	--	--	581.42	581.42
MW3R-08	9/23/2020	586.62	583.91	568.91	--	4.92	--	--	581.70	581.70
MW3R-08	6/24/2021	586.62	583.91	568.91	--	6.79	--	--	579.83	579.83
MW3R-08	5/18/2022	586.62	583.91	568.91	--	5.55	--	--	581.07	581.07
MW3R-08	6/1/2023	586.62	583.91	568.91	--	6.45	--	--	580.17	580.17

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW4-08	4/24/2013	591.76	588.93	575.93	--	8.78	--	--	582.98	582.98
MW4-08	5/23/2013	591.76	588.93	575.93	--	8.71	--	--	583.05	583.05
MW4-08	6/20/2013	591.76	588.93	575.93	--	8.15	--	--	583.61	583.61
MW4-08	7/25/2013	591.76	588.93	575.93	--	7.47	trace	--	584.29	584.29
MW4-08	8/29/2013	591.76	588.93	575.93	--	9.97	--	--	581.79	581.79
MW4-08	9/27/2013	591.76	588.93	575.93	--	10.21	--	--	581.55	581.55
MW4-08	10/22/2013	591.76	588.93	575.93	--	10.35	--	--	581.41	581.41
MW4-08	11/21/2013	591.76	588.93	575.93	--	11.42	--	--	580.34	580.34
MW4-08	12/11/2013	591.76	588.93	575.93	--	11.00	--	--	580.76	580.76
MW4-08	1/15/2014	591.76	588.93	575.93	--	10.12	--	--	581.64	581.64
MW4-08	2/26/2014	591.76	588.93	575.93	--	9.94	--	--	581.82	581.82
MW4-08	3/25/2014	591.76	588.93	575.93	--	8.84	--	--	582.92	582.92
MW4-08	5/5/2014	591.76	588.93	575.93	--	8.80	--	--	582.96	582.96
MW4-08	9/19/2014	591.76	588.93	575.93	--	7.72	--	--	584.04	584.04
MW4-08	12/11/2014	590.35	588.93	575.93	--	8.81	--	--	581.54	581.54
MW4-08	3/9/2015	590.35	588.93	575.93	--	9.72	--	--	580.63	580.63
MW4-08	6/1/2015	590.35	588.93	575.93	--	8.41	--	--	581.94	581.94
MW4-08	8/5/2015	590.35	588.93	575.93	--	8.82	--	--	581.53	581.53
MW4-08	1/8/2016	590.35	588.93	575.93	--	8.75	--	--	581.60	581.60
MW4-08	3/18/2016	590.35	588.93	575.93	--	7.74	--	--	582.61	582.61
MW4-08	5/26/2016	590.35	588.93	575.93	--	8.05	--	--	582.30	582.30
MW4-08	8/12/2016	590.35	588.93	575.93	--	9.51	--	--	580.84	580.84
MW4-08	12/9/2016	590.35	588.93	575.93	--	8.29	--	--	582.06	582.06
MW4-08	2/27/2017	590.35	588.93	575.93	--	7.87	--	--	582.48	582.48
MW4-08	6/19/2017	590.35	588.93	575.93	--	7.75	--	--	582.60	582.60
MW4-08	9/13/2017	590.35	588.93	575.93	--	8.87	--	--	581.48	581.48
MW4-08	11/16/2017	590.35	588.93	575.93	--	9.00	--	--	581.35	581.35
MW4-08	3/22/2018	590.35	588.93	575.93	--	7.28	--	--	583.07	583.07
MW4-08	5/17/2018	590.35	588.93	575.93	--	5.36	--	--	584.99	584.99
MW4-08	9/19/2018	590.35	588.93	575.93	--	6.13	--	--	584.22	584.22
MW4-08	11/29/2018	590.35	588.93	575.93	(3)	(3)	(3)	(3)	(3)	(3)
MW4-08	3/21/2019	590.35	588.93	575.93	--	7.44	--	--	582.91	582.91
MW4-08	6/5/2019	590.35	588.93	575.93	--	6.17	--	--	584.18	584.18
MW4-08	9/9/2019	590.35	588.93	575.93	--	8.78	--	--	581.57	581.57
MW4-08	11/26/2019	590.35	588.93	575.93	--	8.18	--	--	582.17	582.17
MW4-08	6/4/2020	590.69	588.93	575.93	--	7.03	--	--	583.66	583.66
MW4-08	9/23/2020	590.69	588.93	575.93	--	6.99	--	--	583.70	583.70
MW4-08	6/24/2021	590.69	588.93	575.93	--	8.98	--	--	581.71	581.71
MW4-08	5/18/2022	590.69	588.93	575.93	--	7.54	--	--	583.15	583.15
MW4-08	6/1/2023	590.69	588.93	575.93	--	8.28	--	--	582.41	582.41

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW5-08	4/24/2013	588.26	586.75	578.75	--	1.07	--	--	587.19	587.19
MW5-08	5/23/2013	588.26	586.75	578.75	--	3.51	--	--	584.75	584.75
MW5-08	6/20/2013	588.26	586.75	578.75	--	3.05	--	--	585.21	585.21
MW5-08	7/25/2013	588.26	586.75	578.75	--	0.15	--	--	588.11	588.11
MW5-08	8/29/2013	588.26	586.75	578.75	--	3.75	--	--	584.51	584.51
MW5-08	9/27/2013	588.26	586.75	578.75	--	4.04	--	--	584.22	584.22
MW5-08	10/22/2013	588.26	586.75	578.75	--	4.54	--	--	583.72	583.72
MW5-08	11/21/2013	588.26	586.75	578.75	--	3.61	--	--	584.65	584.65
MW5-08	12/11/2013	588.26	586.75	578.75	--	4.36	--	--	583.90	583.90
MW5-08	1/15/2014	588.26	586.75	578.75	--	0.73	--	--	587.53	587.53
MW5-08	2/26/2014	588.26	586.75	578.75	--	3.00	--	--	585.26	585.26
MW5-08	3/25/2014	588.26	586.75	578.75	--	2.50	--	--	585.76	585.76
MW5-08	5/5/2014	588.26	586.75	578.75	--	3.17	--	--	585.09	585.09
MW5-08	9/19/2014	588.26	586.75	578.75	--	2.71	--	--	585.55	585.55
MW5-08	12/11/2014	587.11	586.75	578.75	--	3.71	--	--	583.40	583.40
MW5-08	3/9/2015	587.11	586.75	578.75	--	0.58	--	--	586.53	586.53
MW5-08	6/1/2015	587.11	586.75	578.75	--	0.70	--	--	586.41	586.41
MW5-08	8/5/2015	587.11	586.75	578.75	--	3.22	--	--	583.89	583.89
MW5-08	1/8/2016	587.11	586.75	578.75	--	3.45	--	--	583.66	583.66
MW5-08	3/18/2016	587.11	586.75	578.75	--	2.69	--	--	584.42	584.42
MW5-08	5/26/2016	587.11	586.75	578.75	--	2.98	--	--	584.13	584.13
MW5-08	8/12/2016	587.11	586.75	578.75	--	4.65	--	--	582.46	582.46
MW5-08	12/9/2016	587.11	586.75	578.75	--	3.21	--	--	583.90	583.90
MW5-08	2/27/2017	587.11	586.75	578.75	--	2.94	--	--	584.17	584.17
MW5-08	6/19/2017	587.11	586.75	578.75	--	3.04	--	--	584.07	584.07
MW5-08	9/13/2017	587.11	586.75	578.75	--	4.12	--	--	582.99	582.99
MW5-08	11/16/2017	587.11	586.75	578.75	--	3.54	--	--	583.57	583.57
MW5-08	3/22/2018	587.11	586.75	578.75	--	2.78	--	--	584.33	584.33
MW5-08	5/17/2018	587.11	586.75	578.75	(1)	(1)	(1)	(1)	(1)	(1)
MW5-08	9/19/2018	587.11	586.75	578.75	--	4.40	--	--	582.71	582.71
MW5-08	11/29/2018	587.11	586.75	578.75	--	1.98	--	--	585.13	585.13
MW5-08	3/21/2019	587.11	586.75	578.75	--	2.40	--	--	584.71	584.71
MW5-08	6/5/2019	587.11	586.75	578.75	--	1.67	--	--	585.44	585.44
MW5-08	9/9/2019	587.11	586.75	578.75	--	4.12	--	--	582.99	582.99
MW5-08	11/26/2019	587.11	586.75	578.75	--	3.13	--	--	583.98	583.98
MW5-08	6/4/2020	587.12	586.75	578.75	--	2.30	--	--	584.82	584.82
MW5-08	9/23/2020	587.12	586.75	578.75	--	2.42	--	--	584.70	584.70
MW5-08	6/24/2021	587.12	586.75	578.75	--	3.79	--	--	583.33	583.33
MW5-08	5/18/2022	587.12	586.75	578.75	--	2.08	--	--	585.04	585.04
MW5-08	6/1/2023	587.12	586.75	578.75	--	3.63	--	--	583.49	583.49

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW6-10	4/24/2013	592.71	587.74	572.74	8.42	11.64	3.22	584.29	581.07	583.97
MW6-10	5/23/2013	592.71	587.74	572.74	9.18	12.55	3.37	583.53	580.16	583.19
MW6-10	6/20/2013	592.71	587.74	572.74	8.63	12.27	3.64	584.08	580.44	583.71
MW6-10	7/25/2013	592.71	587.74	572.74	--	10.09	trace	--	582.62	582.62
MW6-10	8/29/2013	592.71	587.74	572.74	--	11.92	trace	--	580.79	580.79
MW6-10	9/27/2013	592.71	587.74	572.74	10.85	12.57	1.72	581.86	580.14	581.69
MW6-10	10/22/2013	592.71	587.74	572.74	10.89	12.76	1.87	581.82	579.95	581.63
MW6-10	11/21/2013	592.71	587.74	572.74	12.32	12.72	0.40	580.39	579.99	580.35
MW6-10	12/11/2013	592.71	587.74	572.74	12.14	12.15	0.01	580.57	580.56	580.57
MW6-10	1/15/2014	592.71	587.74	572.74	--	12.54	trace	--	580.17	580.17
MW6-10	2/26/2014	592.71	587.74	572.74	10.88	10.95	0.07	581.83	581.76	581.82
MW6-10	3/25/2014	592.71	587.74	572.74	(2)	(2)	0.33 (2)	(2)	(2)	(2)
MW6-10	5/5/2014	592.71	587.74	572.74	(2)	(2)	2.13 (2)	(2)	(2)	(2)
MW6-10	9/19/2014	592.71	587.74	572.74	(2)	(2)	3.65 (2)	(2)	(2)	(2)
MW6-10	12/11/2014	591.56	587.74	572.74	9.54	12.27	2.73	582.02	579.29	581.75
MW6-10	3/9/2015	591.56	587.74	572.74	10.60	12.61	2.01	580.96	578.95	580.76
MW6-10	6/1/2015	591.56	587.74	572.74	9.28	12.00	2.72	582.28	579.56	582.01
MW6-10	8/5/2015	591.56	587.74	572.74	9.29	12.40	3.11	582.27	579.16	581.96
MW6-10	1/8/2016	591.56	587.74	572.74	9.55	12.12	2.57	582.01	579.44	581.75
MW6-10	3/18/2016	591.56	587.74	572.74	8.60	11.87	3.27	582.96	579.69	582.63
MW6-10	5/26/2016	591.56	587.74	572.74	8.68	12.68	4.00	582.88	578.88	582.48
MW6-10	8/12/2016	591.56	587.74	572.74	10.24	13.00	2.76	581.32	578.56	581.04
MW6-10	12/9/2016	591.56	587.74	572.74	8.59	10.05	1.46	582.97	581.51	582.82
MW6-10	2/27/2017	591.56	587.74	572.74	8.56	12.01	3.45	583.00	579.55	582.65
MW6-10	6/19/2017	591.56	587.74	572.74	8.48	13.61	5.13	583.08	577.95	582.57
MW6-10	9/13/2017	591.56	587.74	572.74	9.75	12.15	2.40	581.81	579.41	581.57
MW6-10	11/16/2017	591.56	587.74	572.74	(1)	(1)	(1)	(1)	(1)	(1)
MW6-10	3/22/2018	591.56	587.74	572.74	(1)	(1)	(1)	(1)	(1)	(1)
MW6-10	5/17/2018	591.56	587.74	572.74	--	6.43	--	--	585.13	585.13
MW6-10	9/19/2018	591.56	587.74	572.74	10.04	11.63	1.59	581.52	579.93	581.36
MW6-10	11/29/2018	591.56	587.74	572.74	7.62	8.66	1.04	583.94	582.90	583.83
MW6-10 ⁽⁹⁾	3/21/2019	591.56	587.74	572.74	--	4.20	--	--	--	--
MW6-10	6/5/2019	591.56	587.74	572.74	(1)	(1)	(1)	(1)	(1)	(1)
MW6-10	9/9/2019	591.56	587.74	572.74	9.76	9.77	0.01	581.80	581.79	581.80
MW6-10	11/26/2019	591.56	587.74	572.74	--	9.25	--	--	582.31	582.31
MW6-10	6/4/2020	588.98	587.74	572.74	--	8.07	--	--	580.91	580.91
MW6-10	9/23/2020	588.98	587.74	572.74	--	7.89	--	--	581.09	581.09

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW7-10	4/24/2013	592.21	587.25	572.25	8.25	10.42	2.17	583.96	581.79	583.75
MW7-10	5/23/2013	592.21	587.25	572.25	9.05	10.61	1.56	583.16	581.60	583.01
MW7-10	6/20/2013	592.21	587.25	572.25	8.39	10.55	2.16	583.82	581.66	583.61
MW7-10	7/25/2013	592.21	587.25	572.25	--	10.30	trace	--	581.91	581.91
MW7-10	8/29/2013	592.21	587.25	572.25	--	11.44	trace	--	580.77	580.77
MW7-10	9/27/2013	592.21	587.25	572.25	10.61	11.02	0.41	581.60	581.19	581.56
MW7-10	10/22/2013	592.21	587.25	572.25	10.77	11.15	0.38	581.44	581.06	581.41
MW7-10	11/21/2013	592.21	587.25	572.25	--	11.92	trace	--	580.29	580.29
MW7-10	12/11/2013	592.21	587.25	572.25	--	11.57	trace	--	580.64	580.64
MW7-10	1/15/2014	592.21	587.25	572.25	11.22	11.37	0.15	580.99	580.84	580.98
MW7-10	2/26/2014	592.21	587.25	572.25	10.38	10.41	0.03	581.83	581.80	581.83
MW7-10	3/25/2014	592.21	587.25	572.25	9.36	9.78	0.42	582.85	582.43	582.81
MW7-10	5/5/2014	592.21	587.25	572.25	9.14	10.14	1.00	583.07	582.07	582.97
MW7-10	9/19/2014	592.21	587.25	572.25	7.77	10.98	3.21	584.44	581.23	584.12
MW7-10	12/11/2014	591.01	587.25	572.25	9.00	10.98	1.98	582.01	580.03	581.81
MW7-10	3/9/2015	591.01	587.25	572.25	10.08	11.43	1.35	580.93	579.58	580.80
MW7-10	6/1/2015	591.01	587.25	572.25	8.78	10.40	1.62	582.23	580.61	582.07
MW7-10	8/5/2015	591.01	587.25	572.25	8.83	10.86	2.03	582.18	580.15	581.98
MW7-10	1/8/2016	591.01	587.25	572.25	9.06	10.41	1.35	581.95	580.60	581.82
MW7-10	3/18/2016	591.01	587.25	572.25	8.13	10.07	1.94	582.88	580.94	582.69
MW7-10	5/26/2016	591.01	587.25	572.25	8.21	11.35	3.14	582.80	579.66	582.49
MW7-10	8/12/2016	591.01	587.25	572.25	9.82	11.06	1.24	581.19	579.95	581.07
MW7-10	12/9/2016	591.01	587.25	572.25	9.02	12.07	3.05	581.99	578.94	581.69
MW7-10	2/27/2017	591.01	587.25	572.25	8.10	10.62	2.52	582.91	580.39	582.66
MW7-10	6/19/2017	591.01	587.25	572.25	8.22	11.35	3.13	582.79	579.66	582.48
MW7-10	9/13/2017	591.01	587.25	572.25	9.39	11.61	2.22	581.62	579.40	581.40
MW7-10	11/16/2017	591.01	587.25	572.25	9.65	12.71	3.06	581.36	578.30	581.05
MW7-10	3/22/2018	591.01	587.25	572.25	8.02	10.32	2.30	582.99	580.69	582.76
MW7-10	5/17/2018	591.01	587.25	572.25	5.76	10.03	4.27	585.25	580.98	584.82
MW7-10	9/19/2018	591.01	587.25	572.25	9.75	11.13	1.38	581.26	579.88	581.12
MW7-10	11/29/2018	591.01	587.25	572.25	7.15	10.36	3.21	583.86	580.65	583.54
MW7-10	3/21/2019	591.01	587.25	572.25	7.54	12.98	5.44	583.47	578.03	582.93
MW7-10	6/5/2019	591.01	587.25	572.25	6.38	11.50	5.12	584.63	579.51	584.12
MW7-10	9/9/2019	591.01	587.25	572.25	9.38	10.98	1.60	581.63	580.03	581.47
MW7-10	11/26/2019	591.01	587.25	572.25	8.81	10.78	1.97	582.20	580.23	582.00
MW7-10	6/4/2020	591.35	587.25	572.25	7.37	11.15	3.78	583.98	580.20	583.60
MW7-10	9/23/2020	591.35	587.25	572.25	7.28	11.06	3.78	584.07	580.29	583.69
MW7-10	6/24/2021	591.35	587.25	572.25	8.98	9.18	0.20	582.37	582.17	582.35
MW7-10	5/18/2022	591.35	587.25	572.25	7.80	12.20	4.40	583.55	579.15	583.11
MW7-10	6/1/2023	591.35	587.25	572.25	8.87	9.12	0.25	582.48	582.23	582.46

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW8-10	4/24/2013	592.24	586.37	571.37	--	8.68	--	--	583.56	583.56
MW8-10	5/23/2013	592.24	586.37	571.37	--	9.39	--	--	582.85	582.85
MW8-10	6/20/2013	592.24	586.37	571.37	--	8.74	--	--	583.50	583.50
MW8-10	7/25/2013	592.24	586.37	571.37	--	9.08	--	--	583.16	583.16
MW8-10	8/29/2013	592.24	586.37	571.37	--	11.13	--	--	581.11	581.11
MW8-10	9/27/2013	592.24	586.37	571.37	--	10.82	--	--	581.42	581.42
MW8-10	10/22/2013	592.24	586.37	571.37	--	11.00	--	--	581.24	581.24
MW8-10	11/21/2013	592.24	586.37	571.37	--	12.04	--	--	580.20	580.20
MW8-10	12/11/2013	592.24	586.37	571.37	--	11.67	--	--	580.57	580.57
MW8-10	1/15/2014	592.24	586.37	571.37	--	11.35	--	--	580.89	580.89
MW8-10	2/26/2014	592.24	586.37	571.37	--	10.54	--	--	581.70	581.70
MW8-10	3/25/2014	592.24	586.37	571.37	--	9.51	--	--	582.73	582.73
MW8-10	5/5/2014	592.24	586.37	571.37	--	9.33	--	--	582.91	582.91
MW8-10	9/19/2014	592.24	586.37	571.37	--	8.20	--	--	584.04	584.04
MW8-10	12/11/2014	591.18	586.37	571.37	--	9.27	--	--	581.91	581.91
MW8-10	3/9/2015	591.18	586.37	571.37	--	10.33	--	--	580.85	580.85
MW8-10	6/1/2015	591.18	586.37	571.37	--	9.10	--	--	582.08	582.08
MW8-10	8/5/2015	591.18	586.37	571.37	--	9.10	--	--	582.08	582.08
MW8-10	1/8/2016	591.18	586.37	571.37	--	9.01	--	--	582.17	582.17
MW8-10	3/18/2016	591.18	586.37	571.37	--	8.28	--	--	582.90	582.90
MW8-10	5/26/2016	591.18	586.37	571.37	--	8.54	--	--	582.64	582.64
MW8-10	8/12/2016	591.18	586.37	571.37	--	9.99	--	--	581.19	581.19
MW8-10	12/9/2016	591.18	586.37	571.37	--	8.90	--	--	582.28	582.28
MW8-10	2/27/2017	591.18	586.37	571.37	--	8.42	--	--	582.76	582.76
MW8-10	6/19/2017	591.18	586.37	571.37	--	8.33	--	--	582.85	582.85
MW8-10	9/13/2017	591.18	586.37	571.37	--	9.34	--	--	581.84	581.84
MW8-10	11/16/2017	591.18	586.37	571.37	--	9.56	--	--	581.62	581.62
MW8-10	3/22/2018	591.18	586.37	571.37	--	8.06	--	--	583.12	583.12
MW8-10	5/17/2018	591.18	586.37	571.37	--	6.00	--	--	585.18	585.18
MW8-10	9/19/2018	591.18	586.37	571.37	--	9.73	--	--	581.45	581.45
MW8-10	11/29/2018	591.18	586.37	571.37	--	7.35	--	--	583.83	583.83
MW8-10	3/21/2019	591.18	586.37	571.37	--	7.76	--	--	583.42	583.42
MW8-10	6/5/2019	591.18	586.37	571.37	--	6.67	--	--	584.51	584.51
MW8-10	9/9/2019	591.18	586.37	571.37	--	9.38	--	--	581.80	581.80
MW8-10	11/26/2019	591.18	586.37	571.37	--	8.87	--	--	582.31	582.31
MW8-10	6/4/2020	591.13	586.37	571.37	--	7.55	--	--	583.58	583.58
MW8-10	9/23/2020	591.13	586.37	571.37	--	7.41	--	--	583.72	583.72
MW8-10	6/24/2021	591.13	586.37	571.37	--	9.42	--	--	581.71	581.71
MW8-10	5/18/2022	591.13	586.37	571.37	--	7.96	--	--	583.17	583.17
MW8-10	6/1/2023	591.13	586.37	571.37	--	9.01	--	--	582.12	582.12

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW9-10	4/24/2013	591.79	587.03	572.03	--	8.08	--	--	583.71	583.71
MW9-10	5/23/2013	591.79	587.03	572.03	--	9.20	--	--	582.59	582.59
MW9-10	6/20/2013	591.79	587.03	572.03	--	8.47	--	--	583.32	583.32
MW9-10	7/25/2013	591.79	587.03	572.03	--	7.78	--	--	584.01	584.01
MW9-10	8/29/2013	591.79	587.03	572.03	--	10.09	--	--	581.70	581.70
MW9-10	9/27/2013	591.79	587.03	572.03	--	10.52	--	--	581.27	581.27
MW9-10	10/22/2013	591.79	587.03	572.03	--	11.26	--	--	580.53	580.53
MW9-10	11/21/2013	591.79	587.03	572.03	--	11.35	--	--	580.44	580.44
MW9-10	12/11/2013	591.79	587.03	572.03	--	11.12	--	--	580.67	580.67
MW9-10	1/15/2014	591.79	587.03	572.03	--	9.92	--	--	581.87	581.87
MW9-10	2/26/2014	591.79	587.03	572.03	--	10.08	--	--	581.71	581.71
MW9-10	3/25/2014	591.79	587.03	572.03	--	9.15	--	--	582.64	582.64
MW9-10	5/5/2014	591.79	587.03	572.03	--	9.07	--	--	582.72	582.72
MW9-10	9/19/2014	591.79	587.03	572.03	--	8.09	--	--	583.70	583.70
MW9-10	12/11/2014	590.43	587.03	572.03	--	9.12	--	--	581.31	581.31
MW9-10	3/9/2015	590.43	587.03	572.03	--	9.94	--	--	580.49	580.49
MW9-10	6/1/2015	590.43	587.03	572.03	--	8.39	--	--	582.04	582.04
MW9-10	8/5/2015	590.43	587.03	572.03	--	8.87	--	--	581.56	581.56
MW9-10	1/8/2016	590.43	587.03	572.03	--	9.05	--	--	581.38	581.38
MW9-10	3/18/2016	590.43	587.03	572.03	--	8.11	--	--	582.32	582.32
MW9-10	5/26/2016	590.43	587.03	572.03	--	8.48	--	--	581.95	581.95
MW9-10	8/12/2016	590.43	587.03	572.03	--	9.81	--	--	580.62	580.62
MW9-10	12/9/2016	590.43	587.03	572.03	--	8.71	--	--	581.72	581.72
MW9-10	2/27/2017	590.43	587.03	572.03	--	8.24	--	--	582.19	582.19
MW9-10	6/19/2017	590.43	587.03	572.03	--	8.21	--	--	582.22	582.22
MW9-10	9/13/2017	590.43	587.03	572.03	--	9.22	--	--	581.21	581.21
MW9-10	11/16/2017	590.43	587.03	572.03	--	9.33	--	--	581.10	581.10
MW9-10	3/22/2018	590.43	587.03	572.03	--	7.81	--	--	582.62	582.62
MW9-10	5/17/2018	590.43	587.03	572.03	--	5.77	--	--	584.66	584.66
MW9-10	9/19/2018	590.43	587.03	572.03	--	9.47	--	--	580.96	580.96
MW9-10	11/29/2018	590.43	587.03	572.03	--	7.09	--	--	583.34	583.34
MW9-10	3/21/2019	590.43	587.03	572.03	--	7.75	--	--	582.68	582.68
MW9-10	6/5/2019	590.43	587.03	572.03	--	6.65	--	--	583.78	583.78
MW9-10	9/9/2019	590.43	587.03	572.03	--	9.19	--	--	581.24	581.24
MW9-10	11/26/2019	590.43	587.03	572.03	--	8.56	--	--	581.87	581.87
MW9-10	6/4/2020	590.63	587.03	572.03	--	7.55	--	--	583.08	583.08
MW9-10	9/23/2020	590.63	587.03	572.03	--	7.39	--	--	583.24	583.24
MW9-10	6/24/2021	590.63	587.03	572.03	--	9.37	--	--	581.26	581.26
MW9-10	5/18/2022	590.63	587.03	572.03	--	7.99	--	--	582.64	582.64
MW9-10	6/1/2023	590.63	587.03	572.03	--	8.78	--	--	581.85	581.85

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW10-10	4/24/2013	589.66	585.15	570.15	5.99	6.06	0.07	583.67	583.60	583.66
MW10-10	5/23/2013	589.66	585.15	570.15	7.10	8.04	0.94	582.56	581.62	582.47
MW10-10	6/20/2013	589.66	585.15	570.15	6.31	6.72	0.41	583.35	582.94	583.31
MW10-10	7/25/2013	589.66	585.15	570.15	5.62	6.24	0.62	584.04	583.42	583.98
MW10-10	8/29/2013	589.66	585.15	570.15	7.84	8.88	1.04	581.82	580.78	581.72
MW10-10	9/27/2013	589.66	585.15	570.15	8.42	8.47	0.05	581.24	581.19	581.23
MW10-10	10/22/2013	589.66	585.15	570.15	--	9.89	trace	--	579.77	579.77
MW10-10	11/21/2013	589.66	585.15	570.15	9.07	9.64	0.57	580.59	580.02	580.53
MW10-10	12/11/2013	589.66	585.15	570.15	8.98	9.45	0.47	580.68	580.21	580.63
MW10-10	1/15/2014	589.66	585.15	570.15	7.76	8.11	0.35	581.90	581.55	581.86
MW10-10	2/26/2014	589.66	585.15	570.15	(3)	(3)	(3)	(3)	(3)	(3)
MW10-10	3/25/2014	589.66	585.15	570.15	--	7.07	--	--	582.59	582.59
MW10-10	5/5/2014	589.66	585.15	570.15	--	7.01	--	--	582.65	582.65
MW10-10	9/19/2014	589.66	585.15	570.15	5.95	6.04	0.09	583.71	583.62	583.70
MW10-10	12/11/2014	588.52	585.15	570.15	7.03	7.15	0.12	581.49	581.37	581.48
MW10-10	3/9/2015	588.52	585.15	570.15	7.95	8.50	0.55	580.57	580.02	580.52
MW10-10	6/1/2015	588.52	585.15	570.15	6.03	6.12	0.09	582.49	582.40	582.48
MW10-10	8/5/2015	588.52	585.15	570.15	6.85	7.32	0.47	581.67	581.20	581.63
MW10-10	1/8/2016	588.52	585.15	570.15	6.98	6.98	0.00	581.54	581.54	581.54
MW10-10	3/18/2016	588.52	585.15	570.15	--	5.25	--	--	583.27	583.27
MW10-10	5/26/2016	588.52	585.15	570.15	6.39	6.49	0.10	582.13	582.03	582.12
MW10-10	8/12/2016	588.52	585.15	570.15	7.58	8.41	0.83	580.94	580.11	580.86
MW10-10	12/9/2016	588.52	585.15	570.15	6.63	6.91	0.28	581.89	581.61	581.86
MW10-10	2/27/2017	588.52	585.15	570.15	6.15	6.28	0.13	582.37	582.24	582.36
MW10-10	6/19/2017	588.52	585.15	570.15	6.10	6.79	0.69	582.42	581.73	582.35
MW10-10	9/13/2017	588.52	585.15	570.15	7.02	7.49	0.47	581.50	581.03	581.46
MW10-10	11/16/2017	588.52	585.15	570.15	7.00	7.46	0.46	581.52	581.06	581.48
MW10-10	3/22/2018	588.52	585.15	570.15	5.75	5.88	0.13	582.77	582.64	582.76
MW10-10	5/17/2018	588.52	585.15	570.15	2.60	2.61	0.01	585.92	585.91	585.92
MW10-10	9/19/2018	588.52	585.15	570.15	7.31	8.12	0.81	581.21	580.40	581.13
MW10-10	11/29/2018	588.52	585.15	570.15	--	3.55	--	--	584.97	584.97
MW10-10	3/21/2019	588.52	585.15	570.15	--	4.60	--	--	583.92	583.92
MW10-10	6/5/2019	588.52	585.15	570.15	--	4.60	--	--	583.92	583.92
MW10-10	9/9/2019	588.52	585.15	570.15	7.12	7.22	0.10	581.40	581.30	581.39
MW10-10	11/26/2019	588.52	585.15	570.15	--	4.73	--	--	583.79	583.79
MW10-10	6/4/2020	588.46	585.15	570.15	--	5.44	--	--	583.02	583.02
MW10-10	9/23/2020	588.46	585.15	570.15	--	5.31	--	--	583.15	583.15
MW10-10	6/24/2021	588.46	585.15	570.15	6.31	7.26	0.95	582.15	581.20	582.06
MW10-10	5/18/2022	588.46	585.15	570.15	Trace	5.55	0.01		582.91	582.92
MW10-10	6/1/2023	588.46	585.15	570.15	--	6.73	--		581.73	581.73

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW11-12	4/24/2013	588.15	584.40	574.40	--	1.65	--	--	586.50	586.50
MW11-12	5/23/2013	588.15	584.40	574.40	--	2.13	--	--	586.02	586.02
MW11-12	6/20/2013	588.15	584.40	574.40	--	2.08	--	--	586.07	586.07
MW11-12	7/25/2013	588.15	584.40	574.40	--	0.72	--	--	587.43	587.43
MW11-12	8/29/2013	588.15	584.40	574.40	--	2.82	--	--	585.33	585.33
MW11-12	9/27/2013	588.15	584.40	574.40	--	2.98	--	--	585.17	585.17
MW11-12	10/22/2013	588.15	584.40	574.40	--	3.31	--	--	584.84	584.84
MW11-12	11/21/2013	588.15	584.40	574.40	--	2.22	--	--	585.93	585.93
MW11-12	12/11/2013	588.15	584.40	574.40	--	3.02	--	--	585.13	585.13
MW11-12	1/15/2014	588.15	584.40	574.40	--	1.32	--	--	586.83	586.83
MW11-12	2/26/2014	588.15	584.40	574.40	(3)	(3)	(3)	(3)	(3)	(3)
MW11-12	3/25/2014	588.15	584.40	574.40	--	1.19	--	--	586.96	586.96
MW11-12	5/5/2014	588.15	584.40	574.40	--	2.23	--	--	585.92	585.92
MW11-12	9/19/2014	588.15	584.40	574.40	--	1.75	--	--	586.40	586.40
MW11-12	12/11/2014	587.19	584.40	574.40	--	2.69	--	--	584.50	584.50
MW11-12	3/9/2015	587.19	584.40	574.40	(4)	(4)	(4)	(4)	(4)	(4)
MW11-12	6/1/2015	587.19	584.40	574.40	--	1.00	--	--	586.19	586.19
MW11-12	8/5/2015	587.19	584.40	574.40	--	1.62	--	--	585.57	585.57
MW11-12	1/8/2016	587.19	584.40	574.40	--	2.12	--	--	585.07	585.07
MW11-12	3/18/2016	587.19	584.40	574.40	--	0.93	--	--	586.26	586.26
MW11-12	5/26/2016	587.19	584.40	574.40	--	1.02	--	--	586.17	586.17
MW11-12	8/12/2016	587.19	584.40	574.40	--	3.11	--	--	584.08	584.08
MW11-12	12/9/2016	587.19	584.40	574.40	--	2.12	--	--	585.07	585.07
MW11-12	2/27/2017	587.19	584.40	574.40	--	1.00	--	--	586.19	586.19
MW11-12	6/19/2017	587.19	584.40	574.40	--	1.58	--	--	585.61	585.61
MW11-12	9/13/2017	587.19	584.40	574.40	--	2.76	--	--	584.43	584.43
MW11-12	11/16/2017	587.19	584.40	574.40	--	2.15	--	--	585.04	585.04
MW11-12	3/22/2018	587.19	584.40	574.40	--	1.31	--	--	585.88	585.88
MW11-12	5/17/2018	587.19	584.40	574.40	(1)	(1)	(1)	(1)	(1)	(1)
MW11-12	9/19/2018	587.19	584.40	574.40	--	3.38	--	--	583.81	583.81
MW11-12	11/29/2018	587.19	584.40	574.40	--	0.50	--	--	586.69	586.69
MW11-12 ⁽⁸⁾	3/21/2019	587.19	584.40	574.40	--	1.00	--	--	586.19	586.19
MW11-12	6/5/2019	587.19	584.40	574.40	(10)	(10)	(10)	(10)	(10)	(10)
MW11-12	9/9/2019	587.19	584.40	574.40	--	3.16	--	--	584.03	584.03
MW11-12	11/26/2019	587.19	584.40	574.40	(4)	(4)	(4)	(4)	(4)	(4)
MW11-12	6/4/2020	586.99	584.40	574.40	--	1.24	--	--	585.75	585.75
MW11-12	9/23/2020	586.99	584.40	574.40	--	1.48	--	--	585.51	585.51

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW13-12	4/24/2013	587.95	585.34	569.34	--	4.27	--	--	583.68	583.68
MW13-12	5/23/2013	587.95	585.34	569.34	--	5.21	--	--	582.74	582.74
MW13-12	6/20/2013	587.95	585.34	569.34	--	4.61	--	--	583.34	583.34
MW13-12	7/25/2013	587.95	585.34	569.34	--	3.82	--	--	584.13	584.13
MW13-12	8/29/2013	587.95	585.34	569.34	--	6.05	--	--	581.90	581.90
MW13-12	9/27/2013	587.95	585.34	569.34	--	6.66	--	--	581.29	581.29
MW13-12	10/22/2013	587.95	585.34	569.34	--	7.25	--	--	580.70	580.70
MW13-12	11/21/2013	587.95	585.34	569.34	--	7.31	--	--	580.64	580.64
MW13-12	12/11/2013	587.95	585.34	569.34	--	7.21	--	--	580.74	580.74
MW13-12	1/15/2014	587.95	585.34	569.34	--	5.91	--	--	582.04	582.04
MW13-12	2/26/2014	587.95	585.34	569.34	(3)	(3)	(3)	(3)	(3)	(3)
MW13-12	3/25/2014	587.95	585.34	569.34	--	5.33	--	--	582.62	582.62
MW13-12	5/5/2014	587.95	585.34	569.34	--	5.22	--	--	582.73	582.73
MW13-12	9/19/2014	587.95	585.34	569.34	--	4.14	--	--	583.81	583.81
MW13-12	12/11/2014	586.78	585.34	569.34	--	5.37	--	--	581.41	581.41
MW13-12	3/9/2015	586.78	585.34	569.34	--	6.33	--	--	580.45	580.45
MW13-12	6/1/2015	586.78	585.34	569.34	--	1.41	--	--	585.37	585.37
MW13-12	8/5/2015	586.78	585.34	569.34	--	3.05	--	--	583.73	583.73
MW13-12	1/8/2016	586.78	585.34	569.34	--	4.32	--	--	582.46	582.46
MW13-12	3/18/2016	586.78	585.34	569.34	--	1.10	--	--	585.68	585.68
MW13-12	5/26/2016	586.78	585.34	569.34	--	4.59	--	--	582.19	582.19
MW13-12	8/12/2016	586.78	585.34	569.34	--	5.92	--	--	580.86	580.86
MW13-12	12/9/2016	586.78	585.34	569.34	--	3.11	--	--	583.67	583.67
MW13-12	2/27/2017	586.78	585.34	569.34	--	1.85	--	--	584.93	584.93
MW13-12	6/19/2017	586.78	585.34	569.34	--	4.05	--	--	582.73	582.73
MW13-12	9/13/2017	586.78	585.34	569.34	--	5.31	--	--	581.47	581.47
MW13-12	11/16/2017	586.78	585.34	569.34	(5)	(5)	(5)	(5)	(5)	(5)
MW13-12	3/22/2018	586.78	585.34	569.34	--	3.62	--	--	583.16	583.16
MW13-12	5/17/2018	586.78	585.34	569.34	--	1.47	--	--	585.31	585.31
MW13-12	9/19/2018	586.78	585.34	569.34	--	5.45	--	--	581.33	581.33
MW13-12	11/29/2018	586.78	585.34	569.34	--	2.93	--	--	583.85	583.85
MW13-12	3/21/2019	586.78	585.34	569.34	--	3.56	--	--	583.22	583.22
MW13-12	6/5/2019	586.78	585.34	569.34	--	2.22	--	--	584.56	584.56
MW13-12	9/9/2019	586.78	585.34	569.34	--	4.94	--	--	581.84	581.84
MW13-12	11/26/2019	586.78	585.34	569.34	(5)	(5)	(5)	(5)	(5)	(5)
MW13-12	6/4/2020	586.59	585.34	569.34	--	3.35	--	--	583.24	583.24
MW13-12	9/23/2020	586.59	585.34	569.34	--	3.90	--	--	582.69	582.69
MW13-12	6/24/2021	586.59	585.34	569.34	--	5.02	--	--	581.57	581.57
MW13-12	5/18/2022	586.59	585.34	569.34	--	4.95	--	--	581.64	581.64
MW13-23	6/1/2023	586.44	585.34	569.34	--	4.39	--	--	582.05	582.05

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW14-12	4/24/2013	588.11	585.28	569.28	--	4.42	--	--	583.69	583.69
MW14-12	5/23/2013	588.11	585.28	569.28	--	5.31	--	--	582.80	582.80
MW14-12	6/20/2013	588.11	585.28	569.28	--	4.76	--	--	583.35	583.35
MW14-12	7/25/2013	588.11	585.28	569.28	--	4.20	--	--	583.91	583.91
MW14-12	8/29/2013	588.11	585.28	569.28	--	6.16	--	--	581.95	581.95
MW14-12	9/27/2013	588.11	585.28	569.28	--	6.82	--	--	581.29	581.29
MW14-12	10/22/2013	588.11	585.28	569.28	--	7.33	--	--	580.78	580.78
MW14-12	11/21/2013	588.11	585.28	569.28	--	7.42	--	--	580.69	580.69
MW14-12	12/11/2013	588.11	585.28	569.28	--	7.39	--	--	580.72	580.72
MW14-12	1/15/2014	588.11	585.28	569.28	--	5.23	--	--	582.88	582.88
MW14-12	2/26/2014	588.11	585.28	569.28	(3)	(3)	(3)	(3)	(3)	(3)
MW14-12	3/25/2014	588.11	585.28	569.28	--	5.35	--	--	582.76	582.76
MW14-12	5/5/2014	588.11	585.28	569.28	--	5.22	--	--	582.89	582.89
MW14-12	9/19/2014	588.11	585.28	569.28	--	3.94	--	--	584.17	584.17
MW14-12	12/11/2014	586.81	585.28	569.28	--	5.32	--	--	581.49	581.49
MW14-12	3/9/2015	586.81	585.28	569.28	(4)	(4)	(4)	(4)	(4)	(4)
MW14-12	6/1/2015	586.81	585.28	569.28	--	4.35	--	--	582.46	582.46
MW14-12	8/5/2015	586.81	585.28	569.28	--	4.98	--	--	581.83	581.83
MW14-12	1/8/2016	586.81	585.28	569.28	--	4.67	--	--	582.14	582.14
MW14-12	3/18/2016	586.81	585.28	569.28	--	3.40	--	--	583.41	583.41
MW14-12	5/26/2016	586.81	585.28	569.28	--	3.90	--	--	582.91	582.91
MW14-12	8/12/2016	586.81	585.28	569.28	--	5.88	--	--	580.93	580.93
MW14-12	12/9/2016	586.81	585.28	569.28	--	4.78	--	--	582.03	582.03
MW14-12	2/27/2017	586.81	585.28	569.28	--	3.60	--	--	583.21	583.21
MW14-12	6/19/2017	586.81	585.28	569.28	--	3.58	--	--	583.23	583.23
MW14-12	9/13/2017	586.81	585.28	569.28	--	5.32	--	--	581.49	581.49
MW14-12	11/16/2017	586.81	585.28	569.28	--	5.45	--	--	581.36	581.36
MW14-12	3/22/2018	586.81	585.28	569.28	--	3.42	--	--	583.39	583.39
MW14-12	5/17/2018	586.81	585.28	569.28	--	2.11	--	--	584.70	584.70
MW14-12	9/19/2018	586.81	585.28	569.28	--	5.50	--	--	581.31	581.31
MW14-12	11/29/2018	586.81	585.28	569.28	(6)	(6)	(6)	(6)	(6)	(6)
MW14-12	3/21/2019	586.81	585.28	569.28	(5)	(5)	(5)	(5)	(5)	(5)
MW14-12	6/5/2019	586.81	585.28	569.28	--	2.25	--	--	584.56	584.56
MW14-12	9/9/2019	586.81	585.28	569.28	--	5.05	--	--	581.76	581.76
MW14-12	11/26/2019	586.81	585.28	569.28	(5)	(5)	(5)	(5)	(5)	(5)
MW14-12	6/4/2020	586.82	585.28	569.28	--	3.12	--	--	583.70	583.70
MW14-12	9/23/2020	586.82	585.28	569.28	--	3.05	--	--	583.77	583.77
MW14-12	6/24/2021	586.82	585.28	569.28	--	5.14	--	--	581.68	581.68
MW14-12	5/18/2022	586.82	585.28	569.28	(13)	(13)			599.82	599.82
MW14-12	6/1/2023	586.82	585.28	569.28	--	4.16			582.66	582.66

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW15-12	4/24/2013	588.75	582.04	570.04	--	6.90	--	--	581.85	581.85
MW15-12	5/23/2013	588.75	582.04	570.04	--	3.87	--	--	584.88	584.88
MW15-12	6/20/2013	588.75	582.04	570.04	--	4.32	--	--	584.43	584.43
MW15-12	7/25/2013	588.75	582.04	570.04	--	3.71	--	--	585.04	585.04
MW15-12	8/29/2013	588.75	582.04	570.04	--	4.34	--	--	584.41	584.41
MW15-12	9/27/2013	588.75	582.04	570.04	--	5.26	--	--	583.49	583.49
MW15-12	10/22/2013	588.75	582.04	570.04	--	5.67	--	--	583.08	583.08
MW15-12	11/21/2013	588.75	582.04	570.04	--	6.17	--	--	582.58	582.58
MW15-12	12/11/2013	588.75	582.04	570.04	--	6.41	--	--	582.34	582.34
MW15-12	1/15/2014	588.75	582.04	570.04	--	5.98	--	--	582.77	582.77
MW15-12	2/26/2014	588.75	582.04	570.04	(3)	(3)	(3)	(3)	(3)	(3)
MW15-12	3/25/2014	588.75	582.04	570.04	--	5.48	--	--	583.27	583.27
MW15-12	5/5/2014	588.75	582.04	570.04	--	5.11	--	--	583.64	583.64
MW15-12	9/19/2014	588.75	582.04	570.04	--	3.97	--	--	584.78	584.78
MW15-12	12/11/2014	587.26	582.04	570.04	--	4.67	--	--	582.59	582.59
MW15-12	3/9/2015	587.26	582.04	570.04	(4)	(4)	(4)	(4)	(4)	(4)
MW15-12	6/1/2015	587.26	582.04	570.04	--	4.61	--	--	582.65	582.65
MW15-12	8/5/2015	587.26	582.04	570.04	--	4.60	--	--	582.66	582.66
MW15-12	1/8/2016	587.26	582.04	570.04	--	4.92	--	--	582.34	582.34
MW15-12	3/18/2016	587.26	582.04	570.04	--	3.98	--	--	583.28	583.28
MW15-12	5/26/2016	587.26	582.04	570.04	--	3.59	--	--	583.67	583.67
MW15-12	8/12/2016	587.26	582.04	570.04	--	5.10	--	--	582.16	582.16
MW15-12	12/9/2016	587.26	582.04	570.04	--	3.81	--	--	583.45	583.45
MW15-12	2/27/2017	587.26	582.04	570.04	--	3.55	--	--	583.71	583.71
MW15-12	6/19/2017	587.26	582.04	570.04	--	3.32	--	--	583.94	583.94
MW15-12	9/13/2017	587.26	582.04	570.04	--	4.47	--	--	582.79	582.79
MW15-12	11/16/2017	587.26	582.04	570.04	--	4.98	--	--	582.28	582.28
MW15-12	3/22/2018	587.26	582.04	570.04	--	3.33	--	--	583.93	583.93
MW15-12	5/17/2018	587.26	582.04	570.04	--	2.22	--	--	585.04	585.04
MW15-12	9/19/2018	587.26	582.04	570.04	--	4.44	--	--	582.82	582.82
MW15-12	11/29/2018	587.26	582.04	570.04	--	2.93	--	--	584.33	584.33
MW15-12	3/21/2019	587.26	582.04	570.04	(5)	(5)	(5)	(5)	(5)	(5)
MW15-12	6/5/2019	587.26	582.04	570.04	--	2.87	--	--	584.39	584.39
MW15-12	9/9/2019	587.26	582.04	570.04	--	4.21	--	--	583.05	583.05
MW15-12	11/26/2019	587.26	582.04	570.04	--	3.82	--	--	583.44	583.44
MW15-12	6/4/2020	587.38	582.04	570.04	--	3.10	--	--	584.28	584.28
MW15-12	9/23/2020	587.38	582.04	570.04	--	2.84	--	--	584.54	584.54
MW15-12	6/24/2021	587.38	582.04	570.04	--	4.70	--	--	582.68	582.68
MW15-12	5/18/2022	587.38	582.04	570.04	(13)	(13)			600.38	600.38
MW15-12	6/1/2023	587.38	582.04	570.04	--	3.60			583.78	583.78

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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
MW16-12	4/24/2013	587.87	584.20	574.20	--	2.57	--	--	585.30	585.30
MW16-12	5/23/2013	587.87	584.20	574.20	--	2.91	--	--	584.96	584.96
MW16-12	6/20/2013	587.87	584.20	574.20	--	2.39	--	--	585.48	585.48
MW16-12	7/25/2013	587.87	584.20	574.20	--	1.53	--	--	586.34	586.34
MW16-12	8/29/2013	587.87	584.20	574.20	--	2.41	--	--	585.46	585.46
MW16-12	9/27/2013	587.87	584.20	574.20	--	3.24	--	--	584.63	584.63
MW16-12	10/22/2013	587.87	584.20	574.20	--	3.78	--	--	584.09	584.09
MW16-12	11/21/2013	587.87	584.20	574.20	--	4.16	--	--	583.71	583.71
MW16-12	12/11/2013	587.87	584.20	574.20	--	4.20	--	--	583.67	583.67
MW16-12	1/15/2014	587.87	584.20	574.20	--	1.26	--	--	586.61	586.61
MW16-12	2/26/2014	587.87	584.20	574.20	--	3.27	--	--	584.60	584.60
MW16-12	3/25/2014	587.87	584.20	574.20	--	3.01	--	--	584.86	584.86
MW16-12	5/5/2014	587.87	584.20	574.20	--	2.53	--	--	585.34	585.34
MW16-12	9/19/2014	587.87	584.20	574.20	--	2.25	--	--	585.62	585.62
MW16-12	12/11/2014	586.67	584.20	574.20	--	2.70	--	--	583.97	583.97
MW16-12	3/9/2015	586.67	584.20	574.20	(4)	(4)	(4)	(4)	(4)	(4)
MW16-12	6/1/2015	586.67	584.20	574.20	--	1.91	--	--	584.76	584.76
MW16-12	8/5/2015	586.67	584.20	574.20	--	2.89	--	--	583.78	583.78
MW16-12	1/8/2016	586.67	584.20	574.20	--	4.43	--	--	582.24	582.24
MW16-12	3/18/2016	586.67	584.20	574.20	--	2.96	--	--	583.71	583.71
MW16-12	5/26/2016	586.67	584.20	574.20	--	2.53	--	--	584.14	584.14
MW16-12	8/12/2016	586.67	584.20	574.20	--	4.44	--	--	582.23	582.23
MW16-12	12/9/2016	586.67	584.20	574.20	--	2.67	--	--	584.00	584.00
MW16-12	2/27/2017	586.67	584.20	574.20	--	1.84	--	--	584.83	584.83
MW16-12	6/19/2017	586.67	584.20	574.20	--	1.81	--	--	584.86	584.86
MW16-12	9/13/2017	586.67	584.20	574.20	--	4.12	--	--	582.55	582.55
MW16-12	11/16/2017	586.67	584.20	574.20	--	5.09	--	--	581.58	581.58
MW16-12	3/22/2018	586.67	584.20	574.20	--	2.52	--	--	584.15	584.15
MW16-12	5/17/2018	586.67	584.20	574.20	--	1.57	--	--	585.10	585.10
MW16-12	9/19/2018	586.67	584.20	574.20	--	4.56	--	--	582.11	582.11
MW16-12	11/29/2018	586.67	584.20	574.20	--	2.00	--	--	584.67	584.67
MW16-12	3/21/2019	586.67	584.20	574.20	--	1.36	--	--	585.31	585.31
MW16-12	6/5/2019	586.67	584.20	574.20	--	1.31	--	--	585.36	585.36
MW16-12	9/9/2019	586.67	584.20	574.20	--	4.33	--	--	582.34	582.34
MW16-12	11/26/2019	586.67	584.20	574.20	--	3.05	--	--	583.62	583.62
MW16-12	6/4/2020	586.88	584.20	574.20	--	1.97	--	--	584.91	584.91
MW16-12	9/23/2020	586.88	584.20	574.20	--	3.45	--	--	583.43	583.43

Table 1

**Hydraulic Measurements
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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
TW-1	4/24/2013	592.43	588.49	572.49	--	8.53	--	--	583.90	583.90
TW-1	5/23/2013	592.43	588.49	572.49	9.35	9.35	trace	583.08	583.08	583.08
TW-1	6/20/2013	592.43	588.49	572.49	8.85	8.85	trace	583.58	583.58	583.58
TW-1	7/25/2013	592.43	588.49	572.49	8.77	8.81	0.04	583.66	583.62	583.66
TW-1	8/29/2013	592.43	588.49	572.49	--	11.43	--	--	581.00	581.00
TW-1	9/27/2013	592.43	588.49	572.49	10.84	10.87	0.03	581.59	581.56	581.59
TW-1	10/22/2013	592.43	588.49	572.49	10.93	10.98	0.05	581.50	581.45	581.50
TW-1	11/21/2013	592.43	588.49	572.49	--	12.20	--	--	580.23	580.23
TW-1	12/11/2013	592.43	588.49	572.49	--	11.91	trace	--	580.52	580.52
TW-1	1/15/2014	592.43	588.49	572.49	--	11.86	trace	--	580.57	580.57
TW-1	2/26/2014	592.43	588.49	572.49	--	10.67	trace	--	581.76	581.76
TW-1	3/25/2014	592.43	588.49	572.49	(2)	(2)	trace (2)	(2)	(2)	(2)
TW-1	5/5/2014	592.43	588.49	572.49	(2)	(2)	trace (2)	(2)	(2)	(2)
TW-1	9/19/2014	592.43	588.49	572.49	--	8.28	trace	--	584.15	584.15
TW-1	12/11/2014	591.22	588.49	572.49	--	9.41	trace	--	581.81	581.81
TW-1	3/9/2015	591.22	588.49	572.49	10.38	10.39	0.01	580.84	580.83	580.84
TW-1	6/1/2015	591.22	588.49	572.49	9.13	9.14	0.01	582.09	582.08	582.09
TW-1	8/5/2015	591.22	588.49	572.49	9.20	9.21	0.01	582.02	582.01	582.02
TW-1	1/8/2016	591.22	588.49	572.49	9.36	9.36	0.00	581.86	581.86	581.86
TW-1	3/18/2016	591.22	588.49	572.49	8.45	8.46	0.01	582.77	582.76	582.77
TW-1	5/26/2016	591.22	588.49	572.49	8.65	8.67	0.02	582.57	582.55	582.57
TW-1	8/12/2016	591.22	588.49	572.49	10.11	10.11	0.00	581.11	581.11	581.11
TW-1	12/9/2016	591.22	588.49	572.49	--	8.82	trace	--	582.40	582.40
TW-1	2/27/2017	591.22	588.49	572.49	8.47	8.50	0.03	582.75	582.72	582.75
TW-1	6/19/2017	591.22	588.49	572.49	8.39	8.44	0.05	582.83	582.78	582.82
TW-1	9/13/2017	591.22	588.49	572.49	9.46	9.54	0.08	581.76	581.68	581.75
TW-1	11/16/2017	591.22	588.49	572.49	9.70	9.75	0.05	581.52	581.47	581.51
TW-1	3/22/2018	591.22	588.49	572.49	7.38	8.00	0.62	583.84	583.22	583.78
TW-1	5/17/2018	591.22	588.49	572.49	6.05	6.20	0.15	585.17	585.02	585.15
TW-1	9/19/2018	591.22	588.49	572.49	9.70	14.54	4.84	581.52	576.68	581.04
TW-1 ⁽⁷⁾	11/29/2018	591.22	588.49	572.49	7.23	7.38	0.15	583.99	583.84	583.97
TW-1 ⁽⁸⁾	3/21/2019	591.22	588.49	572.49	5.99	7.05	1.06	--	--	--
TW-1 ⁽⁹⁾	6/5/2019	591.22	588.49	572.49	6.79	7.90	1.11	--	583.32	584.32
TW-1	9/9/2019	591.22	588.49	572.49	9.48	9.71	0.23	581.74	581.51	581.72
TW-1	11/26/2019	591.22	588.49	572.49	8.87	9.19	0.32	582.35	582.03	582.32
TW-1	6/4/2020	591.31	588.49	572.49	7.56	8.89	1.33	583.75	582.42	583.62
TW-1	9/23/2020	591.31	588.49	572.49	7.49	7.97	0.48	583.82	583.34	583.77

**Hydraulic Measurements
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Dearborn, Michigan**

Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
TW-2	4/24/2013	592.20	588.64	572.64	7.87	8.36	0.49	584.33	583.84	584.28
TW-2	5/23/2013	592.20	588.64	572.64	9.36	9.65	0.29	582.84	582.55	582.81
TW-2	6/20/2013	592.20	588.64	572.64	8.56	9.01	0.45	583.64	583.19	583.59
TW-2	7/25/2013	592.20	588.64	572.64	--	11.80	trace	--	580.40	580.40
TW-2	8/29/2013	592.20	588.64	572.64	--	10.36	--	--	581.84	581.84
TW-2	9/27/2013	592.20	588.64	572.64	10.79	10.83	0.04	581.41	581.37	581.40
TW-2	10/22/2013	592.20	588.64	572.64	10.95	11.01	0.06	581.25	581.19	581.24
TW-2	11/21/2013	592.20	588.64	572.64	--	11.67	trace	--	580.53	580.53
TW-2	12/11/2013	592.20	588.64	572.64	11.35	11.44	0.09	580.85	580.76	580.84
TW-2	1/15/2014	592.20	588.64	572.64	10.23	10.28	0.05	581.97	581.92	581.96
TW-2	2/26/2014	592.20	588.64	572.64	10.38	10.39	0.01	581.82	581.81	581.82
TW-2	3/25/2014	592.20	588.64	572.64	9.43	9.44	0.01	582.77	582.76	582.77
TW-2	5/5/2014	592.20	588.64	572.64	9.32	9.53	0.21	582.88	582.67	582.86
TW-2	9/19/2014	592.20	588.64	572.64	8.18	9.01	0.83	584.02	583.19	583.93
TW-2	12/11/2014	590.92	588.64	572.64	9.30	9.91	0.61	581.62	581.01	581.56
TW-2	3/9/2015	590.92	588.64	572.64	10.20	10.67	0.47	580.72	580.25	580.67
TW-2	6/1/2015	590.92	588.64	572.64	8.66	8.90	0.24	582.26	582.02	582.23
TW-2	8/5/2015	590.92	588.64	572.64	9.07	9.38	0.31	581.85	581.54	581.82
TW-2	1/8/2016	590.92	588.64	572.64	9.28	9.28	0.00	581.64	581.64	581.64
TW-2	3/18/2016	590.92	588.64	572.64	8.15	8.17	0.02	582.77	582.75	582.77
TW-2	5/26/2016	590.92	588.64	572.64	8.59	8.62	0.03	582.33	582.30	582.32
TW-2	8/12/2016	590.92	588.64	572.64	9.99	10.41	0.42	580.93	580.51	580.89
TW-2	12/9/2016	590.92	588.64	572.64	8.88	8.89	0.01	582.04	582.03	582.04
TW-2	2/27/2017	590.92	588.64	572.64	8.21	8.39	0.18	582.71	582.53	582.69
TW-2	6/19/2017	590.92	588.64	572.64	8.32	8.50	0.18	582.60	582.42	582.58
TW-2	9/13/2017	590.92	588.64	572.64	9.33	9.90	0.57	581.59	581.02	581.53
TW-2	11/16/2017	590.92	588.64	572.64	9.50	9.66	0.16	581.42	581.26	581.40
TW-2	3/22/2018	590.92	588.64	572.64	7.60	7.89	0.29	583.32	583.03	583.29
TW-2	5/17/2018	590.92	588.64	572.64	5.85	6.14	0.29	585.07	584.78	585.04
TW-2	9/19/2018	590.92	588.64	572.64	9.61	9.93	0.32	581.31	580.99	581.28
TW-2	11/29/2018	590.92	588.64	572.64	(3)	(3)	(3)	(3)	(3)	(3)
TW-2	3/21/2019	590.92	588.64	572.64	7.33	7.90	0.57	583.59	583.02	583.53
TW-2	6/5/2019	590.92	588.64	572.64	6.70	6.91	0.21	584.22	584.01	584.20
TW-2	9/9/2019	590.92	588.64	572.64	9.43	9.44	0.01	581.49	581.48	581.49
TW-2	11/26/2019	590.92	588.64	572.64	8.52	8.73	0.21	582.40	582.19	582.38
TW-2	6/4/2020	590.98	588.64	572.64	7.41	7.43	0.02	583.57	583.55	583.57
TW-2	9/23/2020	590.98	588.64	572.64	7.22	7.48	0.26	583.76	583.50	583.73

**Hydraulic Measurements
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Well I.D.	Date	TOC Elevation (ft amsl)	Top of Screen (ft amsl) ⁽¹¹⁾	Bottom of Screen (ft amsl) ⁽¹¹⁾	DTP (ft BTOC)	DTW (ft BTOC)	LNAPL Thickness (ft)	Top of LNAPL Elevation (ft amsl)	Bottom of LNAPL/ Groundwater Elevation (ft amsl)	Corrected GW Elevation (ft amsl)
EX-34	5/5/2014	--	--	--	--	8.11	--	--	--	--
EX-34	9/19/2014	--	--	--	--	7.09	--	--	--	--
EX-34	12/11/2014	--	--	--	--	8.15	--	--	--	--
EX-34	3/9/2015	--	--	--	--	9.00	--	--	--	--
EX-34	6/1/2015	--	--	--	--	7.39	--	--	--	--
EX-34	6/12/2015	--	--	--	--	7.75	--	--	--	--
EX-34	8/5/2015	--	--	--	--	8.02	--	--	--	--
EX-34	1/8/2016	--	--	--	--	8.11	--	--	--	--
EX-34	3/18/2016	--	--	--	--	7.15	--	--	--	--
EX-34	5/26/2016	--	--	--	--	7.52	--	--	--	--
EX-34	8/12/2016	--	--	--	--	8.82	--	--	--	--
EX-34	6/19/2017	--	--	--	--	7.77	--	--	--	--
EX-34	9/13/2017	--	--	--	--	8.26	--	--	--	--
EX-34	11/16/2017	--	--	--	--	8.50	--	--	--	--
EX-34	3/22/2018	--	--	--	--	6.87	--	--	--	--
EX-34	9/19/2018	--	--	--	--	8.50	--	--	--	--
EX-34	11/29/2018	--	--	--	--	6.16	--	--	--	--
EX-34	3/21/2019	--	--	--	--	6.81	--	--	--	--
EX-34	6/5/2019	--	--	--	--	5.93	--	--	--	--
EX-34	9/9/2019	--	--	--	--	8.24	--	--	--	--
EX-34	11/26/2019	--	--	--	--	7.66	--	--	--	--
EX-34	6/4/2020	--	--	--	--	6.56	--	--	--	--
EX-34	9/23/2020	--	--	--	--	6.44	--	--	--	--
EX-34	6/24/2021	--	--	--	--	8.42	--	--	--	--
EX-34	5/18/2022	--	--	--	--	7.09	--	--	--	--
EX-34	6/1/2023	590.72	--	--	--	7.83	--	--	582.89	582.89

Notes:

- (2) The measuring point elevation (top of casing) needs to be re-verified
- (3) Unable to access due to snow and ice
- (4) Unable to measure level - area flooded
- (5) Full with water
- (6) Unable to access due to obstructing object
- (7) Depth to water measured from ground surface. Stick up length was added
- (8) Water level is estimated, water level is too high to obtain an accurate measurement
- (9) Depth to water/LNAPL was measured from bottom of riser due to damage
- (10) Debris present. Unable to locate
- (11) Screen locations were obtained from the Construction Certification Report, Removal Action Implementation, March 2013
- (12) Screen depth is above the water table.
- (13) Could not access due to piles covering well

Table 2
LNAPL Thickness (Feet) Observations
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Well ID	EX-34	MW1-08	MW2-08	MW3R-08	MW4-08	MW5-08	MW7-10	MW8-10	MW9-10	MW10-10	MW13-23 ⁽⁹⁾	MW14-12	MW15-12	Number of Location With Measurable LNAPL Present	Minimum LNAPL Present	Maximum LNAPL Present
April 24, 2013	--	--	--	trace	--	--	2.17	--	--	0.07	--	--	--	2	--	2.17
May 23, 2013	--	--	--	trace	--	--	1.56	--	--	0.94	--	--	--	2	--	1.56
June 20, 2013	--	--	--	--	--	--	2.16	--	--	0.41	--	--	--	2	--	2.16
July 25, 2013	--	--	--	trace	trace	--	trace	--	--	0.62	--	--	--	1	--	0.62
August 29, 2013	--	--	--	trace	--	--	trace	--	--	1.04	--	--	--	1	--	1.04
September 27, 2013	--	--	--	--	--	--	0.41	--	--	0.05	--	--	--	2	--	0.41
October 22, 2013	--	--	--	trace	--	--	0.38	--	--	trace	--	--	--	1	--	0.38
November 21, 2013	--	--	--	trace	--	--	trace	--	--	0.57	--	--	--	1	--	0.57
December 11, 2013	--	--	--	trace	--	--	trace	--	--	0.47	--	--	--	1	--	0.47
January 15, 2014	--	--	--	--	--	--	0.15	--	--	0.35	--	--	--	2	--	0.35
February 26, 2014	--	--	--	--	--	--	0.03	--	--	--	--	--	--	1	--	0.03
March 25, 2014	--	--	--	--	--	--	0.42	--	--	--	--	--	--	1	--	0.42
May 5, 2014	--	--	(1)	--	--	--	1	--	--	--	--	--	--	1	--	1
September 19, 2014	--	--	--	--	--	--	3.21	--	--	0.09	--	--	--	2	--	3.21
December 11, 2014	--	--	--	trace	--	--	1.98	--	--	0.12	--	--	--	2	--	1.98
March 9, 2015	--	--	--	--	--	--	1.35	--	--	0.55	--	(2)	(2)	2	--	1.35
June 1, 2015	--	--	--	--	--	--	1.62	--	--	0.09	--	--	--	2	--	1.62
August 5, 2015	--	--	--	--	--	--	2.03	--	--	0.47	--	--	--	2	--	2.03
January 8, 2016	--	--	--	--	--	--	1.35	--	--	trace	--	--	--	1	--	1.35
March 18, 2016	--	--	--	--	--	--	1.94	--	--	--	--	--	--	1	--	1.94
May 26, 2016	--	--	--	--	--	--	3.14	--	--	0.1	--	--	--	2	--	3.14
August 12, 2016	--	--	--	--	--	--	1.24	--	--	0.83	--	--	--	2	--	1.24
December 9, 2016	--	--	--	--	--	--	3.05	--	--	0.28	--	--	--	2	--	3.05
February 27, 2017	--	--	--	--	--	--	2.52	--	--	0.13	--	--	--	2	--	2.52
June 19, 2017	--	--	--	--	--	--	3.13	--	--	0.69	--	--	--	2	--	3.13
September 13, 2017	--	--	--	--	--	--	2.22	--	--	0.47	--	--	--	2	--	2.22
November 16, 2017	--	--	--	--	--	--	3.06	--	--	0.46	(3)	--	--	2	--	3.06
March 22, 2018	--	--	--	--	--	--	2.3	--	--	0.13	--	--	--	2	--	2.3
May 17, 2018	--	--	--	--	--	--	4.27	--	--	0.01	--	--	--	2	--	4.27
September 19, 2018	--	--	--	--	--	--	1.38	--	--	0.81	--	--	--	2	--	1.38
November 29, 2018	--	--	--	--	(4)	--	3.21	--	--	--	--	(5)	--	1	--	3.21
March 21, 2019	--	--	--	--	(3)	--	5.44	--	--	--	--	--	--	1	--	5.44
June 5, 2019	--	--	--	--	--	--	5.12	--	--	--	--	--	--	1	--	5.12
September 9, 2019	--	--	--	--	--	--	1.6	--	--	0.1	--	--	--	2	--	1.6
November 26, 2019	--	--	--	--	--	--	1.97	--	--	--	(3)	(3)	--	1	--	1.97
June 4, 2020	--	--	--	--	--	--	3.78	--	--	--	--	--	--	1	3.78	3.78
June 30, 2020	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	0	0	0
September 23, 2020	--	--	--	--	--	--	3.78	--	--	--	--	--	--	1	3.78	3.78
June 24, 2021	--	--	--	--	--	--	0.20	--	--	0.95	--	--	--	2	0.2	0.95
May 18, 2022	--	--	--	--	--	--	4.40	--	--	--	--	--	--	1	4.4	4.4
June 1, 2023	--	--	--	--	--	--	0.25	--	--	--	--	--	--	1	0.25	0.25

Notes:
LNAPL Light Non-Aqueous Phase Liquid
-- LNAPL not present
trace Trace LNAPL present on oil/water interface probe
NM Not measured
(1) Well damaged just below ground surface. Unable to collect levels.
(2) Unable to measure level - area flooded.
(3) Water present. Unable to collect accurate reading.
(4) Unable to access due to snow and ice
(5) Unable to access due to obstructing object
(6) Unable to locate
(7) Unable to obtain reading
(8) Suspect reading determined to be erroneous. Error is likely due to LNAPL coating oil/water interface probe. Additional reading was collected on June 30, 2020 to evaluate result.
(9) MW-13-23 installed on 5/2/23 to replace MW-13-12 that was destroyed

Pressure Measurements
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Gas Probe ID	GP1-12 (inches H ₂ O)	GP2-12 (inches H ₂ O)	GP3-12 (inches H ₂ O)	GP4-12 (inches H ₂ O)	GP5-12 (inches H ₂ O)	GP6-12 (inches H ₂ O)	GP7-12 (inches H ₂ O)	GP8-12 (inches H ₂ O)
4/24/2013	-10.38	0.00	0.00	-0.59	15.10	-41.00	0.68	0.44
5/23/2013	-0.50	0.00	0.00	-0.14	0.96	-1.39	0.00	-9.50
6/20/2013	-0.13	0.00	0.00	0.82	13.70	0.00	0.50	0.00
7/25/2013	0.00	0.00	0.00	-4.29	2.68	-0.94	0.00	0.00
8/29/2013	0.00	0.00	0.00	0.00	3.13	-5.10	0.00	0.11
9/27/2013	0.00	0.00	0.00	-0.52	0.00	1.69	0.00	-5.63
10/22/2013	0.00	0.00	0.00	-0.19	0.00	-8.56	0.00	0.00
11/20/2013	0.00	0.00	0.00	0.00	0.00	-0.47	0.00	0.00
12/11/2013	0.00	0.00	0.00	-5.60	0.00	0.00	0.00	-5.60
1/15/2014	-0.19	(1)	0.00	-0.61	-3.42	(2)	6.10	0.38
2/26/2014	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
3/24/2014	17.70	0.00	0.85	-4.54	-3.26	(3)	-5.75	0.00
5/5/2014	-3.53	0.00	0.00	-2.23	-3.01	-5.78	0.63	-0.48
8/15/2014	0.51	0.00	-0.66	-0.21	-2.83	-3.33	-1.02	0.00
9/19/2014	0.00	0.00	0.14	-1.72	-0.82	-1.09	-0.67	0.00
12/11/2014	0.00	4.45	-1.82	-6.18	0.00	-2.60	0.00	-4.46
3/9/2015	-0.02	0.00	-1.25	-3.8 ⁽⁴⁾	-2.00	0.00	0.11	-2.00
6/1/2015	-0.09	0.00	0.00	0.44	-3.30	-5.71	0.50	0.18
8/5/2015	0.00	0.00	0.00	0.00	0.00	-0.32	0.00	-0.50
11/30/2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.04
1/8/2016	0.00	0.00	-0.22	-0.33	0.26	-2.78	0.00	2.20
3/18/2016	0.01	-0.02	-0.43	-0.42	-0.05	-2.00	0.00	0.12
5/26/2016	0.00	0.00	-0.34	-0.26	0.00	-8.15	0.00	-0.77
8/12/2016	0.00	0.00	0.33	0.25	0.00	0.02	0.00	-0.21
12/9/2016	0.00	0.00	-0.44	-0.16	0.00	-2.38	0.00	-6.66
2/27/2017	0.00	0.00	-3.40	0.00	-1.74	4.24	0.00	-0.15
6/19/2017	-0.05	0.01	0.14	-0.19	-1.50	-1.37	0.02	-0.32
9/13/2017	0.00	0.00	0.90	0.00	0.00	0.00	0.00	0.00
11/16/2017	0.01	0.01	0.01	0.01	0.00	-0.02	-0.01	0.01
3/22/2018	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00
5/17/2018	0.03	0.01	0.00	0.01	0.00	--	0.02	0.01
9/17/2018	0.01	0.00	0.03	-0.01	-0.01	0.01	0.00	-0.05
9/19/2018	0.00	0.00	0.38	0.00	0.00	0.00	-0.04	(3)
11/29/2018	0.00	0.00	1.70	0.38	0.04	(3)	(5)	1.98
3/21/2019	0.44	0.02	0.38	0.12	0.15	(5)	0.02	-0.10
6/5/2019	--	--	(5)	(5)	--	(6)	(5)	(5)
9/6/2019	0.00	0.00	0.08	-0.30	-0.01	-0.54	0.00	(7)
9/9/2019	0.00	0.00	0.05	0.00	-0.15	0.01	0.00	-0.27
11/26/2019	0.00	0.00	-0.30	3.73	-0.20	-1.00	0.00	-0.20
6/4/2020	-0.01	0.00	0.26	0.58	0.22	0.36	0.13	-0.18
9/23/2020	-0.01	0.03	0.20	0.16	0.00	-0.34	0.00	0.10
6/24/2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5/18/2022	0.01	0.00	-0.34	0.00	0.00	-0.04	0.04	0.02
6/1/2023	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10/10/2023	0.00	0.00	(5)	0.00	0.00	0.00	0.00	0.00

Notes:

Pressure measurements in inches of water column (H₂O)

Pressure measurements collected using a digital manometer

- (1) Unable to locate due to snow and ice
- (2) Unable to access due to ice
- (3) Flooded. Unable to collect reading
- (4) Valve was open before collecting reading
- (5) Water present. Unable to collect accurate reading
- (6) Debris present. Unable to locate
- (7) Line Obstructed

Table 4

Methane Monitoring
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Location ID	4/26/2013				4/29/2013				5/7/2013				6/5/2013				8/30/2013				9/26/2013				10/23/2013				11/20/2013				12/16/2013				1/16/2014			
	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time
	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)
GP1-12	0.0	2.2	17.2	3	nm				nm				0.1	9.1	0.2	2	0.0	3.3	16.3	2	0.0	8.0	0.3	2	0.0	8.2	3.8	2	0.0	0.7	19.8	2	0.0	1.0	19.8	2	nm			
GP2-12	0.0	1.9	16.2	3	nm				nm				0.0	5.0	5.2	2	0.0	5.2	5.5	2	0.0	6.1	10.4	2	0.0	6.3	12.9	2	0.3	3.6	16.0	2	0.0	3.2	14.7	2	nm			
GP3-12	0.0	0.0	20.7	3	nm				nm				0.0	7.9	1.9	2	0.0	13.4	1.6	2	0.0	13.1	1.2	2	0.0	11.5	2.4	2	0.0	8.3	3.9	2	0.0	6.6	6.1	2	nm			
GP4-12	screen flooded				nm				nm				0.0	0.8	17.0	2	0.0	10.2	8.0	2	0.0	9.7	6.7	2	0.0	6.2	13.5	2	0.0	0.0	20.7	2	0.0	0.0	20.1	2	nm			
GP5-12	screen flooded				nm				nm				0.0	0.9	16.3	2	0.0	3.0	14.9	2	0.0	7.2	2.6	2	0.0	7.3	4.2	2	0.0	2.6	15.4	2	0.0	2.4	17.0	2	0.0	1.2	19.2	2
GP6-12	screen flooded				nm				nm				8.3	4.5	0.1	2	nm				nm				0.0	3.4	17.3	2	nm				nm				nm			
GP7-12	screen flooded				nm				nm				0.0	7.7	1.4	2	0.0	11.4	8.8	2	0.0	11.3	0.2	2	0.0	12.2	3.0	2	0.3	1.2	16.8	2	0.0	5.4	13.7	2	0.1	3.4	4.6	2
GP8-12	0.0	0.0	20.9	3	nm				nm				0.0	1.7	17.7	2	0.0	0.0	20.0	2	0.0	1.8	16.0	2	0.0	0.1	20.4	4	0.0	8.9	11.1	4	0.0	6.0	5.2	2	0.0	6.0	4.4	2
EX-34 ⁽⁷⁾	nm				nm				0.9	0.0	20.4	2	0.0	2.0	16.9	2	0.0	3.0	12.9	2	0.0	3.3	12.8	2	0.0	1.1	19.6	2	0.0	3.0	14.7	2	0.0	0.2	20.4	2	0.0	0.7	17.5	2
MW1-08	nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾			
MW2-08	nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾			
MW3R-08 ⁽⁷⁾	nm				0.0	0.0	20.1	3	nm				0.0	0.2	20.0	2	0.0	0.0	20.5	2	0.1	2.6	11.2	2	0.0	0.0	20.5	2	0.1	1.4	6.6	2	0.0	0.6	19.7	2	0.0	0.1	15.8	2
MW4-08	nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾			
MW5-08	nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾			
MW7-10 ⁽⁷⁾	8.6	0.1	19.1	0	nm				nm				28.3	1.4	11.4	2	0.0	0.0	20.9	2	36.4	2.6	0.2	2	29.9	3.2	0.8	2	10.3	5.0	0.8	2	9.6	4.9	0.7	2	0.9	3.0	6.6	2
MW8-10	nm				0.4	0.4	13.9	2	nm				0.1	1.1	16.2	2	0.3	0.4	12.5	2	0.0	0.7	11.8	2	0.1	0.8	15.1	2	0.4	0.3	2.1	2	0.0	0.3	7.0	2	0.0	0.3	15.3	2
MW9-10	nm				0.0	0.0	20.6	2	nm				0.2	1.2	16.9	2	0.0	1.5	11.1	2	0.0	2.7	0.7	2	0.0	0.1	20.0	2	0.0	1.1	16.4	2	0.0	4.0	4.3	2	0.0	0.3	18.2	2
MW10-10	0.0	0.0	21.2	0	1.8	0.2	18.5	3	nm				38.0	9.0	0.8	2	0.0	0.0	20.5	2	1.2	8.6	3.4	2	0.0	0.0	20.7	2	1.9	10.2	2.0	2	0.0	0.0	20.4	2	0.0	0.0	18.8	2
GV3-15	nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾			
GV4-15	nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾			
GV10-17	nm				nm				nm				nm				nm				nm				nm				nm				nm				nm			

Notes:
nm not measured on this date
CH₄ Methane
CO₂ Carbon dioxide
O₂ Oxygen
%vol percent volume
min minute
(1) Cleaned, demobilized from Site in April 2015.
(2) To be monitored during third quarter monitoring event consistent with the Operation, Maintenance, and Monitoring (OMM) Plan.
(3) Could not be measured due to water present.
(4) Not included in the OMM Plan. Additional results were presented on Quarterly Progress Report figures.
(5) Not included in the OMM Plan. Initially monitored on June 10, 2015.
(6) Valve was closed on June 10, 2015.
(7) Wind turbines installed on 8/27/15.
(8) Pump stopped due to flow restriction/water present.
(9) Gas Vents associated with the Passive Ventilation Trench installed on 12/4/15.
(10) Broken fitting
(11) Unable to access due to obstructing object
(12) Under water
(13) Unable to access due to debris
(14) Line obstructed
(15) The January, February, and March 2020 quarterly operation, maintenance, and monitoring (OMM) activities scheduled for March 26, 2020 were postponed following receipt of the March 23, 2020 Office of the Governor’s Executive Order 2020-21 (Covid-19) for Michigan and approval of the United States Environmental Protection Agency. Quarterly Progress Report #28 identified that the January, February, and March 2020 quarterly monitoring event and the April, May, and June 2020 quarterly monitoring event will be combined so that one monitoring event is completed in the second quarterly of 2020.
MPE system running in advance of and/or during methane monitoring on 4/26/13, 4/29/13 and 8/30/13
Extraction wells were converted to passive gas vents during the week of 9/8 to 9/12, 2014

Table 4

Methane Monitoring
Annual Progress Report #4 (2023)
Former Dearborn Refining Site
Dearborn, Michigan

	2/26/2014				3/24/2014				5/5/2014				8/15/2014				9/19/2014				12/11/2014				3/9/2015				6/1/2015				6/10/2015				6/12/2015			
Location ID	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time				
	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)				
GP1-12	nm				nm				0.0 5.3 2.5 2				7.4 7.9 0.0 2				0.6 9.3 0.0 2				3.0 5.6 0.5 2				0.2 5.1 0.0 2				5.3 6.0 0.0 2				10.6 6.0 0.0 2				9.7 6.8 0.0 2			
GP2-12	nm				0.0 1.0 13.1 2				0.0 1.9 10.5 2				0.0 6.5 4.5 2				0.0 6.9 10.7 2				nm				0.0 2.5 16.1 2				0.0 4.5 15.0 2				0.0 6.2 2.2 2				0.0 5.9 5.3 2			
GP3-12	nm				nm				0.0 0.2 19.6 2				nm				nm				nm				0.0 5.3 4.1 2				0.0 9.7 5.5 2				0.0 8.4 4.9 2				0.0 9.0 5.7 2			
GP4-12	nm				nm				nm				nm				nm				nm				nm ⁽³⁾				nm ⁽³⁾				nm ⁽³⁾							
GP5-12	nm				0.0 5.4 2.1 2				0.0 8.8 1.4 2				0.0 8.5 3.0 2				0.0 6.4 6.7 2				0.0 4.7 4.0 2				0.0 8.5 0.2 2				0.0 7.7 0.2 2				0.0 8.0 1.8 2							
GP6-12	nm				nm				nm				nm				nm				6.4 5.1 0.2 2				28.8 7.3 0.0 2				27.4 7.4 0.0 2				26.7 7.8 0.0 2							
GP7-12	nm				nm				0.0 3.9 0.7 2				nm				0.0 12.6 0.1 2				0.0 10.0 5.7 2				0.0 7.0 4.5 2				0.2 9.8 1.3 2				0.0 11.8 1.5 2				0.0 12.8 2.0 2			
GP8-12	nm				nm				0.0 3.0 15.2 2				0.0 3.6 6.2 2				0.0 2.6 12.0 2				nm				0.0 4.6 2.0 2				0.1 1.7 12.7 2				0.0 4.3 5.6 0.5				0.0 4.5 9.5 30 seconds ⁽⁶⁾			
EX-34 ⁽⁷⁾	0.0	2.4	6.7	2	0.0	2.2	4.5	2	0.0	3.5	11.2	2	0.0	3.3	18.2	2	nm				nm				nm ⁽²⁾				nm ⁽²⁾				nm ⁽²⁾				0.1	0.9	16.7	2
MW1-08	nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				0.0 0.0 21.3 2				0.0 0.0 18.1 2				0.0 0.3 18.1 2			
MW2-08	nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				0.0 7.5 3.3 2				0.0 6.6 5.8 2				0.0 7.3 5.5 2			
MW3R-08 ⁽⁷⁾	0.0	0.3	14.0	2	0.0	0.1	17.5	2	0.0	1.1	13.3	2	0.0	0.2	20.8	2	0.0	0.1	20.7	2	0.0	0.9	11.1	2	1.1	0.3	7.1	2	0.5	0.3	10.5	2	0.0	2.3	12.8	2	0.0	2.6	13.8	2
MW4-08	nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				0.0 8.6 4.3 2				0.0 4.4 10.8 2				0.0 2.0 15.5 2			
MW5-08	nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				nm ⁽⁴⁾				0.0 0.5 20.1 2				0.0 1.6 15.4 2				0.0 4.7 13.0 2			
MW7-10 ⁽⁷⁾	0.0	0.3	18.7	2	0.5	0.3	19.9	2	0.3	0.1	19.4	2	9.1	1.6	16.0	2	18.9	0.7	15.6	2	31.6	3.3	7.3	2	0.7	0.0	17.4	2	66.8	2.9	0.3	2	55.5	2.0	2.8	2	46.6	1.7	6.4	2
MW8-10	0.0	0.4	15.4	2	0.0	0.4	0.5	2	0.1	0.4	17.1	2	0.3	0.8	18.1	2	0.0	0.0	20.8	2	0.5	0.6	18.1	2	0.0	0.8	17.6	2	0.0	0.5	20.0	2	0.2	0.2	17.1	2	0.1	0.2	18.0	2
MW9-10	0.0	1.2	15.3	2	0.0	0.2	20.2	2	0.0	0.9	18.0	2	0.0	1.5	17.5	2	0.0	0.0	20.7	2	0.0	1.9	12.4	2	0.0	2.2	3.3	2	0.0	2.1	11.0	2	0.1	1.4	11.9	2	0.0	1.4	12.7	2
MW10-10	0.0	0.4	18.0	2	13.5	5.9	0.3	2	0.2	1.1	17.9	2	0.0	0.0	20.9	2	0.0	0.3	20.3	2	4.5	4.6	14.1	2	3.6	2.5	0.3	2	3.9	1.2	3.5	2	0.0	8.0	6.0	2	0.0	9.3	5.3	2
GV3-15	nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾			
GV4-15	nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾			
GV10-17	nm				nm				nm				nm				nm				nm				nm				nm				nm				nm			

Table 4

Methane Monitoring
Annual Progress Report #4 (2023)
Former Dearborn Refining Site
Dearborn, Michigan

	8/5/2015				8/7/2015				8/27/2015				9/25/2015				11/30/2015				1/8/2016				3/18/2016				5/26/2016				8/12/2016				10/20/2016			
Location ID	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time
	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)
	14.2	7.1	0.2	2	16.1	6.8	0.0	2	15.6	7.0	0.0	2	14.7	7.1	0.0	2	12.2	4.8	0.0	2	0.0	5.3	0.1	2	0.0	5.2	5.2	2	0.0	9.3	1.7	2	0.0	12.9	1.0	2	0.0	8.6	6.0	2
GP1-12																																								
GP2-12	0.0	8.6	6.1	2	0.0	8.1	7.7	2	0.0	7.7	10.8	2	0.0	7.8	11.1	2	0.0	4.7	14.2	2	0.0	3.5	13.2	2	0.0	2.4	15.4	2	0.0	4.1	7.4	2	0.0	5.4	14.3	2	0.0	5.2	14.9	2
GP3-12	0.0	13.0	3.0	2	0.0	13.6	3.1	2	0.0	14.0	3.2	2	0.0	12.5	5.3	2	0.0	6.8	6.6	2	nm ⁽³⁾				nm ⁽³⁾				0.0	7.2	7.1	2	0.0	5.6	14.7	2	0.0	7.7	11.4	1
GP4-12	0.0	13.6	5.3	2	0.0	12.9	6.4	2	0.0	10.9	7.5	2	0.0	8.4	14.5	2	0.0	3.2	12.7	2	nm ⁽³⁾				nm ⁽³⁾				nm ⁽³⁾				0.0	3.5	16.9	2	nm ⁽¹⁾			
GP5-12	0.0	9.4	2.0	2	0.0	8.8	0.8	2	0.0	9.0	3.0	2	0.0	9.0	3.0	2	0.0	8.1	0.5	2	0.0	6.6	1.1	2	0.0	5.6	2.1	2	0.0	6.4	1.6	2	0.0	11.4	0.0	2	0.0	8.3	3.2	2
GP6-12	29.9	9.5	0.5	20 seconds ⁽⁶⁾	32.3	9.1	0.0	2	33.3	9.1	0.0	2	32.8	8.7	0.0	2	20.0	7.1	0.0	2	30.3	5.6	2.4	30 seconds ⁽⁶⁾	nm ⁽³⁾				53.0	3.4	0.0	2	21.7	8.0	0.0	2	56.2	6.3	0.6	2
GP7-12	0.0	16.6	0.8	2	0.0	15.8	0.9	2	0.0	15.6	0.0	2	0.0	16.4	2.7	2	0.0	13.1	1.0	2	0.0	9.8	4.2	2	0.0	7.7	7.0	2	0.0	9.7	2.2	2	0.0	13.4	2.1	2	0.0	12.7	3.6	2
GP8-12	0.0	7.3	6.8	2	0.0	7.2	10.8	20 seconds ⁽⁶⁾	0.0	5.0	3.9	30 seconds ⁽⁶⁾	0.0	5.0	2.4	30 seconds ⁽⁶⁾	0.1	4.3	2.3	2	0.0	4.3	2.0	2	0.0	4.2	13.9	20 seconds ⁽⁶⁾	0.0	6.0	11.3	30 seconds ⁽⁶⁾	0.0	3.3	6.7	2	0.0	8.0	9.6	20 seconds
EX-34 ⁽⁷⁾	0.0	3.0	16.8	2	nm				nm				nm				nm				nm				nm				nm				0.0	0.0	20.1	2	nm ⁽¹⁾			
MW1-08	21.2	7.6	0.2	2	23.9	6.4	0.0	2	24.3	6.4	0.0	2	25.7	6.0	0.0	2	25.7	4.0	0.0	2	21.0	3.2	0.1	2	13.8	3.1	0.0	2	19.8	3.8	0.0	2	25.1	7.5	0.0	2	34.4	4.7	0.0	2
MW2-08	0.0	9.5	3.4	2	0.0	8.6	5.2	2	0.0	10.0	2.3	2	0.0	10.9	1.5	2	0.0	11.1	1.0	2	0.0	8.2	4.4	2	0.0	5.1	8.3	2	0.0	6.1	5.3	2	0.0	11.4	2.5	2	0.0	10.9	1.5	2
MW3R-08 ⁽⁷⁾	0.1	1.6	11.3	2	0.0	0.3	19.7	2	0.4	3.6	4.6	2	0.0	0.0	20.6	2	0.0	0.0	20.1	2	0.0	0.0	21.1	2	0.0	0.0	20.3	2	0.6	0.0	20.5	2	0.0	0.0	18.0	2	0.0	0.1	20.1	2
MW4-08	0.0	6.6	13.6	2	0.0	1.9	17.4	2	0.0	5.4	15.5	2	0.0	6.4	13.2	2	0.0	9.2	0.2	2	0.0	8.3	1.6	2	0.0	2.9	17.7	2	0.0	2.6	18.5	2	0.0	7.7	3.9	2	0.1	2.9	18.7	2
MW5-08	0.0	2.0	19.4	2	0.0	1.5	19.0	2	0.0	1.7	19.5	2	0.0	2.5	18.0	2	0.0	1.6	16.1	2	0.0	0.8	19.1	2	0.0	0.3	19.6	2	0.0	1.6	18.2	2	0.0	6.7	5.2	2	0.0	1.2	20.1	2
MW7-10 ⁽⁷⁾	71.7	2.9	0.0	2	50.9	2.0	4.9	2	76.7	0.4	0.0	2	0.0	0.0	20.6	2	0.0	0.0	20.1	2	0.0	0.0	20.6	2	0.0	0.0	20.6	2	0.0	0.0	20.5	2	1.3	0.1	18.9	2	0.1	0.0	21.0	2
MW8-10	0.2	0.2	18.9	2	0.1	0.1	19.8	2	0.2	0.5	19.3	2	0.0	0.7	17.5	2	0.0	1.1	16.7	2	0.5	0.7	16.7	2	0.0	0.0	20.6	2	0.0	0.0	20.1	2	0.0	1.2	16.7	2	0.0	0.0	21.1	2
MW9-10	0.0	1.0	16.0	2	0.0	0.7	16.9	2	0.0	1.2	17.0	2	0.0	1.1	15.3	2	0.0	2.9	2.6	2	0.0	1.4	6.0	2	0.8	1.0	14.8	2	0.1	0.9	17.7	2	0.3	3.2	0.6	2	0.0	0.0	21.3	2
MW10-10	5.0	7.0	9.2	2	31.4	12.0	0.0	2	12.1	8.6	6.9	2	0.0	5.9	14.2	2	17.9	1.5	1.1	2	44.6	7.5	0.0	2	0.2	0.6	1.0	2	2.1	4.0	1.2	2	29.7	14.0	0.6	2	0.0	0.2	20.1	2
GV3-15	nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				0.0	0.0	20.0	2	0.0	0.0	21.0	2	0.0	0.2	19.5	2	0.0	0.0	20.1	2	0.0	0.0	21.4	2
GV4-15	nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				nm ⁽⁹⁾				0.0	0.7	18.9	2	0.0	0.3	20.4	2	0.0	0.0	20.2	2	0.0	0.0	20.3	2	0.0	0.0	21.4	2
GV10-17	nm				nm				nm				nm				nm				nm				nm				nm				nm				nm			

Table 4

Methane Monitoring
Annual Progress Report #4 (2023)
Former Dearborn Refining Site
Dearborn, Michigan

Location ID	12/9/2016				2/27/2017				6/19/2017				9/13/2017				11/16/2017				3/22/2018				5/17/2018				9/17/2018				9/19/2018				11/29/2018			
	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time
	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)
GP1-12	0.0	5.3	13.3	2	0.0	2.8	17.1	2	0.0	8.0	8.4	1	0.0	12.1	3.9	2	0.0	6.4	9.7	2	0.0	4.0	16.6	1	0.0	5.2	1.6	1	0.0	10.1	5.9	2.0	0.0	14.5	6.3	1.0	0.2	4.2	13.2	1.0
GP2-12	0.0	3.2	18.6	2	0.0	1.8	18.8	2	0.1	4.7	16.2	2	0.0	7.9	13.0	2	0.0	3.2	16.1	2	0.0	2.8	17.9	1	0.0	5.1	5.1	1	0.0	5.0	14.4	1.0	0.0	5.9	15.4	2.0	0.2	3.0	19.4	1.0
GP3-12	0.0	0.4	20.5	0.5	nm ⁽⁸⁾				nm ⁽⁸⁾				nm ⁽⁸⁾				0.0	4.4	15.5	2	nm				nm				0.0	6.5	13.9	1.0	nm ⁽⁸⁾				nm ⁽⁸⁾			
GP4-12	0.0	0.1	20.8	2	nm ⁽⁸⁾				0.0	9.3	13.0	2	0.0	6.4	17.2	2	0.0	2.8	14.9	2	nm				nm				0.0	4.3	16.4	1.0	0.0	5.3	16.9	1.0	nm ⁽⁸⁾			
GP5-12	0.0	6.2	4.7	2	0.0	3.3	11.9	2	0.0	7.1	4.5	2	0.0	10.1	0.4	2	0.0	8.1	1.3	2	0.0	5.2	7.0	1	nm				0.0	10.2	0.6	1.0	0.0	14.3	1.0	1.0	0.1	5.8	8.7	1.0
GP6-12	nm ⁽⁸⁾				nm ⁽⁸⁾				65.4	4.7	1.1	2	60.8	5.0	0.4	2	41.7	4.0	0.4	2	42.7	3.4	0.0	2	nm				33.3	4.5	0.2	2.0	49.7	5.5	0.1	2.0	nm ⁽¹²⁾			
GP7-12	0.0	5.8	12.8	2	0.0	5.8	10.3	2	0.1	9.5	7.5	2	0.0	13.9	16.9	2	0.0	11.7	5.5	2	nm				nm				0.1	7.8	7.4	1.0	nm ⁽⁸⁾				nm ⁽⁸⁾			
GP8-12	0.0	0.0	20.9	2	0.0	2.5	14.8	30 seconds	0.0	5.6	14.6	30 seconds	0.0	4.0	8.8	2	0.0	0.6	19.9	2	0.0	4.8	13.0	0.33	0.0	4.8	13.0	0.33	nm ⁽⁸⁾				nm ⁽⁸⁾				nm ⁽⁸⁾			
EX-34 ⁽⁷⁾	nm ⁽¹⁾				nm				nm				0.0	0.1	21.1	1	nm				nm				nm				0.2	0.0	20.2	1.0	0.1	0.0	20.7	1.0	nm			
MW1-08	11.0	1.2	13.7	2	16.3	1.8	3.7	2	27.4	4.2	4.1	3	15.5	2.5	13.5	2	0.0	0.1	21.8	2	0.0	0.2	22.0	2	0.0	0.1	20.7	2	0.0	0.0	20.2	1	39.1	4.2	6.8	4.0	17.4	2.0	6.8	2.0
MW2-08	0.0	3.7	13.6	2	0.0	4.9	4.5	2	0.0	5.5	9.9	1	0.0	11.6	5.3	2	0.0	0.4	21.2	2	0.0	0.5	21.5	2	0.0	0.1	20.5	1	0.0	0.5	19.4	1	0.0	15.1	6.2	1.0	0.1	5.6	13.4	1.0
MW3R-08 ⁽⁷⁾	0.0	0.0	20.8	2	0.0	0.0	20.8	2	0.0	0.0	21.1	2	0.1	0.1	20.8	2	0.0	0.4	21.6	2	0.0	0.1	22.3	1	0.0	0.1	20.7	1	0.8	0.1	19.3	1	0.1	0.0	20.7	1.0	0.1	0.1	22.4	1.0
MW4-08	0.0	0.1	21.1	2	0.0	1.6	19.4	2	0.3	1.2	19.2	2	0.0	3.8	19.4	2	0.0	0.1	21.0	2	0.0	0.1	21.9	1	0.0	0.0	20.3	1	0.1	0.0	20.2	1	0.1	6.0	20.8	2.0	0.2	3.0	16.6	1.0
MW5-08	0.0	0.0	20.9	2	0.0	0.4	20.6	2	0.0	2.8	17.1	2	0.0	2.2	20.3	2	0.0	0.8	20.2	2	0.0	0.7	21.4	1	0.0	0.1	21.1	2	0.0	1.6	18.5	2	0.0	2.8	18.3	2.0	0.2	0.3	19.2	1.0
MW7-10 ⁽⁷⁾	0.0	0.0	20.5	2	0.0	0.0	20.9	2	0.1	0.8	20.9	2	0.4	0.1	22.3	2	0.0	0.1	21.8	2	0.0	0.1	22.2	1	0.1	0.1	20.6	1	0.8	0.0	20.0	1	0.2	0.0	20.7	1.0	0.3	0.1	22.6	1.0
MW8-10	0.0	0.0	20.7	2	0.0	0.0	20.8	2	0.0	0.0	20.9	2	0.0	0.3	21.5	2	0.0	0.1	21.9	2	0.0	0.1	22.2	1	0.0	0.1	20.6	1	0.2	0.0	20.2	1	0.5	0.2	19.8	1.0	0.1	0.1	22.8	1.0
MW9-10	0.0	0.0	20.8	2	0.0	0.0	20.8	2	0.0	0.0	21.0	2	0.0	0.9	19.3	2	0.0	0.1	21.9	2	0.0	0.1	22.3	1	0.0	0.1	20.6	1	0.3	0.0	20.1	1	0.2	0.9	17.8	1.0	2.0	1.5	18.1	1.0
MW10-10	0.0	0.0	20.7	2	0.0	0.0	20.9	2	0.0	0.0	21.0	2	63.1	11.0	0.1	2	0.0	0.1	21.7	2	0.0	0.1	22.3	1	0.1	0.2	20.6	1	5.6	0.9	17.8	1	0.1	0.8	20.0	1.0	0.1	0.2	22.0	1.0
GV3-15	0.0	0.0	20.9	2	0.0	0.0	20.6	2	0.0	0.1	20.8	2	0.0	0.1	22.6	2	0.0	0.0	22.2	2	0.0	0.2	21.9	1	0.0	0.1	21.0	1	0.0	0.0	20.2	1	0.0	0.0	20.5	1.0	0.2	0.1	22.1	1.0
GV4-15	0.0	0.0	20.9	2	0.0	0.0	21.1	2	0.0	0.0	21.0	2	0.0	1.4	20.6	2	0.0	0.1	20.8	2	0.0	0.3	21.9	1	0.0	0.1	20.9	1	0.0	0.0	20.3	2	0.0	0.0	20.5	2.0	0.2	0.2	21.7	1.0
GV10-17	nm				nm				nm				0.0	0.4	22.4	2	0.0	0.1	21.9	2	0.0	0.2	22.2	1	0.0	0.1	20.7	1	0.0	0.0	19.7	2	0.0	0.0	20.7	1.0	0.1	0.1	21.8	1.0

Table 4

Methane Monitoring
Annual Progress Report #4 (2023)
Former Dearborn Refining Site
Dearborn, Michigan

Location ID	3/21/2019				6/5/2019				9/6/2019				9/9/2019				9/26/2019				11/26/2019				6/4/2020				9/21/2020				9/23/2020				6/24/2021			
	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time
	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)
GP1-12	0.0	2.1	14.7	1.0	0.0	4.7	5.2	1.0	0.1	9.5	4.7	1.5	0.0	10.3	4.0	1.0	nm				0.0	5.2	10.2	1.0	0.0	4.5	4.5	1.0	0.0	8.3	3.5	1.0	0.0	8.3	2.4	1.0	0.00	8.2	6.1	1.00
GP2-12	0.0	1.4	17.7	1.0	0.0	5.6	11.4	1.0	0.1	4.6	16.1	1.0	0.0	4.7	17.3	1.0	nm				0.0	2.4	17.0	1.0	0.0	4.2	7.0	1.0	0.0	6.6	12.9	1.0	0.0	7.0	8.4	1.0	0.00	4.50	15.20	1.00
GP3-12	nm ⁽³⁾				nm ⁽³⁾				0.1	7.0	14.0	1.0	0.0	7.1	14.6	1.0	0.0	7.5	12.7	1.5	0.0	0.0	20.7	1.0	0.0	5.4	12.6	1.0	0.0	2.5	17.1	0.3	nm ⁽³⁾				0.00	6.30	13.20	2.00
GP4-12	nm ⁽³⁾				nm ⁽³⁾				0.1	4.8	16.8	1.0	0.0	5.0	17.1	1.0	0.0	7.0	13.8	2.0	0.0	0.0	20.7	1.0	nm ⁽³⁾				nm ⁽³⁾				nm ⁽³⁾				0.00	6.40	14.00	1.00
GP5-12	0.0	4.7	4.3	1.0	0.0	5.8	5.5	1.0	0.0	10.2	0.6	1.0	0.0	10.6	1.6	1.0	nm				0.0	6.6	0.8	1.0	0.0	5.8	3.5	1.0	0.0	7.9	4.1	1.0	0.0	8.1	2.3	1.0	0.00	8.50	1.20	1.00
GP6-12	nm ⁽³⁾				nm ⁽¹³⁾				58.7	4.1	0.0	1.0	54.5	4.4	0.0	1.5	nm				64.8	2.8	0.9	1.5	76.1	2.6	0.2	1.5	84.2	3.5	0.1	1.0	84.5	3.5	0.0	1.0	33.80	3.00	0.00	3.50
GP7-12	nm ⁽³⁾				nm ⁽³⁾				1.4	2.0	14.2	1.0	0.0	9.2	11.6	1.0	nm				0.0	6.1	12.5	1.0	0.0	7.6	2.6	1.0	0.0	9.6	0.8	1.0	0.0	10.1	1.9	1.0	0.00	10.90	7.20	1.00
GP8-12	nm ⁽³⁾				nm ⁽³⁾				nm ⁽¹⁴⁾				nm ⁽¹⁴⁾				nm				0.1	0.0	20.1	1.0	0.0	5.7	9.7	0.5	0.0	7.6	11.0	0.5	0.0	6.6	13.6	0.5	0.00	6.10	8.80	0.75
EX-34 ⁽⁷⁾	nm				nm				0.1	0.1	21.3	1.0	0.0	0.1	21.4	1.0	nm				nm				nm				0.0	0.0	20.7	1.0	0.0	0.0	21.2	1.0	0.00	0.10	20.70	1.00
MW1-08	19.5	2.3	0.4	3.0	18.5	3.3	3.3	1.5	43.7	4.9	0.2	1	41.8	5.2	0.2	1.0	nm				0.0	0.0	20.6	1.0	32.6	3.1	0.2	1.5	45.2	4.3	0.1	1.0	46.1	4.2	0.1	1.0	0.00	0.30	19.80	3.50
MW2-08	0.0	5.4	3.2	1.0	0.0	5.1	12.0	1.0	0.1	9.6	5.7	1	10.1	6.1	0.0	1.5	0.0	11.6	2.5	2.0	0.0	0.3	20.2	1.0	0.0	4.8	0.7	1.0	0.0	4.6	16.4	2.0	0.0	5.9	11.7	2.0	0.00	7.40	7.00	1.00
MW3R-08 ⁽⁷⁾	0.0	0.0	21.7	1.0	0.0	0.1	20.5	1.0	0.0	0.1	21.4	1	0.1	0.1	21.4	1.0	nm				0.0	0.0	20.8	1.0	0.0	0.0	20.4	1.0	0.0	0.0	20.8	1.0	0.0	0.0	21.1	1.0	0.00	0.10	20.00	1.00
MW4-08	0.0	2.2	18.7	1.0	0.0	0.7	20.1	1.0	0.1	3.4	16.9	1	0.0	3.4	15.9	1.0	nm				0.0	0.0	20.7	1.0	0.0	1.0	18.8	1.0	0.0	1.0	19.9	1.0	0.7	1.0	17.8	1.0	0.00	5.90	5.90	2.00
MW5-08	0.0	0.0	21.1	1.0	0.0	0.2	20.7	1.0	0.1	5.0	15.6	1	0.0	3.4	18.4	1.0	nm				0.0	2.6	17.8	1.0	0.0	2.3	17.8	1.0	0.0	2.6	18.2	1.0	0.0	3.5	17.4	1.0	0.00	3.80	16.10	1.00
MW7-10 ⁽⁷⁾	0.0	0.0	21.7	1.0	0.0	0.1	20.6	1.0	0.0	0.1	20.7	1	0.1	0.1	21.4	1.0	nm				0.0	0.0	20.4	1.0	0.0	0.0	20.2	1.0	0.0	0.0	21.1	1.0	0.0	0.0	21.0	1.0	0.00	0.00	20.80	1.00
MW8-10	0.0	0.0	21.6	1.0	0.0	0.1	20.6	1.0	0.0	0.1	20.9	1	0.2	0.3	21.0	1.0	nm				0.0	0.0	20.5	1.0	0.0	0.0	20.0	1.0	0.0	0.0	21.0	1.0	0.0	0.0	20.9	1.0	0.00	0.00	20.80	1.00
MW9-10	0.7	1.0	18.9	1.0	0.0	0.1	20.6	1.0	0.1	0.1	21.4	1	0.0	0.7	19.7	1.0	nm				0.0	0.1	20.8	1.0	0.0	0.0	20.3	1.0	0.0	0.1	21.0	1.0	0.0	0.1	21.0	1.0	0.00	0.00	20.70	1.00
MW10-10	0.0	0.1	20.2	1.0	0.0	0.5	19.8	1.0	0.0	0.0	21.4	1	0.2	1.0	20.4	1.0	nm				0.0	0.2	19.5	1.0	0.0	0.2	19.9	1.0	0.0	0.6	19.3	1.0	0.0	2.5	7.9	1.0	4.70	1.50	17.20	1.50
GV3-15	0.0	0.0	21.2	1.0	0.0	1.6	16.6	1.0	0.0	0.0	20.8	1	0.0	0.7	21.1	1.0	nm				0.0	0.0	20.5	1.0	0.0	0.5	18.2	1.0	0.0	0.3	20.3	1.0	0.0	0.2	20.0	1.0	0.00	0.30	19.70	1.00
GV4-15	0.0	0.2	21.3	1.0	0.0	0.2	20.5	1.0	0.1	0.0	20.7	1	0.0	0.6	20.6	1.0	nm				0.0	0.0	20.6	1.0	0.0	1.1	17.1	1.0	0.0	0.9	19.2	1.0	0.0	0.4	18.5	1.0	0.00	0.50	19.00	1.00
GV10-17	0.0	0.0	21.8	1.0	0.0	0.2	20.3	1.0	0.0	0.2	20.9	1	0.0	0.2	21.2	1.0	nm				0.0	0.0	20.8	1.0	0.0	0.0	19.9	1.0	0.0	0.1	20.5	1.0	0.0	0.1	20.9	1.0	0.00	0.00	20.70	1.00

Table 4

Methane Monitoring
Annual Progress Report #4 (2023)
Former Dearborn Refining Site
Dearborn, Michigan

	10/28/2021				5/18/2022				12/9/2022				6/1/2023				10/10/2023			
Location ID	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time	CH ₄	CO ₂	O ₂	Purge Time
	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)	(%vol)	(%vol)	(%vol)	(min)
GP1-12	0.00	8.60	0.10	1.00	0.00	4.80	7.50	1.00	0.00	5.30	13.00	1.00	0.00	4.80	10.00	1.00	0.00	9.70	5.50	2.00
GP2-12	0.00	8.20	14.00	1.00	0.00	5.10	9.70	1.00	0.10	1.40	20.40	0.50	0.00	3.40	16.20	1.00	0.00	3.40	18.80	2.00
GP3-12	nm ⁽³⁾				nm ⁽³⁾				nm ⁽³⁾				0.00	3.20	13.50	1.00	nm ⁽³⁾			
GP4-12	nm ⁽³⁾				0.00	0.10	20.90	1.00	0.10	0.80	20.90	1.00	0.00	3.50	15.80	1.00	0.00	2.40	20.10	2.00
GP5-12	0.00	7.40	11.30	1.00	0.00	7.80	3.02	0.50	0.00	6.70	7.90	1.00	0.00	7.00	1.30	1.00	0.00	11.10	0.90	2.00
GP6-12	nm ⁽³⁾				nm ⁽³⁾				21.30	3.3	0.0	1.00	29.50	2.90	0.10	1.00	59.00	3.90	0.00	2.00
GP7-12	nm ⁽³⁾				0.00	10.60	3.00	0.50	0.00	6.80	13.20	0.50	0.00	8.60	12.10	1.00	0.00	7.70	13.90	2.00
GP8-12	nm ⁽³⁾				0.00	6.50	19.30	1.00	nm ⁽³⁾				0.00	3.80	11.00	1.00	0.00	4.20	17.90	2.00
EX-34 ⁽⁷⁾	0.00	0.20	21.30	1.00	0.00	0.10	20.70	0.50	0.00	0.20	21.40	1.00	0.00	0.10	20.30	1.00	0.00	0.00	21.50	5.00
MW1-08	0.00	0.10	21.50	1.00	38.30	0.10	21.20	1.00	0.50	0.20	21.60	1.00	3.60	1.20	16.80	1.00	4.10	0.70	18.50	5.00
MW2-08	0.00	0.10	21.40	1.00	0.00	0.30	20.70	1.00	0.00	0.20	21.70	1.00	0.00	2.90	12.00	1.00	0.00	0.50	20.80	3.00
MW3R-08 ⁽⁷⁾	0.00	0.10	21.30	1.00	0.00	0.10	20.70	0.50	0.10	0.20	21.40	0.50	0.00	0.20	20.10	1.00	0.00	0.10	21.30	5.00
MW4-08	0.00	0.10	21.00	1.00	0.00	0.10	20.60	1.00	0.00	0.20	21.40	1.00	0.00	0.40	20.10	1.00	0.00	0.80	20.70	3.00
MW5-08	0.00	0.20	21.10	1.00	0.00	0.90	19.40	0.50	0.00	1.80	19.40	1.00	0.00	0.10	20.50	0.50	0.00	7.70	12.70	3.00
MW7-10 ⁽⁷⁾	0.00	0.10	21.50	1.00	0.10	0.10	20.40	1.00	0.10	0.20	22.00	1.00	0.00	0.00	20.30	1.00	0.00	0.00	21.50	5.00
MW8-10	0.00	0.20	21.70	1.50	0.60	0.20	20.30	1.00	0.10	0.90	10.60	1.00	0.00	0.10	20.10	1.00	0.00	0.60	16.10	5.00
MW9-10	0.00	0.00	21.10	1.00	0.00	0.10	20.80	0.50	0.10	0.20	21.40	0.50	0.00	0.70	18.90	1.00	0.00	1.30	20.20	5.00
MW10-10	0.00	0.10	21.60	1.50	0.10	1.80	1.40	0.33	0.70	3.50	14.90	1.00	0.40	8.20	12.50	1.00	1.30	5.90	14.70	5.00
GV3-15	0.00	0.10	21.50	1.00	0.00	0.10	21.40	0.50	0.00	0.20	21.80	1.00	0.00	0.60	19.20	1.00	0.00	0.00	21.00	5.00
GV4-15	0.00	0.20	21.20	1.00	0.00	0.30	21.00	1.00	0.10	0.30	21.70	0.50	0.00	0.10	19.70	1.00	0.00	0.00	21.20	5.00
GV10-17	0.00	0.10	21.40	1.00	0.00	0.20	20.80	0.50	0.10	0.20	21.50	0.30	0.00	0.30	19.60	1.00	0.00	0.20	21.50	5.00

Well Locations
Annual Progress Report #4 (2023)
Former Dearborn Refining Site
Dearborn, Michigan

Location ID	General Location
GP1-12	At border of HDPE liner/within grassed area
GP2-12	Outside HDPE liner/within grassed area
GP3-12	Outside HDPE liner/within grassed area
GP4-12	Outside HDPE liner/within grassed area
GP5-12	Outside HDPE liner/within grassed area
GP6-12	Outside HDPE liner/within grassed area
GP7-12	Outside HDPE liner/within grassed area
GP8-12	Outside HDPE liner/within grassed area
EX-34	Outside HDPE liner/within grassed area
MW1-08	Within the HDPE liner/within gravel area
MW2-08	Within HDPE liner/within grassed area
MW3R-08	Outside HDPE liner/within grassed area
MW4-08	Within the HDPE liner/within gravel area
MW5-08	Outside HDPE liner/within grassed area
MW7-10	Within the HDPE liner/within gravel area
MW8-10	Within the HDPE liner/within gravel area
MW9-10	Outside HDPE liner/within grassed area
MW10-10	Outside HDPE liner/within grassed area
MW13-23 ⁽¹⁾	On FPT property
MW14-12	On FPT property
MW15-12	On FPT property
GV3-15	Within gravel trench (PVT)
GV4-15	Within gravel trench (PVT)
GV10-17	Within gravel trench (PVT)

Notes:

FPT	Ferrous Processing and Trading Company
HDPE	High density polyethylene
PVT	Passive ventilation barrier
(1)	MW-13-23 installed on 5/2/23 to replace MW-13-12 that was destroyed

Attachments

Attachment 1

Inspection Forms and Site Photographs



COVER SYSTEM INSPECTION LOG

PROJECT NAME: Former Dearborn Refining Site - 3901 Wyoming Avenue, Dearborn, Michigan LOCATION: Dearborn, Michigan
PROPERTY OWNER: City of Dearborn
PROJECT NUMBER: 11227044 DATE: 06/01/2023
INSPECTOR(S): D Rivers & C Mickelsons

	<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1	Cover System ⁽¹⁾			
OK	Surface Conditions	exposed geotextile fabric		No Issues
Issues Present		erosion and/or sloughing		Ruts from vehicle in SE corner
OK		ponding of water		No Issues
OK		established vegetative ground cover		No Issues
OK		subsidence or settlement		No Issues
2	Stormwater Retention Area and Associated Swale, Grass-lined Ditch, and Berms ⁽¹⁾			
OK	Stormwater	sediment accumulation (≤6 inches in Retention Area)		No Issues
OK	Management	debris construction		No Issues
OK		visible signs of erosion		No Issues
OK		established vegetation		No Issues
OK		signs of seepage through berms		No Issues
OK		accumulation of trash		No Issues
3.	Other Site Systems ⁽¹⁾			
Issues Present	Site Fencing	integrity of fence		Northern fence bent where trucks have backed into them.
OK		integrity of gates		No Issues
OK		integrity of locks		No Issues
OK		placement and condition of signs		No Issues

NOTES:

TREATED WATER CONVEYANCE PIPE (UNDER GRAVEL DRIVEWAY) INSPECTION LOG

PROJECT NAME: Former Dearborn Refining Site - 3901 Wyoming Avenue, Dearborn, Michigan LOCATION: Dearborn, Michigan
 PROPERTY OWNER: City of Dearborn
 PROJECT NUMBER: 11227044 DATE: 06/01/2023
 INSPECTOR(S): D Rivers & C Mickelsons

	<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1	Pipe ⁽¹⁾			
OK	Condition/Functionality	integrity	_____	No Issues
OK		sediment accumulation	_____	No Issues
OK		other blockage	_____	No Issues

NOTES:



COVER SYSTEM INSPECTION LOG

PROJECT NAME: Former Dearborn Refining Site - 3901 Wyoming Avenue, Dearborn, Michigan LOCATION: Dearborn, Michigan
PROPERTY OWNER: City of Dearborn
PROJECT NUMBER: 11227044 DATE: 10/10/2023
INSPECTOR(S): Dave Rivers

	<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1	Cover System ⁽¹⁾			
OK	Surface Conditions	exposed geotextile fabric		No Issues
OK		erosion and/or sloughing		No Issues
OK		ponding of water		No Issues
OK		established vegetative ground cover		No Issues
OK		subsidence or settlement		No Issues
2	Stormwater Retention Area and Associated Swale, Grass-lined Ditch, and Berms ⁽¹⁾			
OK	Stormwater	sediment accumulation (≤6 inches in Retention Area)		No Issues
OK	Management	debris construction		No Issues
OK		visible signs of erosion		No Issues
Issues Present		established vegetation	Rut in grassy area north of south berm	Photo taken in Daily Log
OK		signs of seepage through berms		No Issues
OK		accumulation of trash		No Issues
3.	Other Site Systems ⁽¹⁾			
Issues Present	Site Fencing	integrity of fence		Fencing along North bent inwards from the trucking activities on the property to the north of site
OK		integrity of gates		No Issues
OK		integrity of locks		No Issues
OK		placement and condition of signs		No Issues

NOTES:



TREATED WATER CONVEYANCE PIPE (UNDER GRAVEL DRIVEWAY) INSPECTION LOG

PROJECT NAME: Former Dearborn Refining Site - 3901 Wyoming Avenue, Dearborn, Michigan
PROPERTY OWNER: City of Dearborn
PROJECT NUMBER: 11227044
INSPECTOR(S): Dave Rivers

LOCATION: Dearborn, Michigan
DATE: 10/10/2023

	<i>Item</i>	<i>Inspect For</i>	<i>Action Required</i>	<i>Comments</i>
1	Pipe (1)			
OK	Condition/Functionality	integrity		No Issues
OK		sediment accumulation		No Issues
OK		other blockage		No Issues

NOTES:



GAS PROBE AND WELL INSPECTION AND MONITORING SUMMARY

PROJECT NAME: Former Dearborn Refining Site - 3901 Wyoming Avenue, Dearborn, Michigan

PROPERTY OWNER: City of Dearborn

INSPECTION CREW MEMBERS: Dave Rivers

SUPERVISOR:

DATE OF INSPECTION: 06/01/2023

MONITORING

Location	Time of Reading	Measurement Method	CH4%	CO2%	O2%	Purge (min)	Pressure (in H2O)	Depth to Water/ Depth to Product	Other Comments
MW5-08	08:01	Manometer	0	0.1	20.5	0.5	-0.5	3.63/--	
GP8-12	08:29	Manometer	0	3.8	11	1	0	N/A	
GP1-12	08:34	Manometer	0	4.8	10	1	0	N/A	
GV3-15	08:36	Manometer	0	0.6	19.2	1	0	N/A	
GV4-15	08:39	Manometer	0	0.1	19.7	1	0	N/A	
MW1-08	08:41	Manometer	3.6	1.2	16.8	1	0	--/--	Dry
GP2-12	08:46	Manometer	0	3.4	16.2	1	0	N/A	
GP3-12	08:49	Manometer	0	3.2	13.5	1	0	N/A	
MW2-08	08:54	Manometer	0	2.9	12	1	0	8.16/--	
GP4-12	08:57	Manometer	0	3.5	15.8	1	0	N/A	
GP5-12	09:00	Manometer	0	7.0	1.3	1	0	N/A	
GV10-17	09:03	Manometer	0	0.3	19.6	1	0	N/A	
MW10-10	09:06	Manometer	0.4	8.2	12.5	1	0	6.73/--	No trace oil
MW3R-08	09:11	Manometer	0	0.2	20.1	1	0	6.45/--	
GP6-12	09:14	Manometer	29.5	2.9	0.1	1	0	N/A	
EX-34	09:18	Manometer	0	0.1	20.3	1	0	7.83/--	
MW4-08	09:21	Manometer	0	0.4	20.1	1	0	8.28/--	
GP7-12	09:27	Manometer	0	8.6	12.1	1	0	N/A	

Location	Time of Reading	Measurement Method	CH4%	CO2%	O2%	Purge (min)	Pressure (in H2O)	Depth to Water/ Depth to Product	Other Comments
MW9-10	09:31	Manometer	0	0.7	18.9	1	0	8.78/--	
MW8-10	09:38	Manometer	0	0.1	20.1	1	0	9.01/--	
MW7-10	09:42	Manometer	0	0	20.3	1	0	9.12/8.87	
MW13-23	09:59	Manometer	--	--	--	--	--	4.39/--	Unsurveyed. New well MW13-23
MW14-12	10:02	Manometer	--	--	--	--	--	4.16/--	
MW15-12	10:06	Manometer	--	--	--	--	--	3.6/	

INSPECTION

Gas Probe I.D. Number	Lock	Surface Seal	Protective Casing	Riser	Sediment	Well Depth (ft. BTOC)
MW5-08	N/A	OK	N/A	OK	N/A	N/A
GP8-12	N/A	OK	N/A	N/A	N/A	N/A
GP1-12	N/A	OK	N/A	N/A	N/A	N/A
GV3-15	N/A	OK	N/A	N/A	N/A	N/A
GV4-15	N/A	OK	N/A	N/A	N/A	N/A
MW1-08	N/A	OK	N/A	OK	N/A	7.7
GP2-12	N/A	OK	N/A	N/A	N/A	N/A
GP3-12	N/A	OK	N/A	N/A	N/A	N/A
MW2-08	N/A	OK	N/A	OK	N/A	N/A
GP4-12	N/A	OK	N/A	N/A	N/A	N/A
GP5-12	N/A	OK	N/A	N/A	N/A	N/A
GV10-17	N/A	OK	N/A	N/A	N/A	N/A
MW10-10	N/A	OK	N/A	OK	N/A	N/A
MW3R-08	N/A	OK	N/A	OK	N/A	N/A
GP6-12	N/A	OK	N/A	N/A	N/A	N/A
EX-34	N/A	OK	N/A	N/A	N/A	N/A
MW4-08	N/A	OK	N/A	OK	N/A	N/A
GP7-12	N/A	OK	N/A	N/A	N/A	N/A
MW9-10	N/A	OK	N/A	OK	N/A	N/A
MW8-10	N/A	OK	N/A	OK	N/A	N/A
MW7-10	N/A	OK	N/A	OK	N/A	N/A

Gas Probe I.D. Number	Lock	Surface Seal	Protective Casing	Riser	Sediment	Well Depth (ft. BTOC)
MW13-23	N/A	OK	N/A	OK	N/A	N/A
MW14-12	N/A	OK	N/A	OK	N/A	N/A
MW15-12	N/A	OK	N/A	OK	N/A	N/A

Additional Comments:



GAS PROBE AND WELL INSPECTION AND MONITORING SUMMARY

PROJECT NAME: Former Dearborn Refining Site - 3901 Wyoming Avenue, Dearborn, Michigan

PROPERTY OWNER: City of Dearborn

INSPECTION CREW MEMBERS: Dave Rivers

SUPERVISOR:

DATE OF INSPECTION: 10/10/2023

MONITORING

Location	Time of Reading	Measurement Method	CH4%	CO2%	O2%	Purge (min)	Pressure (in H2O)	Depth to Water/ Depth to Product	Other Comments
MW5-08	10:05	GEM	0	7.7	12.7	3	--	N/A	
GP8-12	10:11	GEM	0	4.2	17.9	2	--	N/A	
GP1-12	10:17	GEM	0	9.7	5.5	2	--	N/A	
MW1-08	10:21	GEM	4.1	0.7	18.5	5	--	N/A	
GV3-15	10:33	GEM	0	0	21	5	--	N/A	
GV4-15	10:40	GEM	0	0	21.2	5	--	N/A	
GP2-12	10:50	GEM	0	3.4	18.8	2	--	N/A	
GP3-12	10:52	GEM	--	--	--	--	--	N/A	No reading. Water present.
MW2-08	11:00	GEM	0	0.5	20.8	3	--	N/A	
GP4-12	11:02	GEM	0	2.4	20.1	2	--	N/A	
GP5-12	11:08	GEM	0	11.1	0.9	2	--	N/A	
GV10-17	11:15	GEM	0	0.2	21.5	5	--	N/A	
MW9-10	11:22	GEM	0	1.3	20.2	5	--	N/A	
MW10-10	11:29	Manometer	1.3	5.9	14.7	5	--	N/A	
MW3R-08	11:37	Manometer	0	0.1	21.3	5	--	N/A	
GP6-12	11:44	GEM	59	3.9	0	2	--	N/A	
EX-34	11:50	GEM	0	0	21.5	5	--	N/A	
MW4-08	11:59	GEM	0	0.8	20.7	3	--	N/A	

Location	Time of Reading	Measurement Method	CH4%	CO2%	O2%	Purge (min)	Pressure (in H2O)	Depth to Water/ Depth to Product	Other Comments
GP7-12	12:05	GEM	0	7.7	13.9	2	--	N/A	
MW7-10	12:10	GEM	0	0	21.5	5	--	N/A	
MW8-10	12:16	GEM	0	0.6	16.1	5	--	N/A	

INSPECTION

Gas Probe I.D. Number	Lock	Surface Seal	Protective Casing	Riser	Sediment	Well Depth (ft. BTOC)
MW5-08	N/A	OK	N/A	OK		
GP8-12	N/A	OK	N/A	N/A	N/A	N/A
GP1-12	N/A	OK	N/A	N/A	N/A	N/A
MW1-08	N/A	OK	N/A	OK		
GV3-15	N/A	OK	N/A	N/A	N/A	N/A
GV4-15	N/A	OK	N/A	N/A	N/A	N/A
GP2-12	N/A	OK	N/A	N/A	N/A	N/A
GP3-12	N/A	OK	N/A	N/A	N/A	N/A
MW2-08	N/A	OK	N/A	OK		
GP4-12	N/A	OK	N/A	N/A	N/A	N/A
GP5-12	N/A	OK	N/A	N/A	N/A	N/A
GV10-17	N/A	OK	N/A	N/A	N/A	N/A
MW9-10	N/A	OK	N/A	OK		
MW10-10	N/A	OK	N/A	OK		
MW3R-08	N/A	OK	N/A	OK		
GP6-12	N/A	OK	N/A	N/A	N/A	N/A
EX-34	N/A	OK	N/A	N/A	N/A	N/A
MW4-08	N/A	OK	N/A	OK		
GP7-12	N/A	OK	N/A	N/A	N/A	N/A
MW7-10	N/A	OK	N/A	OK		
MW8-10	N/A	OK	N/A	OK		

Additional Comments:



GAS PROBE AND WELL INSPECTION AND MONITORING SUMMARY

PROJECT NAME: Former Dearborn Refining Site - 3901 Wyoming Avenue, Dearborn, Michigan

PROPERTY OWNER: City of Dearborn

INSPECTION CREW MEMBERS: Dave Canfield

SUPERVISOR:

DATE OF INSPECTION: 11/29/2023

INSPECTION

Gas Probe I.D. Number	Lock	Surface Seal	Protective Casing	Riser	Sediment	Well Depth (ft. BTOC)
MW13-23	N/A	OK	N/A	OK		
MW14-12	N/A	OK	N/A	OK		
MW15-12	N/A	OK	N/A	OK		

Additional Comments:



Photo 1 - Tire ruts in grassy cover area in SE part of site - looking east.



Photo 2 - Looking west along South fence line from SE corner



**Site Photographs
Dearborn Refining
06/01/2023**



Photo 3 - Looking north across drive in over water conveyance pipe



Photo 4 - Looking south across drive in over water conveyance pipe



**Site Photographs
Dearborn Refining
06/01/2023**



Photo 5 - Looking west at opened gate to site



Photo 6 - Looking south along east fence line from NE corner



**Site Photographs
Dearborn Refining
06/01/2023**



Photo 7 - Looking west along north fence line from NE corner



Photo 8 - Looking east along north fence line from NW corner



Site Photographs
Dearborn Refining
06/01/2023



Photo 9 - Looking south along west fence line from NW corner



Photo 10 - Looking east along south fence line and vent field



**Site Photographs
Dearborn Refining
06/01/2023**



Photo 11 - Looking north across the vent field from S fence line



**Site Photographs
Dearborn Refining
06/01/2023**



Photo 1 - View Looking South - NW corner looking south along west fence line



Photo 2 - View Looking East - NW corner looking east along north fenceline



**Site Photographs
Dearborn Refining
10/10/2023**



Photo 3 - View Looking West - NE corner looking west along north fenceline



Photo 4 - View Looking South - NE corner looking south along east fenceline



**Site Photographs
Dearborn Refining
10/10/2023**



Photo 5 - View Looking North - Drainage swale beneath entrance road



Photo 6 - View Looking West - Entrance to site



**Site Photographs
Dearborn Refining
10/10/2023**



Photo 7 - View Looking North - SE corner looking north along east fenceline and across drainage collection area



Photo 8 - View Looking East - Rut in grassy drainage collection area



**Site Photographs
Dearborn Refining
10/10/2023**



Photo 9 - View Looking West - SE corner looking west along south fenceline



Photo 10 - View Looking East - SW area looking east along south fenceline where it juts out



**Site Photographs
Dearborn Refining
10/10/2023**



Photo 11 - SW area looking NW along fenceline



Photo 12 - View Looking North - Looking north along west fenceline



**Site Photographs
Dearborn Refining
10/10/2023**



Photo 13 - View Looking East - Looking east across northern portion of vent field



Photo 14 - Looking SE across vent field



**Site Photographs
Dearborn Refining
10/10/2023**