



2021 Progress Report January – December 2021

Former Amoco Terminal
2904 Winter Street, Superior, Wisconsin

Antea[®]Group

Understanding today.
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FID No. 816009920

BRRTS Nos.

Amoco Terminal (02-16-000331)

Amoco Barge Dock – Manifold & AST Area (02-16-117873)

Amoco Barge Dock – OW Separator & Loading Rack (02-16-297979)

PREPARED BY

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Contents

1.0	Introduction and Scope of Work.....	1
2.0	Site Location and Background.....	1
3.0	Activities Completed April through October 2021.....	2
3.1	Groundwater Gauging and Bailing.....	2
3.2	Groundwater Sampling.....	3
3.2.1	May Groundwater Sampling Results.....	3
3.2.2	October Groundwater Sampling Results.....	4
3.2.3	Groundwater Sampling Trends.....	4
3.2.4	Groundwater analytical analysis.....	5
	Operation and Maintenance of Phase II System, April – October 2021.....	7
3.3	MRW-3 LNAPL Recovery.....	8
3.4	LRMW-7 LNAPL Recovery.....	8
3.5	Well Abandonments.....	9
3.6	Waste Disposal.....	9
4.0	Conclusions and Recommendations.....	10
4.1	Conclusions.....	10
4.2	Recommendations.....	10
6.0	Remarks.....	12
	Contact Information.....	12

Tables

Table 1	2021 Gauge and Bail Table
Table 2	2021 Groundwater Sampling Plan
Table 3	Groundwater and LNAPL Gauging Data - Terminal
Table 4	Groundwater and LNAPL Gauging Data – Barge Dock
Table 5	Groundwater Analytical Results - Terminal
Table 6	Groundwater Analytical Results – Barge Dock
Table 7	Phase II System LNAPL Recovery Summary
Table 8	MRW-3 LNAPL Recovery Summary
Table 9	LRMW-7 LNAPL Recovery Summary
Table 10	2022 Groundwater Sampling Plan

Figures

Figure 1	Area Properties Map
Figure 2	Site Map
Figure 3	Terminal and Barge Dock Area Wells
Figure 4	Groundwater Contour Map – May, 2021 – Shallow Wells
Figure 5	Groundwater Contour Map – May, 2021 – Deep Wells
Figure 6	Groundwater Contour Map – May, 2021 – DD Level Wells
Figure 7a	Dissolved Phase Benzene Concentrations – May 2021 – Shallow Wells
Figure 7b	Dissolved Phase Benzene Concentrations – October 2021– Shallow Wells
Figure 8a	Dissolved Phase Benzene Concentrations – May 2021 – Deep Wells
Figure 8b	Dissolved Phase Benzene Concentrations – October 2021– Deep Wells
Figure 9a	Dissolved Phase Benzene Concentrations – May 2021 – DD Level Wells
Figure 9b	Dissolved Phase Benzene Concentrations – October 2021– DD Level Wells
Figure 10	LNAPL Extent Map – Barge Dock
Figure 11	LNAPL Extent Map – Terminal
Figure 12a	Barge Dock Phase II System LNAPL Recovery
Figure 12b	Barge Dock Phase II System – LNAPL Recovery by Year

Appendices

Appendix A	Groundwater Sample Analytical Laboratory Reports
Appendix B	Select Dissolved Benzene Hydrographs
Appendix C	WDNR Operation, Maintenance, Monitoring, and Optimization Form (Form 4400-194)
Appendix D	Waste Disposal Manifests
Appendix E	Phase II System Cycle Counter Tracking
Appendix F	Well Abandonment Forms 3300-005
Appendix G	Groundwater Analytical Statistical Analysis

2021 Annual Progress Report

Former Amoco Terminal

2904 Winter Street, Superior, Wisconsin

1.0 INTRODUCTION AND SCOPE OF WORK

Antea®Group is submitting this progress report documenting work conducted from January 1 to December 31, 2021 at the Former Amoco Terminal in Superior, Wisconsin. The Former Amoco Terminal is comprised of two investigation areas and three open Bureau for Remediation and Redevelopment Tracking System (BRRTS) numbers, the Terminal (BRRTS #02-16-000331) and the Barge Dock (BRRTS #02-16-117873 and BRRTS #02-16-297979).

The work conducted from April through October 2021 included:

- **Groundwater Monitoring**
 - 118 wells were gauged in May 2021 and semi-annual groundwater sampling was conducted in May and October 2021 for 18 wells. Groundwater samples, two duplicates and one trip blank were submitted for laboratory analysis for Petroleum Volatile Organic Compounds (PVOC) and naphthalene during both rounds of sampling. Well gauging data and analytical results are presented in **Section 3.2 and 3.3**, respectively.
- **Barge Dock Phase II LNAPL Skimming System Operation, Maintenance, and Monitoring**
 - The seasonal Phase II system operated with limited interruption from April 28 through October 28, 2021. System data was collected during 18 monitoring events. Phase II system data is presented in **Section 3.4**.
- **LNAPL Recovery MRW-3 and LRMW-7**
 - A seasonal skimming pump tied into the Phase II System operated in well MRW-3 from April 28 through October 28, 2021. System data was collected during 19 monitoring events during the operating period. MRW-3 system data is presented in **Section 3.6**.
 - A second seasonal skimming pump tied into the Phase II System operated in well LRMW-7 from April 28 through May 27, 2021. The seasonal skimming pump was removed from the well on May 27, 2021 due to limited recovery. System data was collected during 5 monitoring events during the operating period. LRMW-7 system data is presented in **Section 3.7**.
- **Abandonment of Five Groundwater Monitoring Wells at the Former Terminal - FedEx Construction Site**
 - Five wells (MW-3, MW-23, RW-6, EW-9 and EW-10) formerly located on the Terminal property were abandoned as detailed in the Well Abandonment Work Plan, an attachment to Request to Manage Materials Form 4400-315, submitted by FedEx on June 14, 2021.

2.0 SITE LOCATION AND BACKGROUND

The Former Amoco Terminal is located at 2904 Winter Street in Superior, Wisconsin in the SE ¼ of the NE ¼ of Section 16, Township 49 North Range 14 West, Douglas County, Wisconsin (NE ¼ Sec. 25, SE ¼, Sec. 24 T24N, R20E). The Former Amoco Terminal is comprised of two investigation areas and three open BRRTS numbers, the Terminal (BRRTS #02-16-000331) and the Barge Dock (BRRTS #02-16-117873, #02-16-297979). The Terminal, which was sold by BP in July 2000 to RRS Inc., is 42 acres and has been subdivided for commercial redevelopment. The Barge Dock is 12.6 acres, 3,900 feet long by approximately 125 to 136 feet wide; the two investigation areas are separated by Winter Street and a railroad right of way. An area properties map

illustrating the location of the Terminal and Barge Dock and identifying the associated BRRTS numbers for properties surrounding the site is included as **Figure 1**. An area properties map illustrating the location of BRRTS numbers for the properties which make up the Former Amoco Terminal site is included as **Figure 2**. A map illustrating the wells included in the Amoco Barge Dock, Manifold & Above Ground Storage Tank (AST) Area, and the Terminal Area is included as **Figure 3**.

The Former Amoco Terminal has been used for petroleum storage by various entities since the late 1800s. It had been used by Amoco and its predecessors as a bulk petroleum storage terminal from 1908 until 1999. The Terminal formerly operated with ASTs, an office building, truck loading racks, and a railroad loading rack. The Barge Dock formerly included underground and above ground pipelines, a manifold, ASTs, a railroad loading rack, and a truck loading rack. All Amoco petroleum operations ceased at both properties in 1999. Tanks, rail lines, and loading racks have been removed. Pipelines that connected the Barge Dock to the Terminal were removed within the boundaries of the Barge Dock property in 2003. The remaining extent of pipelines identified within the Terminal and between the Terminal and Barge Dock properties were removed or abandoned in 2020.

Building expansion in the Winter Business Park (**Figure 1**) has included the construction of FedEx Ground Package System at 2929 Halvor Lane in October 2005, and construction of Guardian Pest Solutions at 3131 Halvor Lane in July of 2016. In April 2021, FedEx Corporation entered into a sale agreement to purchase adjacent land to the existing facility at 2929 Halvor Lane. Parcels were resurveyed, and property owned by HCI Limited Partnership and operated by FedEx is shown in **Figure 1**. The remaining Terminal land parcels were purchased in April 2020 by Thompson Land Company and are planned for future sale and commercial and/or industrial redevelopment.

3.0 ACTIVITIES COMPLETED APRIL THROUGH OCTOBER 2021

3.1 GROUNDWATER GAUGING AND BAILING

During field mobilization events in April 2021, all 118 onsite wells (34 Terminal wells, 68 Barge Dock wells, and 16 North Barge Dock wells) were gauged for depth to water and depth to LNAPL (**Table 1**). All groundwater and LNAPL measurements were obtained using a water level indicator or an oil/water interface probe, which indicates when a probe is in contact with the groundwater or LNAPL in the well. All measurements were recorded to the nearest 0.01-foot. The 2021 Groundwater Sampling Plan (**Table 2**) shows the semi-annual and annual gauging list as well as the semi-annual groundwater sampling schedule. Groundwater and LNAPL gauging data since 1988 are included in **Table 3** (Terminal) and in **Table 4** (Barge Dock). LNAPL extent maps constructed for wells on the Barge Dock and Terminal are presented as **Figure 10** and **Figure 11**. The LNAPL extents are displayed for wells with current gauged LNAPL thicknesses as well as abandoned LNAPL wells and historical CPT/LIF results. LNAPL spatial extents documented during the May gauging events were consistent with historical gauging. Groundwater contour maps constructed with data collected from the full site gauging event on May 24, 2021 are presented as **Figure 4** (Barge Dock, shallow wells), **Figure 5** (Barge Dock, deep wells), and **Figure 6** (Barge Dock, DD level wells).

- Wells in AOCs 9 through 13 (**Figure 10**) exhibited LNAPL thicknesses ranging from 0.63 in LRMW-11 to non-detect LNAPL thicknesses in MWRR-8 which are insufficient for LNAPL recovery. Wells in these AOCs were gauged annually.
- Wells near the edge of the LNAPL plume in the Manifold area (MRW-10, MRW-9, and MWM-6) were regularly gauged during O&M events to demonstrate LNAPL plume stability and limited LNAPL recharge. MRW-09 has not had gauged LNAPL since 7/7/2016. LNAPL thicknesses ranged from 0.51 to

0.53 feet in MRW-10 and from 0.10 to 0.13 feet in MWM-6, thicknesses which were insufficient for LNAPL recovery.

- Wells bailed from April 29 through October 19, 2021 are included in **Table 1** and total annual recovery is as follows:
 - Manifold/AST Area BRRTs #02-16-117873:
 - LRMW-7 (41.5 gallons)
 - MWASt-4 (48.75 gallons)
 - Terminal BRRTs #02-16-00033:
 - MW-32 (1.05 gallons)
 - EW-11 (32.25 gallons)
 - RW-06 (1.65 gallons)
 - MW-23 (2.5 gallons)

Groundwater elevation contour maps constructed from gauging data collected from all wells during the May 2021 gauging and sampling event (**Section 3.3**) illustrate a prevailing north-northwest groundwater gradient. The inferred groundwater flow direction on the Barge Dock and Manifold is also to the north-northwest, which is consistent with historical data collected at the site (**Figures 4, 5, and 6**).

3.2 GROUNDWATER SAMPLING

Groundwater samples collected during the May and October 2021 semi-annual sampling events followed the 2021 Sampling Plan presented as **Table 2**. Before collecting the samples, a minimum of 3 well volumes were purged from each well prior to sampling and the groundwater samples were retrieved using disposable well bailers. Water samples were transferred to containers provided by Pace Analytical Services, Inc. (Pace) of Green Bay, Wisconsin with the appropriate preservative and stored on ice until being submitted for analysis. All groundwater samples were submitted to Pace for laboratory analysis of PVOcs and Naphthalene. Chain of custody records are provided with all laboratory reports. Copies of the groundwater analytical laboratory reports are included in **Appendix A**. Groundwater analytical results since 1988 are included in **Table 5** (Terminal) and since 2003 in **Table 6** (Barge Dock).

Semi-annual groundwater sampling was completed from May 25 to May 27, 2021 and from October 4 to October 5, 2021. During both groundwater sampling events, samples were collected from 18 monitoring wells. In addition, two sample duplicates and a trip blank were submitted during both sampling events.

- The following 18 wells were sampled during May and October 2021 events: MW-30D, MW-30S, MW-36D, MW-37D, MW-37DD, MW-40D, MW-41D, MW-45D, MW-46D, MW-49S, MWT-2D, MWM-2D, MWM-7D, MWM-9RD, MWM-10D, MWRR-1D, MWOW-2D, and MWBD-1D.

3.2.1 MAY GROUNDWATER SAMPLING RESULTS

- Water samples from the following wells were reported to exceed the Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (NR 140 ES) for Benzene (5 µg/L) in May 2021: MW-41D (11.2 µg/L), MW-45D (94.3 µg/L), MW-30S (2,510 µg/L), (MWBD-1D (64.1 µg/L), MW-45D (94.3 µg/L), MWRR-1D (444 µg/L), MWM-10D (1,500 µg/L), MW-37DD (987 µg/L), MW-36D (1,600 µg/L), MW-30D (1,890 µg/L), MWM-7D (2,710 µg/L), MWM-9RD (2,130 µg/L), MW-37D (2,200 µg/L), and MWT-2D (2,720 µg/L).
- Water samples from the following wells were reported to exceed the NR 140 ES for Naphthalene (100 µg/L) in May 2021: MW-30S (384 µg/L), MW-30D (196 µg/L) and MWT-2D (111 µg/L).

- Water samples from the following wells were reported to exceed the NR 140 ES for Methyl Tertiary Butyl Ether (MTBE) (60 µg/L) in May 2021: MWT-2D (115 µg/L), MWM-9RD (368 µg/L).
- No water samples were reported to exceed the NR 140 ES for Toluene (800 µg/L) in May 2021.
- No water samples were reported to exceed the NR 140 ES for Ethylbenzene (700 µg/L) in May 2021.
- No water samples were reported to exceed the NR 140 ES for Xylene (2,000 µg/L) in May 2021.
- No water samples were reported to exceed the NR 140 ES for Total Trimethylbenzene (480 µg/L) in May 2021.

3.2.2 OCTOBER GROUNDWATER SAMPLING RESULTS

- Water samples from the following wells were reported to exceed the Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (NR 140 ES) for Benzene (5 µg/L) in October 2021: MWBD-1D (68.5 µg/L), MW-45D (104 µg/L), MWRR-1D (68.5 µg/L), MWM-10D (1,380 µg/L), MW-36D (1,360 µg/L), MW-30D (1,910 µg/L), MW-30S (2,210 µg/L), MW-37D (2,270 µg/L), MW-37DD (1,060 µg/L), MWM-9RD (2,350 µg/L), MWM-7D (2,650 µg/L), and MWT-2D (2,520 µg/L).
- Water samples from the following well was reported to exceed the NR 140 ES for Naphthalene (100 µg/L) in October 2021: MW-30D (163 µg/L), and MW-30S (309 µg/L).
- Water samples from the following wells were reported to exceed the NR 140 ES for Methyl Tertiary Butyl Ether (MTBE) (60 µg/L) in October 2021: MWT-2D (111 µg/L) and MWM-9RD (480 µg/L).
- Water samples from the following wells were reported to exceed the NR 140 ES for Toluene (800 µg/L) in October 2021: MW-30S (2,130 µg/L).
- No water samples were reported to exceed the NR 140 ES for Ethylbenzene (700 µg/L) in October 2021.
- No water samples were reported to exceed the NR 140 ES for Xylene (2000 µg/L) in October 2021.
- No water samples were reported to exceed the NR 140 ES for Total Trimethylbenzene (480 µg/L) in October 2021.

3.2.3 GROUNDWATER SAMPLING TRENDS

The areal extent of the dissolved-phase benzene plume in the shallow (water table) zone on the Barge Dock parcel from the May and October 2021 groundwater sampling data is illustrated in **Figures 7a and 7b**.

- Concentrations in well MW-49S experienced anomalous benzene concentrations during October 2018 sampling events (1,970 µg/L). The well has remained on the semi-annual groundwater sampling list, and benzene concentrations in the well over the last six sampling events have remained below or near benzene enforcement standards. The most recent groundwater sampling event for the well reported a benzene concentration of 0.32 µg/L (October 2021). This well will continue to be sampled on a semi-annual basis to verify contaminant concentration trends.
- Monitoring well MW-30S is located in the area where the thickness of the surficial clay layer starts to increase and terminates near the historical range of groundwater levels. From the boring log for MW-30S, the stiff red clay layer was observed to extend to a depth of 15 ft bgs, at which point the lithology changes to water bearing fine to medium grain sand. This lithostratigraphy creates unique variations in hydraulic pressure, with greater hydraulic pressures when the water table (represented as the piezometric) is located within the clay layer, and lower pressures when the water table is below the clay and within the sand layer. As shown in the hydrograph for MW-30S, the dissolved-phase benzene concentrations tend to vary based on the groundwater levels, with the higher benzene concentrations observed during lower hydraulic pressures when the water table drops to levels near the base of the clay at 15 feet bgs. The seasonal high benzene concentrations observed over the last 22 years of sampling are range bound (vary within a certain range around the trend line), while the high concentrations exhibit a decreasing trend as shown in **Appendix B**.

- The Barge Dock dissolved-phase benzene plume in the “D” level vertical delineation zone extends west of the manifold and beneath the C. Reiss Coal property to the west edge of the Hallett Dock property and is delineated horizontally and vertically by wells within “S”, “D”, “DD”, and “DDD” screened depths.
 - The inferred areal and vertical extent of the dissolved-phase benzene plume within the “D” level is fully delineated by the historical non-detect concentrations in multiple vertical levels of delineation wells which include MW-30DDD, MW-37DDD, MW-38DD, MW-41DD, MW-50D, MW-51D, MW-52D, and MW-52DD (**Table 6**). Wells MW-50D, MW-51D, MW-52D, and MW-52DD define the vertical extent of the dissolved phase plume to the west and wells MW-41D, MW-38D, and MW-38DD define the vertical extent of the dissolved phase plume to the north.
 - MWBD-1D benzene concentrations have continued to decrease since the historical high of 213 µg/L in May 2016, and historical non-detect results for benzene in well MWBD-1DD fully delineate the dissolved phase vertical extent in the area.

Historic dissolved benzene graphs and groundwater hydrographs are presented for ten of the sampled vertical delineation wells (MW-30S, MW-30D, MWT-2D, MWM-9RD, MWM-7D, MW-36D, MWM-10D, MW-37D, MW-41D, and MWBD-1D) in **Appendix B**. These wells demonstrate the dissolved phase benzene trends within the plume and are delineated both horizontally and vertically by wells with non-detect concentrations or concentrations below NR 140 ES. Dissolved benzene concentrations correlate with groundwater levels, with low groundwater levels producing higher dissolved-phase concentrations. Well MWM-7D exhibited the lowest groundwater level since May 2015 during the October 2021 sampling event, which has resulted in increasing benzene concentrations. These concentrations are still consistent with historical results as described in **Section 3.2.4**. Similar results were observed in well MWM-10D, which exhibited the lowest groundwater level since May 2015 during the October 2021 sampling event, which correlated with higher benzene concentrations that are still within historical range of sampling results (**Section 3.2.4**). Both of these wells are located near the center to the eastern extent of the dissolved phase plume as shown in **Figures 8a and 8b**.

3.2.4 GROUNDWATER ANALYTICAL ANALYSIS

Groundwater sampling for the select dissolved-phase plume monitoring wells is currently conducted on a semi-annual basis. Semi-annual or quarterly sampling is often conducted to observe the effect of seasonal variations in groundwater elevations or contaminant migration, although many of the monitor wells at the Superior Terminal have been sampled on a semi-annual basis for 1, 2 or even 3 decades. Remediation completed at the Terminal and Barge Dock has reduced the volume of LNAPL, which has removed a great amount of petroleum mass that otherwise would have entered into the groundwater as dissolved-phase hydrocarbons (Antea Group, 2019)¹. This has led to stable or decreasing dissolved-phase petroleum hydrocarbon concentrations in monitor wells in the dissolved phase plume; especially over the last decade.

Stable or decreasing dissolved-phase concentrations have been observed in three long-standing monitor wells located north of Winter Street – MWT-2D, MW-30S, and MW-30D. Each of these monitor wells has been sampled for more than one decade on a semi-annual basis, as shown in **Figure 10** which includes the graphs of benzene concentrations over the entire sampling record. Monitor well MWT-2D has a sampling record that spans about 1½ decades, while the sampling records for monitor wells MW-30D and MW-30S span 2½ and 3 decades, respectively. In the case of monitor wells MWT-2D and MW-30D, the variability in benzene concentrations was readily apparent early in the sampling record but has since become stable, with decreasing trends. The reason for benzene concentrations becoming stable in monitor wells MWT-2D and MW-30D is

¹ Antea Group (2019) *Technical Memorandum – Evidence and Quantification of LNAPL Mass Depletion*.

related to the depletion of the residual LNAPL through active remediation, as well as natural source zone depletion (NSZD), and subsequent degradation of the dissolved-phase hydrocarbons through natural attenuation. The lack of a clear, stable trend in benzene concentrations for monitor well MW-30S has been attributed to that well’s proximity to a thickening of the surficial clay unit whereby changes in groundwater elevation produces alternating confined and unconfined conditions that appear to produce an increase in benzene concentration when the groundwater elevation decreases. This would suggest that dissolved-phase, sorbed, or residual hydrocarbons held above the clay-sand interface during periods of high groundwater elevation are then able to enter the screen of monitor well MW-30S when the groundwater elevation declines.

To demonstrate that benzene concentrations in most monitor wells at the site are stable, if not actually declining, the Groundwater Statistics Tool (USEPA, 2018)² was used to develop the Confidence Intervals (at the 95% level) for representative monitor wells north of Winter Street. The purpose of this analysis is to provide supporting evidence that the frequency of groundwater sampling may be reduced to annual with no detrimental effects of being able to adequately analyze and interpret the data to understand and respond to the extent, magnitude, and changes in hydrocarbon concentrations.

The Interstate Technology and Regulatory Council (ITRC, 2013)³ states that confidence limits are the maximum and minimum values bracketing the statistic of interest (usually the mean of the population data) at a certain Confidence Level (usually 95%). In other words, Confidence Limits are the maximum or minimum values above or below which you are confident (at the selected Confidence Level, such as 95%) that the statistic (the mean) will occur. Doyle (2011)⁴ stated that the Confidence Interval shows the location where there is a 95% chance the actual linear trend line of the data exists. Based on the characterization of 95% Confidence Interval cited by Doyle (2011), which constrains the location of the linear trend line, the 95% Confidence Interval is also a reasonable measure of the expected range for benzene concentrations.

The 95% Confidence Interval was calculated for 11 monitor wells as follows: MWT-2D, MW-7D, MWM-9RD, MW-10D, MW-30S, MW-30D, MW-37D, MW-37DD, MW-41D, MW-45D, and MWBD-1D. Each of these monitor wells, located north of Winter Street, has an adequate groundwater sampling record to provide reasonable statistical results, and portrays varying distributions of benzene concentrations to demonstrate the applicability of the 95% Confidence Interval in support of refinement of the sampling frequency.

The analyses for Confidence Limits for the 11 monitor wells are graphically summarized in **Appendix G**. A summary of the figures is as follows:

Well ID	Number of Data Points Analyzed	Date Range Analyzed	Data Points within 95% Confidence Limits	Spread of 95% Confidence Interval (µg/L)
MWT-2D	10	6/15/2017-10/5/2021	9	±250
MWM-7D	10	6/15/2017-10/5/2021	9	±200
MWM-9RD	10	6/15/2017-10/5/2021	8	±170

² USEPA (2018) *Groundwater Statistics Tool – User’s Guide*: USEPA, Office of Solid Waste and Emergency Response, 36 pp.

³ ITRC (2013) *Groundwater Statistics and Monitoring Compliance, Statistical Tools for the Project Life Cycle*: Interstate Technology and Regulatory Council Publication GSMC-1, 383 pp.

⁴ Doyle (2011) *Unified Guidance Class/General Statistics - Notes* as presented by Dr. Kirk Cameron (co-author and presenter of *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities – Unified Guidance*

Well ID	Number of Data Points Analyzed	Date Range Analyzed	Data Points within 95% Confidence Limits	Spread of 95% Confidence Interval (µg/L)
MWM-10D	10	6/15/2017-10/5/2021	8	±120
MW-30S	10	5/23/2016-10/5/2021	7	±900
MW-30D	10	6/14/2017-10/5/2021	8	±100
MW-37D	10	6/15/2017-10/5/2021	9	±250
MW-37DD	10	10/5/2016-10/5/2021	10	±150
MW-41D	10	10/4/2016-10/5/2021	7	±12
MW-45D	10	10/5/2016-10/4/2021	8	±20
MWBD-1D	10	6/14/2017-10/5/2021	8	±11

As shown in **Appendix G** and summarized above, a majority of the wells analyzed displayed a lack of scatter in benzene concentrations over the last 10 sampling events with 70% to 90% of the benzene concentrations within the 95% Confidence Interval. For those monitor wells where the scatter of the data was more pronounced (MW-30S and MW-41D), fluctuations can be attributed to hydrostratigraphic, well construction, or low benzene concentrations that would be affected by slight changes in mass. Maintaining the groundwater sampling schedule on a semi-annual basis would not provide any additional insights that would further refine the Conceptual Site Model or allow Antea Group and the WDNR a better approach to managing the site. Therefore, a reduction to annual groundwater sampling is recommended.

OPERATION AND MAINTENANCE OF PHASE II SYSTEM, APRIL – OCTOBER 2021

The seasonal Phase II system was operated from April 28 – October 28, 2021. System data was collected during 19 monitoring events within the cited operational period. The Phase II System was installed in 2012 as a seasonally operated (Spring through Fall) system with above-grade piping to span the LNAPL plume extending from the Barge Dock manifold across the C. Reiss Coal property to the west. The system originally consisted of a network of seven LNAPL recovery wells, of which five wells remain active (MRW-5, MRW-6, MRW-7, MRW-8, and MWM-3) as wells MRW-9 and MRW-10 at the western extent of the heritage LNAPL plume contain limited or no LNAPL thicknesses. Wells MRW-5, MRW-6, MRW-7, and MRW-8 are 6 inches in diameter, and MWM-3 is 4 inches in diameter. Each active recovery well contains a pneumatic skimming pump that tracks the water table using a floating head intake and removes LNAPL that accumulates in the recovery wells. Recovered LNAPL is pumped into a 7,000-gallon capacity, double-walled, steel AST located next to the system building. Cumulative Phase II System LNAPL recovery is illustrated in **Figure 12a** and summarized in **Table 7**. The Phase II system is monitored on an approximate weekly basis during the first months of system startup, and on a semi-weekly basis near the end of the operating season.

Approximately 95% of historical LNAPL recovered from Barge Dock wells is from the Finger Plume area (the elongated extent of LNAPL that extends to the west-southwest from the former Barge Dock manifold for approximately 700 feet, see AOC 8 in **Figure 10**), which has been recovered using the mobile skimmer, Phase I system, and Phase II system. The WDNR Operation, Maintenance, Monitoring, and Optimization Form is included in **Appendix C**.

- The total amount of LNAPL recovered by the Phase II skimming system from April 28 to October 28, 2021 was approximately 981 gallons. Annual recovery continues to exhibit decreasing trends, as the

2021 recovery totals were the lowest recoveries to date within a consistent operational period (**Figure 12c**)

- Well cycle count values were recorded and tracked for each system pump, which when using the rated pump recovery per cycle value can be converted to approximate gallons recovered between O&M events per well. Tables and graphs showing recovery per well from 2018-2021 are presented in **Appendix E**.
 - Wells MRW-7, MRW-8, and MRW-5 continue to demonstrate that they have been the primary three recovering wells within the Phase II system from 2018-2021.
- The average Phase II system product recovery rate after system startup from May 6 to October 28, 2021 was 5.3 gallons per day or approximately 1.06 gallons per day per active recovery well.
- Total LNAPL recovery since Phase II system startup in June 2012 is approximately 39,825 gallons.

Following metrics provided in ASTM E2531-06 (Standard Guide for Remediation Strategies for LNAPL), recovery systems can be defined as no longer effective when monetary costs exceed \$50/gallon equivalent with no further meaningful change in flux or longevity, or when the system achieves less than 0.1% of additional recovery per day relative to cumulative recovery totals. Operational costs for O&M events and data management were compiled for the 2021 operating season and based on the 981 gallons of recovery for the season, operational costs for the system were estimated at \$52 per gallon. In addition, the average recovery rate of 5.3 gallons per day is 0.013% of the cumulative recovery totals. Based on these metrics, and the continued decrease in system recovery, Antea Group recommends consideration be given to discontinuing LNAPL recovery through the system during the next technical assistance meeting with the WDNR in 2022 (Section 4.2) with the upcoming 2022 operating season being the last.

3.3 MRW-3 LNAPL RECOVERY

On April 28, 2020, a three-inch diameter pneumatic skimming pump was installed in MRW-3, a six-inch diameter monitoring well. The skimming pump has a fixed intake which removes LNAPL that accumulates in the recovery well. Recovered LNAPL is pumped through a high-density polyethylene (HDPE) product line into a 1,000-gallon storage tank. An airline was installed that connects the MRW-3 pump to the Phase II System compressor to operate the pump.

The LNAPL recovery pump operated from April 28 to October 28, 2020. System data was collected over 18 monitoring events (**Table 9**). Product thicknesses during system operation ranged from 7.91 feet on April 28 to 0.09 feet on August 10 (**Table 4**). The pump was shut off on October 28, 2021 for the end of the seasonal operating period. The total product recovery from 2021 pump operations was 200.6 gallons of LNAPL. Total product recovered from the well since pump operations began in 2017 is 715.3 gallons.

The LNAPL recovery pump will only be reinstalled during the 2021 season if sufficient LNAPL exists and is sustained in the well. If sustained product does not exist, regular gauge and bail events will be utilized for product recovery.

3.4 LRMW-7 LNAPL RECOVERY

On April 28, 2021, a three-inch diameter pneumatic skimming pump was installed into LRMW-7, a four-inch diameter monitoring well. The skimming pump has a fixed intake which removes LNAPL that accumulates in the recovery well. Recovered LNAPL is pumped through a HDPE product line into a 1,000-gallon storage tank that had been previously used for storage of hand bailed product. An airline, installed on August 30, 2017, connects the LRMW-7 pump to the Phase II System compressor to operate the pump.

The LNAPL recovery pump operated from April 28 through May 27, 2021. System data was collected over 5 monitoring events (**Table 10**). Product thicknesses during system operation ranged from 8.36 feet on April 28 to 5.54 feet on May 6. The system was shut off on May 27, 2021 and the pump was removed due to limited recovery. The LNAPL from the well was removed by bailing for the remainder of the operating season. The total product recovery from 2021 pump operations was 6.3 gallons of LNAPL. Total product recovered from the well since pump operations began in 2017 is 257.4 gallons.

LRMW-7 was gauged and bailed eleven times from May 28 to October 19, 2021 with total recovery of 41.5 gallons of LNAPL (**Table 1**). Regular gauge and bail events will be utilized for product recovery during the 2022 season.

3.5 WELL ABANDONMENTS

FedEx Ground Package System (FedEx) at 2929 Halvor Lane completed contracts for the purchasing of additional parcels adjacent to the existing facility in April 2021, and redevelopment plans were submitted for the expansion of the existing facility to include additional semi-truck and auto parking spaces. In order to accommodate the proposed expansion plans and redevelopment for the FedEx facility, the consultant (BBJ Group) requested that existing monitoring and recovery wells near the proposed expansion be abandoned. A Well Abandonment Work plan for the abandonment of monitoring and recovery wells MW-3, MW-23, and RW-06 was submitted on March 12, 2021 as an attachment to the Request to Manage Materials Form 4400-3615, submitted by BBJ Group (their consultant) on May 24, 2021. After verification of the site development plans, an addendum to the Well Abandonment Plan to include the abandonment of monitoring wells EW-09 and EW-10 was submitted by BBJ Group on June 14, 2021. In the Materials Management Plan approval letter sent by the WDNR on August 31, 2021, an approval was received for the abandonment of the five requested monitoring and recovery wells.

Abandonment of the monitoring and recovery wells was completed by Bergerson Caswell Inc under the supervision of Antea Group on August 31, 2021. All wells were filled using hydrated bentonite pellets. Prior to abandonment the depth to product and depth to water values were gauged. Original well construction details, casing recovery totals, and grout totals are included in the table below:

Well ID	Well Diameter (inches)	Well Screened Interval (ft bgs)	Total Well Depth (ft bgs)	Casing Height Removed (ft bgs)	Grout Fill (lb)
MW-3	2	14.3-24.3	25	3	25
MW-23	2	9.2-24.2	25.4	3	25
RW-06	6	18.5-45.2	45.2	15	500
EW-09	4	15-35	35	1.5	200
EW-10	4	15-35	35	5	200

Well abandonment forms are included in **Appendix F**.

3.6 WASTE DISPOSAL

Green for Life Environmental (GFL, formerly Future Environmental) removed approximately 2,200 gallons of investigation-derived liquid waste (purge water, hand bailed LNAPL, and LNAPL system recovered groundwater) from the site on October 29, 2021. The liquid waste was treated at GFL's facility in Mokena, IL for oil recovery and water treatment. The waste manifests are included in **Appendix D**.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 CONCLUSIONS

- The following LNAPL recovery systems were active during the April to October 2021 operating period:
 - Cumulative Phase II system recovery for the 2021 season was 981 gallons, which is a continuation of the declining trends of LNAPL recovery year after year (**Figure 12b**). This declining trend is expected to continue during the 2022 season.
 - Pneumatic pump cycle counts for wells in the Phase II system show varying liquid recovery rates per well, with a majority of the recovered fluids coming from two of the operating pumps (MRW-7 and MRW-8).
 - The pneumatic skimming pump in MRW-3 recovered approximately 200.6 gallons of LNAPL from April 28 through October 28, 2021. The system has recovered approximately 715.3 gallons of LNAPL since recovery pump installation on August 22, 2017.
 - The pneumatic skimming pump in LRMW-7 recovered approximately 6.3 gallons of LNAPL from April 28 through May 27, 2021. The system has recovered approximately 257.4 gallons of LNAPL since pump installation on August 30, 2017.
- Groundwater sampling analytical results at well MW-30S display correlations to groundwater levels and the stratigraphy at the well. The dissolved phase benzene high concentrations correlate with the low water levels, and these seasonal high concentrations exhibit a decreasing trend.
- Dissolved benzene concentrations also correlate with water levels at deep level wells. Wells MWM-7D and MWM-10D had the lowest water levels in 6 years during the October 2021 sampling event, which resulted in increased benzene concentrations. These concentrations are still within the historical sampling range.
- For the regularly sampled dissolved phase monitoring wells, analytical results display a lack of scatter over the last 10 sampling events, and a majority of results fall within a 95% confidence interval. Based on these statistically consistent results, maintaining the groundwater sampling schedule on a semi-annual basis would not provide any additional insights that would further refine the Conceptual Site Model or allow Antea Group and the WDNR a better approach to managing the site.
- North Barge Dock wells in AOCs 9-13 continue to exhibit limited (0.00 to 0.63 feet) LNAPL thicknesses (**Table 1**) and no LNAPL recovery potential.
- Five Terminal wells, MW-3, MW-23, RW-06, EW-9, and EW-10, were abandoned on the Terminal property to allow for construction and expansion of the adjacent FedEx facility.

4.2 RECOMMENDATIONS

- The Phase II system has reached asymptotic recovery, and following metrics provided in ASTM E2531-06 can be defined as no longer effective. This effectiveness is based on the estimation that the 981 gallons of recovery in 2021 exceeded the \$50/gallon economic metric and the calculation that the average recovery rate of 5.3 gallons per day is 0.013% of the cumulative recovery totals (39,825 gallons). Based on these metrics, Antea Group recommends discussing discontinuing the Phase II recovery system following the 2022 operating season.

- Continue operation of LNAPL recovery pump in well MRW-3 if sufficient thicknesses exist and recovery is sustained. The LNAPL recovery pump will be removed if sustained recovery is not observed, and the wells will be switched to a regular gauge and bail schedule.
- Continue annual reporting of site operations and events. Work summaries for January through June 2022 events will be compiled and submitted to maintain compliance with online reporting in accordance with NR 700.
- Adjust the groundwater sampling to an annual frequency which will include gauging and sampling wells included on the 2022 Groundwater Sampling Plan in the spring (**Table 8**).
- A technical assistance meeting will be requested before the 2022 Site operating season begins to discuss the site investigation events and sampling results completed from 2019-2021. These site activities were completed in response to comments and suggestions included in letters from the WDNR (dated June 27, 2019) as well as discussions held at the Technical Assistance meeting on September 16, 2019. The goal of these activities was to complete site delineation, so that revised Site Investigation Reports (SIRs) for the three BRRTS number sites could be submitted under anticipated department approval. The revised SIRs are anticipated to be submitted by June 30, 2023.
- Remedial Action Option Reports (ROARs) for the three BRRTS number sites will be revised according to comments and suggestions included in letters from the WDNR (dated June 27, 2019) as well as discussions held at the Technical Assistance meeting on September 16, 2019, and the anticipated 2022 Technical Assistance meeting. The three reports are anticipated to be resubmitted by January 30, 2024.

6.0 REMARKS

The recommendations contained in this report represent Antea USA, Inc.'s professional opinions based upon the currently available information and are arrived at in accordance with currently accepted professional standards. This report is based upon a specific scope of work requested by the client. The contract between Antea USA, Inc. and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Antea USA, Inc.'s client and anyone else specifically identified in writing by Antea USA, Inc. as a user of this report. Antea USA, Inc. will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Antea USA, Inc. makes no express or implied warranty as to the contents of this report.



Date: February 8, 2022

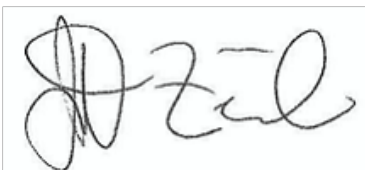
Layne Kortbein
Project Professional



Date: February 8, 2022

Wayne Hutchinson, PG, PH
Senior Hydrogeologist

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Date: February 8, 2022

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Tables

Table 1	2021 Gauge and Bail Table
Table 2	2021 Groundwater Sampling Plan
Table 3	Groundwater and LNAPL Gauging Data - Terminal
Table 4	Groundwater and LNAPL Gauging Data – Barge Dock
Table 5	Groundwater Analytical Results - Terminal
Table 6	Groundwater Analytical Results – Barge Dock
Table 7	Phase II System LNAPL Recovery Summary
Table 8	2022 Groundwater Sampling Plan
Table 9	MRW-3 LNAPL Recovery Summary
Table 10	LRMW-7 LNAPL Recovery Summary

Table 1
Gauge and Bail 2021

Well	2021 Season	4/29/2021			5/6/2021			5/13/2021			5/19/2021			5/28/2021			6/8/2021			6/22/2021			7/1/2021		
	TOTAL BAILED	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)
RW-8	0																								
RW-9	0																								
MW-32	1.05				16.35	17.03	0.1	16.56	17.12	0.1							16.65	17.24	0.1						
MWM-6	0																								
MWM-7	0																								
MWM-7D	0																								
MRW-9	0																								
MRW-10	0																								
MWAST-2	0																								
MWAST-3	0																								
MWAST-6	0																								
LRMW-1	0																								
LRMW-2	0																								
LRMW-3	0																								
LRMW-4	0																								
LRMW-5	0																								
LRMW-6	0																								
LRMW-7	41.50													11.53	19.3	6.0	12.15	20.05	6.0	12.82	19.55	5	12.56	18.38	4
LRMW-8	0																								
LRMW-9	0																								
LRMW-10	0																								
LRMW-11	0																								
MRW-1	0																								
MRW-2	0																								
MRW-3	0.0																								
MRW-4	0																								
MWBD-1	0																								
MWRR-1	0																								
MWRR-2	0																								
MWRR-4	0																								
MWRR-8	0																								
MWOW-1	0																								
MWOW-2	0																								
MWOW-3	0																								
MWOW-5	0																								
RWAST-1	0																								
RWAST-2	0																								
MWAST-8	0																								
MWAST-9	0																								
MWM-4	0																								
MWAST-4	48.75	13.12	14.13	1.5	13.06	14.52	3	13.24	14.72	1.5				13.13	14.12	2.5	13.3	14.72	2	13.74	15.69	3	13.69	15.47	3
MRW-5	0																								
MRW-6	0																								
MRW-7	0																								
MWM-2	0																								
MWM-2D	0																								
MWM-3	0																								
MWM-9RS	0																								
MWM-9RD	0																								
MWM-10S	0																								
MWM-10D	0																								
MRW-8	0																								
MWT-2S	0																								
MWT-2D	0																								
MWT-6	0																								
MW-16	0																								
RW-4	0																								
RW-1	0																								
MW-14	0																								
MW-17	0																								
RW-3	0																								
MW-22	0																								
EW-6	0																								

Table 1
Gauge and Bail 2021

Well	2021 Season	4/29/2021			5/6/2021			5/13/2021			5/19/2021			5/28/2021			6/8/2021			6/22/2021			7/1/2021			
	TOTAL BAILED	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	
EW-7	0																									
EW-8	0																									
EW-9	0																									
EW-10	0																									
EW-11	32.25				18.73	23.05	8	18.96	22.51	6	18.91	22.88	5.75	18.89	22.5	5.5	18.6	23.47	7							
RW-5	0																									
RW-6	1.65	17.86	18.83	1	18.15	18.46	0.25	18.26	18.45	0.1	18.35	18.53	0.1	18.20	18.38	0.1	18.21	18.36	0.1							
MW-10	0																									
MW-23	2.5	12.86	15.26	1.5	13.53	14.52	0.5	14.00	14.55	0.1	14.25	14.92	0.2	13.97	14.61	0.1	14.2	14.83	0.1							
MW-27	0																									
MW-3	0																									
MW-30S	0																									
MW-30D	0																									
MW-30DD	0																									
MW-31	0																									
MW-33	0																									
MW-34	0																									
MW-35	0																									
MW-38D	0																									
MW-38S	0																									
MW-40S	0																									
MW-40D	0																									
MW-37S	0																									
MW-37D	0																									
MW-37DD	0																									
MW-37DDD	0																									
MW-36S	0																									
MW-36D	0																									
MW-36DD	0																									
MW-41S	0																									
MW-41D	0																									
MW-41DD	0																									
MW-46S	0																									
MW-46D	0																									
MW-45D	0																									
MW-45S	0																									
MW-48S	0																									
MW-48D	0																									
MW-49S	0																									
MW-49D	0																									
MWBD-1D	0																									
MW-24	0																									
MW-25	0																									
MWRR-1D	0																									
MW-30DDD	0																									
MW-38DD	0																									
MW-50D	0																									
MW-51D	0																									
MW-52D	0																									
MW-52DD	0																									
MWOW-2D	0																									
MWBD-1DD	0																									
MW-26	0																									
TOTAL	127.7			4			11.85			7.8			6.05			14.2			15.3			8			7	

Table 1
Gauge and Bail 2021

Well	2021 Season	7/12/2021			7/27/2021			8/3/2021			8/24/2021			9/14/2021			9/28/2021			10/19/2021		
	TOTAL BAILED	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)
RW-8	0																					
RW-9	0																					
MW-32	1.05				17.5	18.5	0.1				17.86	19.02	0.1	17.98	19.34	0.1	17.86	19.15	0.2	17.82	18.97	0.25
MWM-6	0																					
MWM-7	0																					
MWM-7D	0																					
MRW-9	0																					
MRW-10	0																					
MWAST-2	0																					
MWAST-3	0																					
MWAST-6	0																					
LRMW-1	0																					
LRMW-2	0																					
LRMW-3	0																					
LRMW-4	0																					
LRMW-5	0																					
LRMW-6	0																					
LRMW-7	41.50	13.10	18.81	4	13.66	18.86	3	14.24	17.40	2.5	14.58	18.92	3	14.40	18.83	3.5	14.32	17.79	2.25	14.06	18.42	2.25
LRMW-8	0																					
LRMW-9	0																					
LRMW-10	0																					
LRMW-11	0																					
MRW-1	0																					
MRW-2	0																					
MRW-3	0.0																					
MRW-4	0																					
MWBD-1	0																					
MWRR-1	0																					
MWRR-2	0																					
MWRR-4	0																					
MWRR-8	0																					
MWOW-1	0																					
MWOW-2	0																					
MWOW-3	0																					
MWOW-5	0																					
RWAST-1	0																					
RWAST-2	0																					
MWAST-8	0																					
MWAST-9	0																					
MWM-4	0																					
MWAST-4	48.75	13.80	15.97	4	14.13	16.93	4	14.19	17.04	4	14.42	18.26	5	14.55	18.64	6	14.56	18.04	5	14.6	17.91	4.25
MRW-5	0																					
MRW-6	0																					
MRW-7	0																					
MWM-2	0																					
MWM-2D	0																					
MWM-3	0																					
MWM-9RS	0																					
MWM-9RD	0																					
MWM-10S	0																					
MWM-10D	0																					
MRW-8	0																					
MWT-2S	0																					
MWT-2D	0																					
MWT-6	0																					
MW-16	0																					
RW-4	0																					
RW-1	0																					
MW-14	0																					
MW-17	0																					
RW-3	0																					
MW-22	0																					
EW-6	0																					

Table 1
Gauge and Bail 2021

Well	2021 Season	7/12/2021			7/27/2021			8/3/2021			8/24/2021			9/14/2021			9/28/2021			10/19/2021			
	TOTAL BAILED	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	DTP	DTW	Total Bailed (gal)	
EW-7	0																						
EW-8	0																						
EW-9	0																						
EW-10	0																						
EW-11	32.25																						
RW-5	0																						
RW-6	1.65																						
MW-10	0																						
MW-23	2.5																						
MW-27	0																						
MW-3	0																						
MW-30S	0																						
MW-30D	0																						
MW-30DD	0																						
MW-31	0																						
MW-33	0																						
MW-34	0																						
MW-35	0																						
MW-38D	0																						
MW-38S	0																						
MW-40S	0																						
MW-40D	0																						
MW-37S	0																						
MW-37D	0																						
MW-37DD	0																						
MW-37DDD	0																						
MW-36S	0																						
MW-36D	0																						
MW-36DD	0																						
MW-41S	0																						
MW-41D	0																						
MW-41DD	0																						
MW-46S	0																						
MW-46D	0																						
MW-45D	0																						
MW-45S	0																						
MW-48S	0																						
MW-48D	0																						
MW-49S	0																						
MW-49D	0																						
MWBD-1D	0																						
MW-24	0																						
MW-25	0																						
MWRR-1D	0																						
MW-30DDD	0																						
MW-38DD	0																						
MW-50D	0																						
MW-51D	0																						
MW-52D	0																						
MW-52DD	0																						
MWOW-2D	0																						
MWBD-1DD	0																						
MW-26	0																						
TOTAL	127.7			8			7.1			6.5			8.1			9.6			7.45				6.75

Table 2
Groundwater Sampling Plan - 2021
Former Amoco Terminal
Superior, Wisconsin

Area/Well	Last Benzene ug/l	2020 Spring Sampling	2020 Fall Sampling	Semi-Annual Gauge DTW/LNAPL	Annual Gauge DTW/LNAPL (Spring)
EW-5	LNAPL				X
EW-6	LNAPL				X
EW-7	385				X
EW-8	407				X
EW-9	28.1				X
EW-10	1.4				X
EW-11	LNAPL				X
MW-10	3.1				X
MW-14	LNAPL				X
MW-16	LNAPL				X
MW-17	<0.40				X
MW-22	LNAPL				X
MW-23	LNAPL				X
MW-24	LNAPL				X
MW-25	LNAPL				X
MW-26	LNAPL				X
MW-27	LNAPL				X
MW-30D	1870	X	X	X	X
MW-30DD	<0.31			X	X
MW-30S	1910	X	X	X	X
MW-30DDD	<0.31			X	X
MW-31	<0.40				X
MW-32	LNAPL			X	X
MW-33	<0.40				X
MW-36D	1600	X	X	X	X
MW-36DD	<0.31			X	X
MW-36S	<0.31			X	X
MW-37D	2170	X	X	X	X
MW-37DD	1.4	X	X	X	X
MW-37S	<0.31			X	X
MW-37DDD	2.2			X	X
MW-38D	<0.31			X	X
MW-38S	<0.31			X	X
MW-38DD	<0.31			X	X
MW-40D	<0.31	X	X	X	X
MW-40S	<0.31			X	X
MW-41D	0.64J	X	X	X	X
MW-41S	<0.31			X	X
MW-41DD	<0.31			X	X
MW-45D	105	X	X	X	X
MW-45S	<0.31				X
MW-46D	<0.31	X	X	X	X
MW-46S	<0.31				X
MW-48S	<0.31			X	X
MW-48D	<0.40			X	X
MW-49S	6.4	X	X	X	X
MW-49D	<0.31			X	X
MW-50D	<0.31			X	X
MW-51D	<0.31			X	X
MW-52D	<0.31			X	X
MW-52DD	<0.31			X	X
MWT-2D	2550	X	X	X	X
MWT-2S	<0.31				X
MWT-6	59.8				X
RW-1	LNAPL				X
RW-3	4560				X
RW-4	LNAPL				X
RW-5	LNAPL				X
RW-6	LNAPL				X
RW-8	LNAPL				X
RW-9	LNAPL				X
MW-3	7.6				X
MW-35	<0.40				X
MW-34	<0.40				X
MW-47	<0.40				X
MWAST-2	LNAPL				X
MWAST-3	<0.31				X
MWAST-4	LNAPL				X
MWAST-6	LNAPL				X
MWAST-8	2840				X
MWAST-9	93.2				X

Table 2
Groundwater Sampling Plan - 2021
Former Amoco Terminal
Superior, Wisconsin

Area/Well	Last Benzene ug/l	2020 Spring Sampling	2020 Fall Sampling	Semi-Annual Gauge DTW/LNAPL	Annual Gauge DTW/LNAPL (Spring)
RWAST-1	2270				X
RWAST-2	1416				X
LRMW-1	6850				X
LRMW-2	LNAPL				X
LRMW-3	LNAPL				X
LRMW-4	LNAPL				X
LRMW-5	LNAPL				X
LRMW-6	1130				X
LRMW-7	LNAPL			X	X
MWM-2	<0.40				X
MWM-2D	<0.31	X	X	X	X
MWM-3	LNAPL				X
MWM-4	1.0				X
MWM-6	3.2				X
MWM-7	4.0				X
MWM-7D	2410	X	X	X	X
MWM-9RD	2290	X	X	X	X
MWM-9RS	<0.40				X
MWM-10D	1150	X	X	X	X
MWM-10S	<0.40				X
MRW-1	LNAPL				X
MRW-2	LNAPL				X
MRW-3	LNAPL			X	X
MRW-4	LNAPL				X
MRW-5	LNAPL				X
MRW-6	LNAPL				X
MRW-7	LNAPL				X
MRW-8	LNAPL				X
MRW-9	LNAPL				X
MRW-10	LNAPL				X
LRMW-8	815				X
LRMW-9	2270				X
LRMW-10	3060			X	X
LRMW-11	LNAPL			X	X
MWRR-1	<0.40				X
MWRR-1D	229	X	X	X	X
MWRR-2	29.8				X
MWRR-4	323				X
MWRR-8	LNAPL			X	X
MWOW-1	377			X	X
MWOW-2	0.44J				X
MWOW-2D	<0.31	X	X	X	X
MWOW-3	14.1				X
MWOW-5	1300			X	X
MWBD-1	<0.40				X
MWBD-1D	71.3	X	X	X	X
MWBD-1DD	<0.31			X	X
Totals:		18	18	46	118

NOTES:
X..... = Wells included in the Amoco Barge Dock-Mainfold & AST Area Sampling Plan
<..... = The compound was not detected at or above the indicated method detection limit. Unlisted detection limit concentrations were unavailable.
ug/L..... = Micrograms per liter (equivalent to parts per billion)
LNAPL..... = LNAPL in Well, could not be sampled
"BOLD"..... = The indicated concentration exceeds the NR 140 ES of 5 µg/L
NR 140 ES..... = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-01	03/23/88	635.20	637.80	612.70	603.70	20.62	4.97	25.59	19.14	616.06	Yes	
MW-01	09/08/88	635.20	637.80	612.70	603.70	20.30	4.95	25.25	18.82	616.38	Yes	
MW-01	09/20/88	635.20	637.80	612.70	603.70	20.56	4.42	24.98	18.96	616.24	Yes	
MW-01	04/27/89	635.20	637.80	612.70	603.70	20.56	2.25	22.81	18.47	616.73	Yes	
MW-01	05/18/89	635.20	637.80	612.70	603.70	20.06	5.02	25.08	18.59	616.61	Yes	
MW-01	06/30/89	635.20	637.80	612.70	603.70	19.43	4.10	23.53	17.76	617.44	Yes	
MW-01	07/12/89	635.20	637.80	612.70	603.70	19.82	4.22	24.04	18.17	617.03	Yes	
MW-01	07/26/89	635.20	637.80	612.70	603.70	19.98	6.31	26.29	18.81	616.39	Yes	
MW-01	07/27/89	635.20	637.80	612.70	603.70	20.03	6.87	26.90	18.98	616.22	Yes	
MW-01	09/03/89	635.20	637.80	612.70	603.70	20.19	3.97	24.16	18.49	616.71	Yes	
MW-01	11/16/89	635.20	637.80	612.70	603.70	20.12	9.52	29.64	19.67	615.53	Yes	
MW-01	11/29/89	635.20	637.80	612.70	603.70	20.32	9.62	29.94	19.89	615.31	Yes	
MW-01	12/01/89	635.20	637.80	612.70	603.70	20.42	10.70	31.12	20.24	614.96	Yes	
MW-01	12/02/89	635.20	637.80	612.70	603.70	20.46	8.01	28.47	19.67	615.53	Yes	
MW-01	06/01/90	635.20	637.80	612.70	603.70	12.10	8.75	20.85	11.48	623.72	Yes	
MW-01	06/19/90	635.20	637.80	612.70	603.70	20.64	3.17	23.81	18.76	616.44	Yes	
MW-01	06/27/90	635.20	637.80	612.70	603.70	20.70	3.97	24.67	19.00	616.20	Yes	
MW-01	07/05/90	635.20	637.80	612.70	603.70	20.90	0.44	21.34	18.40	616.80	Yes	
MW-01	07/13/90	635.20	637.80	612.70	603.70	20.81	3.77	24.58	19.06	616.14	Yes	
MW-01	07/17/90	635.20	637.80	612.70	603.70	20.59	4.99	25.58	19.12	616.08	Yes	
MW-01	07/25/90	635.20	637.80	612.70	603.70	20.80	4.30	25.10	19.17	616.03	Yes	
MW-01	08/09/90	635.20	637.80	612.70	603.70	20.70	4.32	25.02	19.08	616.12	Yes	
MW-01	08/27/90	635.20	637.80	612.70	603.70	20.72	3.12	23.84	18.82	616.38	Yes	
MW-01	09/06/90	635.20	637.80	612.70	603.70	20.35	3.70	24.05	18.59	616.61	Yes	
MW-01	01/04/91	635.20	637.80	612.70	603.70	20.00	5.89	25.89	18.73	616.47	Yes	
MW-01	01/30/91	635.20	637.80	612.70	603.70	20.25	8.48	28.73	19.57	615.63	Yes	
MW-01	04/24/91	635.20	637.80	612.70	603.70	20.36	3.32	23.68	18.51	616.69	Yes	
MW-01	06/06/91	635.20	637.80	612.70	603.70	18.93	3.14	22.07	17.04	618.16	Yes	
MW-01	07/09/91	635.20	637.80	612.70	603.70	17.55	2.70	20.25	15.56	619.64	Yes	
MW-01	08/06/91	635.20	637.80	612.70	603.70	16.90	2.98	19.88	14.97	620.23	Yes	
MW-01	09/04/91	635.20	637.80	612.70	603.70	17.10	2.96	20.06	15.17	620.03	Yes	
MW-01	10/08/91	635.20	637.80	612.70	603.70	16.17	3.75	19.92	14.42	620.78	Yes	
MW-01	11/08/91	635.20	637.80	612.70	603.70	17.03	2.95	19.98	15.10	620.10	Yes	
MW-01	12/03/91	635.20	637.80	612.70	603.70	14.98	3.95	18.93	13.27	621.93	Yes	
MW-01	01/07/92	635.20	637.80	612.70	603.70	17.44	2.62	20.06	15.43	619.77	Yes	
MW-01	02/04/92	635.20	637.80	612.70	603.70	18.30	2.50	20.80	16.26	618.94	Yes	
MW-01	03/03/92	635.20	637.80	612.70	603.70	18.72	2.66	21.38	16.72	618.48	Yes	
MW-01	09/24/92	635.20	637.80	612.70	603.70	16.05	2.23	18.28	13.95	621.25	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-01	10/14/92	635.20	637.80	612.70	603.70	17.14	2.34	19.48	15.07	620.13	Yes	
MW-01	06/25/93	635.20	637.80	612.70	603.70	13.91	2.20	16.11	11.81	623.39	Yes	
MW-01	10/28/93	635.20	637.80	612.70	603.70	18.25	1.57	19.82	16.00	619.20	Yes	
MW-01	01/29/94	635.20	637.80	612.70	603.70	19.08	1.60	20.68	16.84	618.36	Yes	
MW-01	04/27/94	635.20	637.80	612.70	603.70	18.49	1.76	20.25	16.29	618.91	Yes	
MW-01	07/21/94	635.20	637.80	612.70	603.70	16.81	2.48	19.29	14.77	620.43	Yes	
MW-01	10/25/94	635.20	637.80	612.70	603.70	16.90	2.66	19.56	14.90	620.30	Yes	
MW-01	11/02/94	635.20	637.80	612.70	603.70	17.34	0.00	17.34	14.74	620.46	Yes	
MW-01	02/01/95	635.20	637.80	612.70	603.70	19.70	0.82	20.52	17.29	617.91	Yes	
MW-01	04/04/95	635.20	637.80	612.70	603.70	19.80	3.21	23.01	17.93	617.27	Yes	
MW-01	07/12/95	635.20	637.80	612.70	603.70	17.94	3.53	21.47	16.14	619.06	Yes	
MW-01	03/13/96	635.20	637.80	612.70	603.70	19.55	2.55	22.10	17.53	617.67	Yes	
MW-01	10/08/96	635.20	637.80	612.70	603.70	15.91	2.48	18.39	13.87	621.33	Yes	
MW-01	04/29/97	635.20	637.80	612.70	603.70	14.47	0.98	15.45	12.09	623.11	Yes	
MW-01	06/10/97	635.20	637.80	612.70	603.70	16.68	0.26	16.94	14.14	621.06	Yes	FP bailed 5/22/97
MW-01	11/03/98	635.20	637.80	612.70	603.70	17.73	2.55	20.28	15.71	619.49	Yes	
MW-01	03/02/99	635.20	637.80	612.70	603.70	19.65	0.91	20.56	17.26	617.94	Yes	
MW-01	10/07/99	635.20	637.80	612.70	603.70	15.88	0.07	15.95	13.30	621.90	Yes	
MW-01	11/09/99	635.20	637.80	612.70	603.70	18.58	0.03	18.61	15.99	619.21	Yes	bailed <0.1 gal. FP
MW-01	12/21/99	635.20	637.80	612.70	603.70	17.50	0.03	17.53	14.91	620.29	Yes	
MW-01	01/27/00	635.20	637.80	612.70	603.70	18.77	0.02	18.79	16.17	619.03	Yes	
MW-01	02/24/00	635.20	637.80	612.70	603.70	19.30	0.45	19.75	16.80	618.40	Yes	bailed 0.1 gal. FP
MW-01	03/31/00	635.20	637.80	612.70	603.70	18.98	0.04	19.02	16.39	618.81	Yes	
MW-01	04/20/00	635.20	637.80	612.70	603.70	17.74	0.36	18.10	15.22	619.98	Yes	bailed 0.2 gal. FP
MW-01	04/26/00	635.20	637.80	612.70	603.70	18.40	0.01	18.41	15.80	619.40	Yes	
MW-01	05/31/00	635.20	637.80	612.70	603.70	18.58	0.03	18.61	15.99	619.21	Yes	
MW-01	06/29/00	635.20	637.80	612.70	603.70	17.95	0.01	17.96	15.35	619.85	Yes	
MW-01	07/26/00	635.20	637.80	612.70	603.70	18.50	0.02	18.52	15.90	619.30	Yes	
MW-01	08/18/00	635.20	637.80	612.70	603.70	18.98	0.01	18.99	16.38	618.82	Yes	
MW-01	09/27/00	635.20	637.80	612.70	603.70	19.29	0.01	19.30	16.69	618.51	Yes	
MW-01	10/11/00	635.20	637.80	612.70	603.70	19.26	0.02	19.28	16.66	618.54	Yes	
MW-01	11/17/00	635.20	637.80	612.70	603.70	18.59	0.01	18.60	15.99	619.21	Yes	
MW-01	12/12/00	635.20	637.80	612.70	603.70	18.91	0.03	18.94	16.32	618.88	Yes	bailed 0.2 gal. FP
MW-01	01/18/01	635.20	637.80	612.70	603.70	19.26	0.02	19.28	16.66	618.54	Yes	bailed 0.1 gal. FP
MW-01	04/24/01	635.20	637.80	612.70	603.70	19.03	0.64	19.67	16.57	618.63	Yes	product abated using vactruck
MW-01	05/23/01	635.20	637.80	612.70	603.70	17.65	1.55	19.20	15.40	619.80	Yes	no product bailed
MW-01	06/19/01	635.20	637.80	612.70	603.70	17.49	1.56	19.05	15.24	619.96	Yes	
MW-01	07/26/01	635.20	637.80	612.70	603.70	18.81	1.03	19.84	16.44	618.76	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-01	08/31/01	635.20	637.80	612.70	603.70	18.85	1.12	19.97	16.50	618.70	Yes	
MW-01	09/26/01	635.20	637.80	612.70	603.70	18.88	1.39	20.27	16.59	618.61	Yes	
MW-01	10/24/01	635.20	637.80	612.70	603.70	18.72	1.52	20.24	16.46	618.74	Yes	
MW-01	12/20/01	635.20	637.80	612.70	603.70	18.76	1.19	19.95	16.43	618.77	Yes	
MW-01	01/22/02	635.20	637.80	612.70	603.70	19.37	1.39	20.76	17.08	618.12	Yes	
MW-01	02/26/02	635.20	637.80	612.70	603.70	20.07	0.96	21.03	17.69	617.51	Yes	
MW-01	03/20/02	635.20	637.80	612.70	603.70	20.23	0.89	21.12	17.83	617.37	Yes	
MW-01	04/24/02	635.20	637.80	612.70	603.70	18.63	1.88	20.51	16.45	618.75	Yes	
MW-01	05/15/02	635.20	637.80	612.70	603.70	17.95	2.11	20.06	15.83	619.37	Yes	
MW-01	06/27/02	635.20	637.80	612.70	603.70	18.43	1.53	19.96	16.18	619.02	Yes	
MW-01	07/25/02	635.20	637.80	612.70	603.70	18.40	1.65	20.05	16.17	619.03	Yes	
MW-01	08/20/02	635.20	637.80	612.70	603.70	18.10	1.34	19.44	15.80	619.40	Yes	
MW-01	09/30/02	635.20	637.80	612.70	603.70	17.12	1.33	18.45	14.82	620.38	Yes	
MW-01	11/05/02	635.20	637.80	612.70	603.70	16.73	1.34	18.07	14.43	620.77	Yes	
MW-01	12/23/02	635.20	637.80	612.70	603.70	19.04	1.09	20.13	16.69	618.51	Yes	
MW-01	01/28/03	635.20	637.80	612.70	603.70	19.79	0.96	20.75	17.41	617.79	Yes	
MW-01	02/19/03	635.20	637.80	612.70	603.70	20.11	0.76	20.87	17.68	617.52	Yes	
MW-01	04/17/03	635.20	637.80	612.70	603.70	20.81	0.62	21.43	18.35	616.85	Yes	
MW-01	05/15/03	635.20	637.80	612.70	603.70	20.76	0.51	21.27	18.28	616.92	Yes	
MW-01	06/10/03	635.20	637.80	612.70	603.70	19.98	0.78	20.76	17.56	617.64	Yes	
MW-01	10/23/03	635.20	637.80	612.70	603.70	19.65	2.02	21.67	17.51	617.69	Yes	
MW-01	12/03/03	635.20	637.80	612.70	603.70	19.69	1.94	21.63	17.53	617.67	Yes	
MW-01	04/19/04	635.81	637.60	612.70	603.70	20.45	0.98	21.43	18.88	616.93	Yes	
MW-01	07/28/04	635.81	637.60	612.70	603.70	18.82	1.03	19.85	17.26	618.55	Yes	
MW-01	11/15/04	635.81	637.60	612.70	603.70	17.60	0.98	18.58	16.03	619.78	Yes	
MW-01	04/18/05	635.81	637.60	612.70	603.70	18.70	0.01	18.71	16.91	618.90	Yes	
MW-01	10/11/05	635.81	637.60	612.70	603.70	NP	0.00	17.30	15.51	620.30	Yes	
MW-01	05/23/06	635.81	637.60	612.70	603.70	16.92	0.30	17.22	15.20	620.61	Yes	
MW-01	10/16/06	635.81	637.60	612.70	603.70	16.92	2.30	19.22	15.65	620.16	Yes	
MW-01	04/23/07	635.81	637.60	612.70	603.70	19.99	0.38	20.37	18.29	617.52	Yes	
MW-01	09/25/07	635.81	637.60	612.70	603.70	19.64	0.31	19.95	17.92	617.89	Yes	
MW-01	05/01/08	635.81	637.60	612.70	603.70	18.33	0.12	18.45	16.57	619.24	Yes	
MW-01	10/20/08	635.81	637.60	612.70	603.70	16.50	0.12	16.62	14.74	621.07	Yes	
MW-01	04/18/09	635.81	637.60	612.70	603.70	17.75	0.36	18.11	16.04	619.77	Yes	
MW-01	10/11/09	635.81	637.60	612.70	603.70	18.10	0.44	18.54	16.41	619.40	Yes	
MW-01	04/28/10	635.81	637.60	612.70	603.70	18.68	0.26	18.94	16.95	618.86	Yes	
MW-01	04/25/11	635.81	637.60	612.70	603.70	17.08	0.41	17.49	15.38	620.43	Yes	
MW-01	10/10/11	635.81	637.60	612.70	603.70	17.85	0.32	18.17	16.13	619.68	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-01	01/04/12	635.81	637.60	612.70	603.70	19.38	0.32	19.70	17.66	618.15	Yes	
MW-01	04/16/12	635.81	637.60	612.70	603.70	NP	0.00	19.84	18.05	617.76	Yes	
MW-01	06/26/12	635.81	637.60	612.70	603.70	NP	0.00	15.13	13.34	622.47	Yes	
MW-01	12/17/12	635.81	637.60	612.70	603.70	19.71	0.39	20.10	18.01	617.80	Yes	
MW-01	03/25/13	635.81	637.60	612.70	603.70	NM	NM	NM	NM	NM	NM	Too much snow on well
MW-01	05/05/13	635.81	637.60	612.70	603.70	NP	0.00	19.29	17.50	618.31	Yes	
MW-01	10/03/13	635.81	637.60	612.70	603.70	NP	0.00	18.51	16.72	619.09	Yes	
MW-02	03/23/88	635.20	637.39	619.80	610.70	20.37	2.76	23.13	18.80	616.40	No	
MW-02	09/08/88	635.20	637.39	619.80	610.70	20.57	2.53	23.10	18.95	616.25	No	
MW-02	09/20/88	635.20	637.39	619.80	610.70	20.70	2.55	23.25	19.09	616.11	No	
MW-02	04/27/89	635.20	637.39	619.80	610.70	20.76	2.33	23.09	19.10	616.10	No	
MW-02	05/18/89	635.20	637.39	619.80	610.70	20.28	2.20	22.48	18.59	616.61	No	
MW-02	06/30/89	635.20	637.39	619.80	610.70	20.16	2.52	22.68	18.54	616.66	No	
MW-02	07/12/89	635.20	637.39	619.80	610.70	21.05	2.00	23.05	19.31	615.89	No	
MW-02	07/26/89	635.20	637.39	619.80	610.70	20.01	2.72	22.73	18.43	616.77	No	
MW-02	07/27/89	635.20	637.39	619.80	610.70	20.06	2.72	22.78	18.48	616.72	No	
MW-02	09/03/89	635.20	637.39	619.80	610.70	20.37	2.20	22.57	18.68	616.52	No	
MW-02	11/16/89	635.20	637.39	619.80	610.70	20.13	2.57	22.70	18.52	616.68	No	
MW-02	11/29/89	635.20	637.39	619.80	610.70	20.23	2.02	22.25	18.50	616.70	No	
MW-02	12/01/89	635.20	637.39	619.80	610.70	20.45	2.40	22.85	18.80	616.40	No	
MW-02	12/02/89	635.20	637.39	619.80	610.70	20.50	2.56	23.06	18.89	616.31	No	
MW-02	05/04/90	635.20	637.39	619.80	610.70	20.95	2.03	22.98	19.22	615.98	No	
MW-02	06/01/90	635.20	637.39	619.80	610.70	20.45	2.85	23.30	18.90	616.30	No	
MW-02	06/19/90	635.20	637.39	619.80	610.70	20.47	2.45	22.92	18.83	616.37	No	
MW-02	06/27/90	635.20	637.39	619.80	610.70	20.64	2.73	23.37	19.07	616.13	No	
MW-02	07/05/90	635.20	637.39	619.80	610.70	21.09	2.38	23.47	19.44	615.76	No	
MW-02	07/13/90	635.20	637.39	619.80	610.70	20.85	2.45	23.30	19.21	615.99	No	
MW-02	07/17/90	635.20	637.39	619.80	610.70	20.58	2.64	23.22	18.99	616.21	No	
MW-02	07/25/90	635.20	637.39	619.80	610.70	20.84	2.58	23.42	19.23	615.97	No	
MW-02	08/09/90	635.20	637.39	619.80	610.70	20.54	2.82	23.36	18.99	616.21	No	
MW-02	08/27/90	635.20	637.39	619.80	610.70	20.81	2.50	23.31	19.18	616.02	No	
MW-02	09/06/90	635.20	637.39	619.80	610.70	20.19	3.36	23.55	18.76	616.44	No	
MW-02	01/04/91	635.20	637.39	619.80	610.70	19.66	3.62	23.28	18.29	616.91	No	
MW-02	01/30/91	635.20	637.39	619.80	610.70	19.88	3.44	23.32	18.47	616.73	No	
MW-02	04/24/91	635.20	637.39	619.80	610.70	20.30	2.99	23.29	18.79	616.41	No	
MW-02	06/06/91	635.20	637.39	619.80	610.70	18.92	4.20	23.12	17.68	617.52	No	
MW-02	07/09/91	635.20	637.39	619.80	610.70	17.63	5.41	23.04	16.66	618.54	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-02	08/06/91	635.20	637.39	619.80	610.70	16.70	6.32	23.02	15.94	619.26	No	
MW-02	09/04/91	635.20	637.39	619.80	610.70	16.63	6.35	22.98	15.87	619.33	No	
MW-02	10/08/91	635.20	637.39	619.80	610.70	15.51	7.45	22.96	15.00	620.20	Yes	
MW-02	11/08/91	635.20	637.39	619.80	610.70	16.41	6.60	23.01	15.71	619.49	No	
MW-02	12/03/91	635.20	637.39	619.80	610.70	14.10	8.87	22.97	13.91	621.29	Yes	
MW-02	01/07/92	635.20	637.39	619.80	610.70	16.04	6.99	23.03	15.43	619.77	No	
MW-02	02/04/92	635.20	637.39	619.80	610.70	17.10	5.95	23.05	16.25	618.95	No	
MW-02	03/03/92	635.20	637.39	619.80	610.70	17.70	5.38	23.08	16.73	618.47	No	
MW-02	09/24/92	635.20	637.39	619.80	610.70	16.03	7.96	23.99	15.64	619.56	No	
MW-02	10/14/92	635.20	637.39	619.80	610.70	16.08	6.96	23.04	15.46	619.74	No	
MW-02	06/25/93	635.20	637.39	619.80	610.70	12.97	9.92	22.89	13.02	622.18	Yes	
MW-02	10/28/93	635.20	637.39	619.80	610.70	17.38	6.20	23.58	16.59	618.61	No	
MW-02	01/29/94	635.20	637.39	619.80	610.70	17.90	5.18	23.08	16.88	618.32	No	
MW-02	04/27/94	635.20	637.39	619.80	610.70	17.74	5.31	23.05	16.75	618.45	No	
MW-02	07/21/94	635.20	637.39	619.80	610.70	16.36	7.22	23.58	15.80	619.40	No	
MW-02	10/25/94	635.20	637.39	619.80	610.70	16.50	6.53	23.03	15.78	619.42	No	
MW-02	11/02/94	635.20	637.39	619.80	610.70	18.70	1.80	20.50	16.92	618.28	No	
MW-02	02/01/95	635.20	637.39	619.80	610.70	19.02	4.67	23.69	17.88	617.32	No	
MW-02	04/04/95	635.20	637.39	619.80	610.70	19.39	3.56	22.95	18.00	617.20	No	
MW-02	07/12/95	635.20	637.39	619.80	610.70	17.75	5.15	22.90	16.72	618.48	No	
MW-02	11/13/95	635.20	637.39	619.80	610.70	16.95	5.90	22.85	16.09	619.11	No	
MW-02	03/13/96	635.20	637.39	619.80	610.70	18.75	4.20	22.95	17.51	617.69	No	
MW-02	10/08/96	635.20	637.39	619.80	610.70	14.85	7.96	22.81	14.46	620.74	Yes	
MW-02	04/29/97	635.20	637.39	619.80	610.70	13.55	9.05	22.60	13.40	621.80	Yes	
MW-02	06/10/97	635.20	637.39	619.80	610.70	15.45	7.25	22.70	14.90	620.30	Yes	FP bailed 5/22/97
MW-02	03/02/99	635.20	637.39	619.80	610.70	20.15	3.39	23.54	18.73	616.47	No	
MW-02	11/09/99	635.20	637.39	619.80	610.70	NP	0.00	16.73	14.54	620.66	Yes	ferret pump installed
MW-02	12/21/99	635.20	637.39	619.80	610.70	19.00	0.15	19.15	16.84	618.36	No	pump line frozen
MW-02	01/27/00	635.20	637.39	619.80	610.70	19.97	0.63	20.60	17.92	617.28	No	ferret pump re-installed
MW-02	02/24/00	635.20	637.39	619.80	610.70	19.65	0.02	19.67	17.46	617.74	No	
MW-02	03/31/00	635.20	637.39	619.80	610.70	NP	0.00	19.61	17.42	617.78	No	Moved ferret pump to RW-6
MW-02	04/20/00	635.20	637.39	619.80	610.70	19.69	0.58	20.27	17.63	617.57	No	
MW-02	04/26/00	635.20	637.39	619.80	610.70	19.90	0.54	20.44	17.83	617.37	No	bailed 0.25 gal. FP
MW-02	05/31/00	635.20	637.39	619.80	610.70	19.18	0.80	19.98	17.17	618.03	No	bailed 0.25 gal. FP
MW-02	06/29/00	635.20	637.39	619.80	610.70	18.88	0.55	19.43	16.81	618.39	No	bailed 0.25 gal. FP
MW-02	07/26/00	635.20	637.39	619.80	610.70	19.01	0.83	19.84	17.01	618.19	No	bailed <0.1 gal. FP
MW-02	08/18/00	635.20	637.39	619.80	610.70	19.48	0.87	20.35	17.49	617.71	No	bailed 0.25 gal. FP
MW-02	09/27/00	635.20	637.39	619.80	610.70	19.89	0.84	20.73	17.89	617.31	No	bailed <0.1 gal. FP

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-02	10/11/00	635.20	637.39	619.80	610.70	19.79	0.85	20.64	17.79	617.41	No	bailed 0.25 gal. FP
MW-02	11/17/00	635.20	637.39	619.80	610.70	19.67	1.12	20.79	17.73	617.47	No	bailed 1 gal. FP
MW-02	12/12/00	635.20	637.39	619.80	610.70	19.54	0.26	19.80	17.41	617.79	No	bailed 0.2 gal. FP
MW-02	01/18/01	635.20	637.39	619.80	610.70	19.96	0.72	20.68	17.93	617.27	No	bailed 0.75 gal. FP
MW-02	04/24/01	635.20	637.39	619.80	610.70	20.02	0.91	20.93	18.04	617.16	No	product abated using vactruck
MW-02	05/23/01	635.20	637.39	619.80	610.70	18.73	0.47	19.20	16.65	618.55	No	no product bailed
MW-02	06/19/01	635.20	638.24	619.80	610.70	19.53	0.87	20.40	16.69	618.51	No	TPC = TOC + 0.85 feet
MW-02	07/26/01	635.20	638.24	619.80	610.70	19.35	1.16	20.51	16.57	618.63	No	
MW-02	08/31/01	635.20	638.24	619.80	610.70	20.50	1.09	21.59	17.71	617.49	No	
MW-02	09/26/01	635.20	638.24	619.80	610.70	20.53	0.98	21.51	17.71	617.49	No	
MW-02	10/24/01	635.20	638.24	619.80	610.70	19.60	1.07	20.67	16.80	618.40	No	
MW-02	12/20/01	635.20	638.24	619.80	610.70	21.11	1.02	22.13	18.30	616.90	No	
MW-02	02/26/02	635.20	638.24	619.80	610.70	21.52	1.23	22.75	18.76	616.44	No	
MW-02	03/20/02	635.20	638.24	619.80	610.70	21.66	1.39	23.05	18.93	616.27	No	
MW-02	04/24/02	635.20	638.24	619.80	610.70	20.13	1.05	21.18	17.33	617.87	No	
MW-02	05/15/02	635.20	638.24	619.80	610.70	19.68	1.19	20.87	16.91	618.29	No	
MW-02	06/27/02	635.20	638.24	619.80	610.70	19.95	1.21	21.16	17.18	618.02	No	
MW-02	07/25/02	635.20	638.24	619.80	610.70	19.65	1.39	21.04	16.92	618.28	No	
MW-02	08/20/02	635.20	638.24	619.80	610.70	19.86	1.30	21.16	17.11	618.09	No	
MW-02	09/30/02	635.20	638.24	619.80	610.70	19.05	1.61	20.66	16.37	618.83	No	
MW-02	11/05/02	635.20	638.24	619.80	610.70	19.89	1.61	21.50	17.21	617.99	No	
MW-02	12/23/02	635.20	638.24	619.80	610.70	20.79	1.34	22.13	18.05	617.15	No	
MW-02	01/28/03	635.20	638.24	619.80	610.70	21.22	1.59	22.81	18.54	616.66	No	
MW-02	02/19/03	635.20	638.24	619.80	610.70	20.37	1.66	22.03	17.70	617.50	No	
MW-02	04/17/03	635.20	638.24	619.80	610.70	21.84	1.83	23.67	19.21	615.99	No	
MW-02	05/15/03	635.20	638.24	619.80	610.70	21.02	1.88	22.90	18.40	616.80	No	
MW-02	06/10/03	635.20	638.24	619.80	610.70	20.65	1.58	22.23	17.97	617.23	No	
MW-02	10/23/03	635.20	638.24	619.80	610.70	21.84	1.44	23.28	19.13	616.07	No	
MW-02	12/03/03	635.20	638.24	619.80	610.70	21.02	1.53	22.55	18.33	616.87	No	
MW-02	04/19/04	636.16	637.54	619.80	610.70	21.50	2.01	23.51	20.57	615.59	No	
MW-02	07/28/04	636.16	637.54	619.80	610.70	20.35	2.50	22.85	19.53	616.63	No	
MW-02	11/15/04	636.16	637.54	619.80	610.70	19.22	3.63	22.85	18.66	617.50	No	
MW-02	04/18/05	636.16	637.54	619.80	610.70	20.60	3.71	24.31	20.06	616.10	No	
MW-02	09/09/05	636.16	637.54	619.80	610.70	19.23	3.87	23.10	18.72	617.44	No	
MW-02	10/11/05	636.16	637.54	619.80	610.70	18.97	4.11	23.08	18.52	617.64	No	
MW-02	05/23/06	636.16	637.54	619.80	610.70	18.02	4.74	22.76	17.71	618.45	No	
MW-02	10/16/06	636.16	637.54	619.80	610.70	19.22	4.14	23.36	18.78	617.38	No	
MW-02	04/23/07	636.16	637.54	619.80	610.70	NM	NM	NM	NA	NA	NA	Well broken - could not gauge

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-02	09/25/07	Abandoned										
MW-03	03/23/88	633.90	636.17	618.60	609.60	NP	0.00	18.15	15.88	618.02	No	
MW-03	09/08/88	633.90	636.17	618.60	609.60	NP	0.00	17.89	15.62	618.28	No	
MW-03	09/20/88	633.90	636.17	618.60	609.60	NP	0.00	17.38	15.11	618.79	Yes	
MW-03	04/27/89	633.90	636.17	618.60	609.60	NP	0.00	16.37	14.10	619.80	Yes	
MW-03	05/18/89	633.90	636.17	618.60	609.60	NP	0.00	15.80	13.53	620.37	Yes	
MW-03	06/30/89	633.90	636.17	618.60	609.60	NP	0.00	16.33	14.06	619.84	Yes	
MW-03	07/12/89	633.90	636.17	618.60	609.60	NP	0.00	17.07	14.80	619.10	Yes	
MW-03	07/26/89	633.90	636.17	618.60	609.60	NP	0.00	17.38	15.11	618.79	Yes	
MW-03	07/27/89	633.90	636.17	618.60	609.60	NP	0.00	17.60	15.33	618.57	No	
MW-03	09/03/89	633.90	636.17	618.60	609.60	NP	0.00	17.76	15.49	618.41	No	
MW-03	11/16/89	633.90	636.17	618.60	609.60	NP	0.00	17.72	15.45	618.45	No	
MW-03	11/28/89	633.90	636.17	618.60	609.60	NP	0.00	18.15	15.88	618.02	No	
MW-03	06/01/90	633.90	636.17	618.60	609.60	NP	0.00	13.42	11.15	622.75	Yes	
MW-03	06/19/90	633.90	636.17	618.60	609.60	NP	0.00	16.35	14.08	619.82	Yes	
MW-03	06/27/90	633.90	636.17	618.60	609.60	NP	0.00	17.23	14.96	618.94	Yes	
MW-03	07/05/90	633.90	636.17	618.60	609.60	NP	0.00	17.81	15.54	618.36	No	
MW-03	07/13/90	633.90	636.17	618.60	609.60	NP	0.00	18.11	15.84	618.06	No	
MW-03	07/17/90	633.90	636.17	618.60	609.60	NP	0.00	17.72	15.45	618.45	No	
MW-03	07/25/90	633.90	636.17	618.60	609.60	NP	0.00	18.26	15.99	617.91	No	
MW-03	08/09/90	633.90	636.17	618.60	609.60	NP	0.00	18.14	15.87	618.03	No	
MW-03	08/14/90	633.90	636.17	618.60	609.60	NP	0.00	18.23	15.96	617.94	No	
MW-03	08/27/90	633.90	636.17	618.60	609.60	NP	0.00	17.51	15.24	618.66	Yes	
MW-03	09/06/90	633.90	636.17	618.60	609.60	NP	0.00	17.02	14.75	619.15	Yes	
MW-03	01/04/91	633.90	636.17	618.60	609.60	NP	0.00	17.51	15.24	618.66	Yes	
MW-03	01/30/91	633.90	636.17	618.60	609.60	NP	0.00	17.96	15.69	618.21	No	
MW-03	04/24/91	633.90	636.17	618.60	609.60	NP	0.00	15.96	13.69	620.21	Yes	
MW-03	07/09/91	633.90	636.17	618.60	609.60	NP	0.00	13.77	11.50	622.40	Yes	
MW-03	10/08/91	633.90	636.17	618.60	609.60	NP	0.00	13.44	11.17	622.73	Yes	
MW-03	01/07/92	633.90	636.17	618.60	609.60	NP	0.00	13.42	11.15	622.75	Yes	
MW-03	10/14/92	633.90	636.17	618.60	609.60	NP	0.00	7.53	5.26	628.64	Yes	
MW-03	01/29/94	633.90	636.17	618.60	609.60	NP	0.00	15.95	13.68	620.22	Yes	
MW-03	04/27/94	633.90	636.17	618.60	609.60	NP	0.00	12.84	10.57	623.33	Yes	
MW-03	07/21/94	633.90	636.17	618.60	609.60	NP	0.00	13.99	11.72	622.18	Yes	
MW-03	10/25/94	633.90	636.17	618.60	609.60	NP	0.00	6.76	4.49	629.41	Yes	
MW-03	10/27/94	633.90	636.17	618.60	609.60	NP	0.00	6.68	4.41	629.49	Yes	
MW-03	11/02/94	633.90	636.17	618.60	609.60	17.50	0.70	18.20	15.39	618.51	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-03	02/01/95	633.90	636.17	618.60	609.60	NP	0.00	15.45	13.18	620.72	Yes	
MW-03	04/04/95	633.90	636.17	618.60	609.60	NP	0.00	16.94	14.67	619.23	Yes	
MW-03	07/12/95	633.90	636.17	618.60	609.60	NP	0.00	15.41	13.14	620.76	Yes	
MW-03	11/13/95	633.90	636.17	618.60	609.60	13.45	0.01	13.46	11.18	622.72	Yes	
MW-03	03/13/96	633.90	636.17	618.60	609.60	16.64	0.01	16.65	14.37	619.53	Yes	
MW-03	10/08/96	633.90	636.17	618.60	609.60	NP	0.00	13.32	11.05	622.85	Yes	
MW-03	04/29/97	633.90	636.17	618.60	609.60	NP	0.00	10.22	7.95	625.95	Yes	
MW-03	11/03/98	633.90	636.17	618.60	609.60	NP	0.00	16.55	14.28	619.62	Yes	
MW-03	03/02/99	633.90	636.17	618.60	609.60	NP	0.00	16.94	14.67	619.23	Yes	
MW-03	04/26/00	633.90	636.17	618.60	609.60	NP	0.00	6.72	4.45	629.45	Yes	
MW-03	08/18/00	633.90	636.17	618.60	609.60	NP	0.00	16.31	14.04	619.86	Yes	
MW-03	03/20/02	633.90	636.17	618.60	609.60	NP	0.00	18.14	15.87	618.03	No	
MW-03	05/15/02	633.90	636.17	618.60	609.60	NP	0.00	6.84	4.57	629.33	Yes	very silty
MW-03	08/20/02	633.90	636.17	618.60	609.60	NP	0.00	6.59	4.32	629.58	Yes	
MW-03	11/05/02	633.90	636.17	618.60	609.60	NP	0.00	6.52	4.25	629.65	Yes	
MW-03	12/23/02	633.90	636.17	618.60	609.60	NP	0.00	17.07	14.80	619.10	Yes	
MW-03	01/28/03	633.90	636.17	618.60	609.60	NP	0.00	17.75	15.48	618.42	No	
MW-03	02/19/03	633.90	636.17	618.60	609.60	NP	0.00	18.02	15.75	618.15	No	
MW-03	04/17/03	633.90	636.17	618.60	609.60	NP	0.00	17.60	15.33	618.57	No	
MW-03	06/10/03	633.90	636.17	618.60	609.60	NP	0.00	17.60	15.33	618.57	No	
MW-03	10/20/03	633.90	636.17	618.60	609.60	NP	0.00	17.98	15.71	618.19	No	
MW-03	12/03/03	633.90	636.17	618.60	609.60	NP	0.00	18.30	16.03	617.87	No	
MW-03	04/19/04	634.51	635.97	618.60	609.60	NP	0.00	17.79	16.33	618.18	No	
MW-03	07/28/04	634.51	635.97	618.60	609.60	NP	0.00	16.80	15.34	619.17	Yes	
MW-03	11/16/04	634.51	635.97	618.60	609.60	NP	0.00	15.69	14.23	620.28	Yes	
MW-03	04/18/05	634.51	635.97	618.60	609.60	NP	0.00	15.78	14.32	620.19	Yes	
MW-03	10/11/05	634.51	635.97	618.60	609.60	NP	0.00	15.30	13.84	620.67	Yes	
MW-03	05/23/06	634.51	635.97	618.60	609.60	NP	0.00	12.72	11.26	623.25	Yes	
MW-03	10/16/06	634.51	635.97	618.60	609.60	NP	0.00	16.78	15.32	619.19	Yes	
MW-03	04/23/07	634.51	635.97	618.60	609.60	NP	0.00	10.32	8.86	625.65	Yes	
MW-03	09/25/07	634.51	636.63	618.60	609.60	NP	0.00	13.97	11.85	622.66	Yes	
MW-03	05/01/08	634.51	636.63	618.60	609.60	NP	0.00	12.15	10.03	624.48	Yes	
MW-03	10/20/08	634.51	636.63	618.60	609.60	NP	0.00	6.93	4.81	629.70	Yes	
MW-03	04/18/09	634.51	636.63	618.60	609.60	NP	0.00	8.48	6.36	628.15	Yes	
MW-03	10/11/09	634.51	636.63	618.60	609.60	NP	0.00	16.87	14.75	619.76	Yes	
MW-03	04/28/10	634.51	636.63	618.60	609.60	NP	0.00	15.46	13.34	621.17	Yes	
MW-03	10/25/10	634.51	636.63	618.60	609.60	NP	0.00	7.57	5.45	629.06	Yes	
MW-03	04/25/11	634.51	636.63	618.60	609.60	NP	0.00	7.42	5.30	629.21	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-03	10/10/11	634.51	636.63	618.60	609.60	NP	0.00	16.11	13.99	620.52	Yes	
MW-03	01/04/12	634.51	636.63	618.60	609.60	NP	0.00	17.37	15.25	619.26	Yes	
MW-03	04/16/12	634.51	636.63	618.60	609.60	NP	0.00	15.80	13.68	620.83	Yes	
MW-03	06/26/12	634.51	636.63	618.60	609.60	NP	0.00	7.02	4.90	629.61	Yes	
MW-03	09/30/12	634.51	636.63	618.60	609.60	NP	0.00	17.49	15.37	619.14	Yes	
MW-03	12/17/12	634.51	636.63	618.60	609.60	NP	0.00	17.83	15.71	618.80	Yes	
MW-03	03/25/13	634.51	636.63	618.60	609.60	NP	0.00	19.01	16.89	617.62	No	
MW-03	05/05/13	634.51	636.63	618.60	609.60	NP	0.00	9.33	7.21	627.30	Yes	
MW-03	10/01/13	634.51	636.63	618.60	609.60	NP	0.00	17.44	15.32	619.19	Yes	
MW-03	05/21/14	634.51	636.63	618.60	609.60	NP	0.00	5.87	3.75	630.76	Yes	
MW-03	10/30/14	634.51	636.63	618.60	609.60	NP	0.00	8.74	6.62	627.89	Yes	
MW-03	05/06/15	634.51	636.63	618.60	609.60	NP	0.00	15.09	12.97	621.54	Yes	
MW-03	10/06/15	634.51	636.63	618.60	609.60	NP	0.00	8.09	5.97	628.54	Yes	
MW-03	05/23/16	634.51	636.63	618.60	609.60	NP	0.00	6.92	4.80	629.71	Yes	
MW-03	10/03/16	634.51	636.63	618.60	609.60	NP	0.00	6.70	4.58	629.93	Yes	
MW-03	06/29/17	634.51	636.63	618.60	609.60	NP	0.00	7.73	5.61	628.90	Yes	
MW-03	05/26/20	634.51	636.63	618.60	609.60	NP	0.00	7.34	5.22	629.29	Yes	
MW-03	04/29/21	634.51	636.63	618.60	609.60	NP	0.00	5.31	3.19	631.32	Yes	
MW-03	05/24/21	634.51	636.63	618.60	609.60	NP	0.00	5.30	3.18	631.33	Yes	
MW-03	08/31/21					well abandoned 8/31						
MW-04S	03/23/88	634.30	636.93	620.00	610.00	NP	0.00	19.02	16.39	617.91	No	
MW-04S	09/08/88	634.30	636.93	620.00	610.00	NP	0.00	19.00	16.37	617.93	No	
MW-04S	09/20/88	634.30	636.93	620.00	610.00	NP	0.00	19.21	16.58	617.72	No	
MW-04S	04/27/89	634.30	636.93	620.00	610.00	NP	0.00	17.80	15.17	619.13	No	
MW-04S	05/18/89	634.30	636.93	620.00	610.00	NP	0.00	17.05	14.42	619.88	No	
MW-04S	06/30/89	634.30	636.93	620.00	610.00	NP	0.00	17.47	14.84	619.46	No	
MW-04S	07/12/89	634.30	636.93	620.00	610.00	NP	0.00	18.14	15.51	618.79	No	
MW-04S	07/26/89	634.30	636.93	620.00	610.00	NP	0.00	18.44	15.81	618.49	No	
MW-04S	07/27/89	634.30	636.93	620.00	610.00	NP	0.00	18.57	15.94	618.36	No	
MW-04S	09/03/89	634.30	636.93	620.00	610.00	NP	0.00	18.89	16.26	618.04	No	
MW-04S	11/16/89	634.30	636.93	620.00	610.00	NP	0.00	18.83	16.20	618.10	No	
MW-04S	11/28/89	634.30	636.93	620.00	610.00	NP	0.00	19.15	16.52	617.78	No	
MW-04S	06/01/90	634.30	636.93	620.00	610.00	NP	0.00	18.14	15.51	618.79	No	
MW-04S	06/19/90	634.30	636.93	620.00	610.00	NP	0.00	18.16	15.53	618.77	No	
MW-04S	06/27/90	634.30	636.93	620.00	610.00	NP	0.00	18.52	15.89	618.41	No	
MW-04S	07/05/90	634.30	636.93	620.00	610.00	NP	0.00	19.00	16.37	617.93	No	
MW-04S	07/13/90	634.30	636.93	620.00	610.00	NP	0.00	19.21	16.58	617.72	No	
MW-04S	07/17/90	634.30	636.93	620.00	610.00	NP	0.00	18.82	16.19	618.11	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-04S	07/25/90	634.30	636.93	620.00	610.00	NP	0.00	19.27	16.64	617.66	No	
MW-04S	08/09/90	634.30	636.93	620.00	610.00	NP	0.00	19.15	16.52	617.78	No	
MW-04S	08/14/90	634.30	636.93	620.00	610.00	NP	0.00	19.21	16.58	617.72	No	
MW-04S	08/27/90	634.30	636.93	620.00	610.00	NP	0.00	18.94	16.31	617.99	No	
MW-04S	09/06/90	634.30	636.93	620.00	610.00	NP	0.00	18.32	15.69	618.61	No	
MW-04S	01/04/91	634.30	636.93	620.00	610.00	NP	0.00	18.46	15.83	618.47	No	
MW-04S	01/30/91	634.30	636.93	620.00	610.00	NP	0.00	18.92	16.29	618.01	No	
MW-04S	04/24/91	634.30	636.93	620.00	610.00	NP	0.00	18.11	15.48	618.82	No	
MW-04S	07/09/91	634.30	636.93	620.00	610.00	NP	0.00	15.60	12.97	621.33	Yes	
MW-04S	08/06/91	634.30	636.93	620.00	610.00	NP	0.00	15.30	12.67	621.63	Yes	
MW-04S	09/04/91	634.30	636.93	620.00	610.00	NP	0.00	15.75	13.12	621.18	Yes	
MW-04S	10/08/91	634.30	636.93	620.00	610.00	NP	0.00	14.77	12.14	622.16	Yes	
MW-04S	11/08/91	634.30	636.93	620.00	610.00	NP	0.00	15.25	12.62	621.68	Yes	
MW-04S	12/03/91	634.30	636.93	620.00	610.00	NP	0.00	13.34	10.71	623.59	Yes	
MW-04S	01/07/92	634.30	636.93	620.00	610.00	NP	0.00	14.95	12.32	621.98	Yes	
MW-04S	02/04/92	634.30	636.93	620.00	610.00	NP	0.00	16.07	13.44	620.86	Yes	
MW-04S	03/03/92	634.30	636.93	620.00	610.00	NP	0.00	16.77	14.14	620.16	Yes	
MW-04S	09/24/92	634.30	636.93	620.00	610.00	NP	0.00	14.87	12.24	622.06	Yes	
MW-04S	10/14/92	634.30	636.93	620.00	610.00	NP	0.00	15.51	12.88	621.42	Yes	
MW-04S	06/25/93	634.30	636.93	620.00	610.00	NP	0.00	12.88	10.25	624.05	Yes	
MW-04S	10/28/93	634.30	636.93	620.00	610.00	NP	0.00	15.84	13.21	621.09	Yes	
MW-04S	01/29/94	634.30	636.93	620.00	610.00	NP	0.00	17.04	14.41	619.89	No	
MW-04S	04/27/94	634.30	636.93	620.00	610.00	NP	0.00	15.78	13.15	621.15	Yes	
MW-04S	06/14/94	634.30	636.93	620.00	610.00	NP	0.00	14.80	12.17	622.13	Yes	
MW-04S	07/21/94	634.30	636.93	620.00	610.00	NP	0.00	15.25	12.62	621.68	Yes	
MW-04S	08/30/94	634.30	636.93	620.00	610.00	NP	0.00	16.94	14.31	619.99	No	
MW-04S	10/25/94	634.30	636.93	620.00	610.00	NP	0.00	15.52	12.89	621.41	Yes	
MW-04S	10/27/94	634.30	636.93	620.00	610.00	NP	0.00	15.09	12.46	621.84	Yes	
MW-04S	11/02/94	634.30	636.93	620.00	610.00	NP	0.00	18.94	16.31	617.99	No	
MW-04S	04/04/95	634.30	636.93	620.00	610.00	NP	0.00	18.20	15.57	618.73	No	
MW-04S	07/12/95	634.30	636.93	620.00	610.00	NP	0.00	16.74	14.11	620.19	Yes	
MW-04S	11/13/95	634.30	636.93	620.00	610.00	NP	0.00	14.95	12.32	621.98	Yes	
MW-04S	03/13/96	634.30	636.93	620.00	610.00	NP	0.00	18.59	15.96	618.34	No	
MW-04S	04/22/96	634.30	636.93	620.00	610.00	NP	0.00	15.13	12.50	621.80	Yes	
MW-04S	10/08/96	634.30	636.93	620.00	610.00	NP	0.00	14.62	11.99	622.31	Yes	
MW-04S	04/29/97	634.30	636.93	620.00	610.00	NP	0.00	12.75	10.12	624.18	Yes	
MW-04S	11/03/98	634.30	636.93	620.00	610.00	NP	0.00	17.85	15.22	619.08	No	
MW-04S	03/02/99	634.30	636.93	620.00	610.00	NP	0.00	18.14	15.51	618.79	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-04S	04/26/00	634.30	636.93	620.00	610.00	NP	0.00	16.71	14.08	620.22	Yes	
MW-04S	10/10/00	634.30	636.93	620.00	610.00	NP	0.00	17.90	15.27	619.03	No	
MW-04S	04/24/01	634.30	636.93	620.00	610.00	NP	0.00	17.17	14.54	619.76	No	
MW-04S	10/23/01	634.30	636.93	620.00	610.00	NP	0.00	17.92	15.29	619.01	No	
MW-04S	04/23/02	634.30	636.93	620.00	610.00	NP	0.00	17.94	15.31	618.99	No	
MW-04S	11/05/02	634.30	636.93	620.00	610.00	NP	0.00	16.23	13.60	620.70	Yes	
MW-04S	04/17/03	634.30	636.93	620.00	610.00	NP	0.00	19.28	16.65	617.65	No	
MW-04S	10/20/03	634.30	636.93	620.00	610.00	NP	0.00	19.03	16.40	617.90	No	
MW-04S	04/19/04	634.97	636.67	620.00	610.00	NP	0.00	19.49	17.79	617.18	No	
MW-04S	11/16/04	634.97	636.67	620.00	610.00	NP	0.00	17.08	15.38	619.59	No	
MW-04S	04/18/05	634.97	636.67	620.00	610.00	NP	0.00	17.66	15.96	619.01	No	
MW-04S	10/11/05	634.97	636.67	620.00	610.00	NP	0.00	17.12	15.42	619.55	No	
MW-04S	05/23/06	634.97	636.67	620.00	610.00	NP	0.00	16.09	14.39	620.58	Yes	
MW-04S	10/16/06	634.97	636.67	620.00	610.00	NP	0.00	17.66	15.96	619.01	No	
MW-04S	04/23/07	634.97	636.67	620.00	610.00	NP	0.00	18.77	17.07	617.90	No	
MW-04S	09/25/07	634.97	636.67	620.00	610.00	NP	0.00	19.07	17.37	617.60	No	
MW-04S	05/01/08	634.97	636.67	620.00	610.00	NP	0.00	17.07	15.37	619.60	No	
MW-04S	10/20/08	634.97	636.67	620.00	610.00	NP	0.00	15.67	13.97	621.00	Yes	
MW-04S	04/18/09	634.97	636.67	620.00	610.00	NP	0.00	17.42	15.72	619.25	No	
MW-04S	10/11/09	634.97	636.67	620.00	610.00	NP	0.00	18.36	16.66	618.31	No	
MW-04S	04/28/10	634.97	636.67	620.00	610.00	NP	0.00	18.19	16.49	618.48	No	
MW-04S	10/25/10	634.97	636.67	620.00	610.00	NP	0.00	16.12	14.42	620.55	Yes	
MW-04S	04/25/11	634.97	636.67	620.00	610.00	NP	0.00	17.35	15.65	619.32	No	
MW-04S	10/10/11	634.97	636.67	620.00	610.00	NP	0.00	17.32	15.62	619.35	No	
MW-04S	01/04/12	634.97	636.67	620.00	610.00	NP	0.00	18.48	16.78	618.19	No	
MW-04S	04/16/12	634.97	636.67	620.00	610.00	NP	0.00	18.78	17.08	617.89	No	
MW-04S	06/26/12	634.97	636.67	620.00	610.00	NP	0.00	15.52	13.82	621.15	Yes	
MW-04S	09/30/12	634.97	636.67	620.00	610.00	NP	0.00	18.55	16.85	618.12	No	
MW-04S	12/17/12	634.97	636.67	620.00	610.00	NP	0.00	19.45	17.75	617.22	No	
MW-04S	03/25/13	634.97	636.67	620.00	610.00	NP	0.00	19.96	18.26	616.71	No	
MW-04S	05/05/13	634.97	636.67	620.00	610.00	NP	0.00	19.19	17.49	617.48	No	
MW-04D	06/14/94	634.30	636.85	583.00	580.00	NP	0.00	16.76	14.21	620.09	Yes	
MW-04D	07/21/94	634.30	636.85	583.00	580.00	NP	0.00	16.89	14.34	619.96	Yes	
MW-04D	08/30/94	634.30	636.85	583.00	580.00	NP	0.00	18.18	15.63	618.67	Yes	
MW-04D	10/25/94	634.30	636.85	583.00	580.00	NP	0.00	17.09	14.54	619.76	Yes	
MW-04D	10/27/94	634.30	636.85	583.00	580.00	NP	0.00	15.65	13.10	621.20	Yes	
MW-04D	02/01/95	634.30	636.85	583.00	580.00	NP	0.00	18.78	16.23	618.07	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-04D	04/04/95	634.30	636.85	583.00	580.00	NP	0.00	19.41	16.86	617.44	Yes	
MW-04D	07/12/95	634.30	636.85	583.00	580.00	NP	0.00	18.33	15.78	618.52	Yes	
MW-04D	11/13/95	634.30	636.85	583.00	580.00	NP	0.00	16.90	14.35	619.95	Yes	
MW-04D	03/13/96	634.30	636.85	583.00	580.00	19.08	0.01	19.09	16.53	617.77	Yes	
MW-04D	04/22/96	634.30	636.85	583.00	580.00	NP	0.00	17.25	14.70	619.60	Yes	
MW-04D	10/08/96	634.30	636.85	583.00	580.00	NP	0.00	16.52	13.97	620.33	Yes	
MW-04D	04/29/97	634.30	636.85	583.00	580.00	NP	0.00	15.15	12.60	621.70	Yes	
MW-04D	11/03/98	634.30	636.85	583.00	580.00	NP	0.00	19.27	16.72	617.58	Yes	
MW-04D	03/02/99	634.30	636.85	583.00	580.00	NP	0.00	19.28	16.73	617.57	Yes	
MW-04D	04/26/00	634.30	636.85	583.00	580.00	NP	0.00	18.31	15.76	618.54	Yes	
MW-04D	10/10/00	634.30	636.85	583.00	580.00	NP	0.00	19.80	17.25	617.05	Yes	
MW-04D	10/23/01	634.30	636.85	583.00	580.00	NP	0.00	19.21	16.66	617.64	Yes	
MW-04D	04/23/02	634.30	636.85	583.00	580.00	NP	0.00	19.45	16.90	617.40	Yes	
MW-04D	11/05/02	634.30	636.85	583.00	580.00	NP	0.00	17.89	15.34	618.96	Yes	
MW-04D	04/17/03	634.30	636.85	583.00	580.00	NP	0.00	20.37	17.82	616.48	Yes	
MW-04D	10/20/03	634.30	636.85	583.00	580.00	NP	0.00	20.16	17.61	616.69	Yes	
MW-04D	04/19/04	634.98	636.58	583.00	580.00	NP	0.00	20.48	18.88	616.10	Yes	
MW-04D	11/16/04	634.98	636.58	583.00	580.00	NP	0.00	18.61	17.01	617.97	Yes	
MW-04D	04/18/05	634.98	636.58	583.00	580.00	NP	0.00	19.14	17.54	617.44	Yes	
MW-04D	10/11/05	634.98	636.58	583.00	580.00	NP	0.00	18.48	16.88	618.10	Yes	
MW-04D	05/23/06	634.98	636.58	583.00	580.00	NP	0.00	17.58	15.98	619.00	Yes	
MW-04D	10/16/06	634.98	636.58	583.00	580.00	NP	0.00	19.02	17.42	617.56	Yes	
MW-04D	04/23/07	634.98	636.58	583.00	580.00	NP	0.00	18.79	17.19	617.79	Yes	
MW-04D	09/25/07	634.98	636.58	583.00	580.00	NP	0.00	19.75	18.15	616.83	Yes	
MW-04D	05/01/08	634.98	636.58	583.00	580.00	NP	0.00	18.02	16.42	618.56	Yes	
MW-04D	10/20/08	634.98	636.58	583.00	580.00	NP	0.00	16.6	15.00	619.98	Yes	
MW-04D	04/18/09	634.98	636.58	583.00	580.00	NP	0.00	18.19	16.59	618.39	Yes	
MW-04D	10/11/09	634.98	636.58	583.00	580.00	NP	0.00	18.79	17.19	617.79	Yes	
MW-04D	04/28/10	634.98	636.58	583.00	580.00	NP	0.00	18.91	17.31	617.67	Yes	
MW-04D	10/25/10	634.98	636.58	583.00	580.00	NP	0.00	16.83	15.23	619.75	Yes	
MW-04D	04/25/11	634.98	636.58	583.00	580.00	NP	0.00	18.05	16.45	618.53	Yes	
MW-04D	10/10/11	634.98	636.58	583.00	580.00	NP	0.00	17.81	16.21	618.77	Yes	
MW-04D	01/04/12	634.98	636.58	583.00	580.00	NP	0.00	18.96	17.36	617.62	Yes	
MW-04D	04/16/12	634.98	636.58	583.00	580.00	NP	0.00	19.24	17.64	617.34	Yes	
MW-04D	06/26/12	634.98	636.58	583.00	580.00	NP	0.00	16.53	14.93	620.05	Yes	
MW-04D	09/30/12	634.98	636.58	583.00	580.00	NP	0.00	18.95	17.35	617.63	Yes	
MW-04D	12/17/12	634.98	636.58	583.00	580.00	NP	0.00	18.97	17.37	617.61	Yes	
MW-04D	03/25/13	634.98	636.58	583.00	580.00	NP	0.00	19.88	18.28	616.70	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-04D	05/05/13	634.98	636.58	583.00	580.00	NP	0.00	19.63	18.03	616.95	Yes	
MW-04D	10/03/13	634.98	636.58	583.00	580.00	NM	NM	NM	NM	NM	NM	
MW-05	03/23/88	634.40	636.94	618.50	609.50	NP	0.00	19.45	16.91	617.49	No	
MW-05	09/08/88	634.40	636.94	618.50	609.50	NP	0.00	19.50	16.96	617.44	No	
MW-05	09/20/88	634.40	636.94	618.50	609.50	NP	0.00	19.50	16.96	617.44	No	
MW-05	04/27/89	634.40	636.94	618.50	609.50	NP	0.00	18.81	16.27	618.13	No	
MW-05	05/18/89	634.40	636.94	618.50	609.50	NP	0.00	18.06	15.52	618.88	Yes	
MW-05	06/30/89	634.40	636.94	618.50	609.50	NP	0.00	18.35	15.81	618.59	Yes	
MW-05	07/12/89	634.40	636.94	618.50	609.50	NP	0.00	18.81	16.27	618.13	No	
MW-05	07/26/89	634.40	636.94	618.50	609.50	NP	0.00	18.96	16.42	617.98	No	
MW-05	07/27/89	634.40	636.94	618.50	609.50	NP	0.00	19.07	16.53	617.87	No	
MW-05	09/03/89	634.40	636.94	618.50	609.50	NP	0.00	19.35	16.81	617.59	No	
MW-05	11/28/89	634.40	636.94	618.50	609.50	NP	0.00	19.82	17.28	617.12	No	
MW-05	06/01/90	634.40	636.94	618.50	609.50	NP	0.00	18.92	16.38	618.02	No	
MW-05	06/19/90	634.40	636.94	618.50	609.50	NP	0.00	18.95	16.41	617.99	No	
MW-05	06/27/90	634.40	636.94	618.50	609.50	NP	0.00	19.25	16.71	617.69	No	
MW-05	07/05/90	634.40	636.94	618.50	609.50	NP	0.00	19.65	17.11	617.29	No	
MW-05	07/13/90	634.40	636.94	618.50	609.50	NP	0.00	19.78	17.24	617.16	No	
MW-05	07/17/90	634.40	636.94	618.50	609.50	NP	0.00	19.33	16.79	617.61	No	
MW-05	07/25/90	634.40	636.94	618.50	609.50	NP	0.00	19.76	17.22	617.18	No	
MW-05	08/09/90	634.40	636.94	618.50	609.50	NP	0.00	19.61	17.07	617.33	No	
MW-05	08/14/90	634.40	636.94	618.50	609.50	NP	0.00	19.63	17.09	617.31	No	
MW-05	08/27/90	634.40	636.94	618.50	609.50	NP	0.00	19.40	16.86	617.54	No	
MW-05	09/06/90	634.40	636.94	618.50	609.50	NP	0.00	21.34	18.80	615.60	No	
MW-05	01/04/91	634.40	636.94	618.50	609.50	NP	0.00	18.60	16.06	618.34	No	
MW-05	01/30/91	634.40	636.94	618.50	609.50	NP	0.00	19.20	16.66	617.74	No	
MW-05	04/24/91	634.40	636.94	618.50	609.50	NP	0.00	18.91	16.37	618.03	No	
MW-05	07/09/91	634.40	636.94	618.50	609.50	NP	0.00	16.74	14.20	620.20	Yes	
MW-05	10/08/91	634.40	636.94	618.50	609.50	NP	0.00	15.61	13.07	621.33	Yes	
MW-05	01/07/92	634.40	636.94	618.50	609.50	NP	0.00	15.74	13.20	621.20	Yes	
MW-05	10/14/92	634.40	636.94	618.50	609.50	NP	0.00	16.06	13.52	620.88	Yes	
MW-05	01/29/94	634.40	636.94	618.50	609.50	NP	0.00	17.38	14.84	619.56	Yes	
MW-05	04/27/94	634.40	636.94	618.50	609.50	NP	0.00	16.69	14.15	620.25	Yes	
MW-05	07/21/94	634.40	636.94	618.50	609.50	NP	0.00	15.80	13.26	621.14	Yes	
MW-05	10/25/94	634.40	636.94	618.50	609.50	NP	0.00	16.23	13.69	620.71	Yes	
MW-05	10/27/94	634.40	636.94	618.50	609.50	NP	0.00	15.82	13.28	621.12	Yes	
MW-05	11/02/94	634.40	636.94	618.50	609.50	18.96	1.88	20.84	16.84	617.56	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-05	02/01/95	634.40	636.94	618.50	609.50	NP	0.00	18.01	15.47	618.93	Yes	
MW-05	04/04/95	634.40	636.94	618.50	609.50	NP	0.00	18.78	16.24	618.16	No	
MW-05	07/12/95	634.40	636.94	618.50	609.50	NP	0.00	17.30	14.76	619.64	Yes	
MW-05	11/13/95	634.40	636.94	618.50	609.50	NP	0.00	15.88	13.34	621.06	Yes	
MW-05	03/13/96	634.40	636.94	618.50	609.50	NP	0.00	17.92	15.38	619.02	Yes	
MW-05	10/08/96	634.40	636.94	618.50	609.50	NP	0.00	15.28	12.74	621.66	Yes	
MW-05	04/29/97	634.40	636.94	618.50	609.50	NP	0.00	13.82	11.28	623.12	Yes	
MW-05	11/03/98	634.40	636.94	618.50	609.50	NP	0.00	14.34	11.80	622.60	Yes	
MW-05	03/02/99	634.40	637.94	618.50	609.50	NP	0.00	18.46	14.92	619.48	Yes	
MW-05	04/26/00	634.40	637.94	618.50	609.50	NP	0.00	17.39	13.85	620.55	Yes	
MW-05	08/18/00	634.40	637.94	618.50	609.50	NP	0.00	17.94	14.40	620.00	Yes	
MW-05	10/10/00	634.40	637.94	618.50	609.50	NP	0.00	18.29	14.75	619.65	Yes	
MW-05	04/24/01	634.40	637.94	618.50	609.50	NP	0.00	18.17	14.63	619.77	Yes	
MW-05	10/23/01	634.40	637.94	618.50	609.50	NP	0.00	19.08	15.54	618.86	Yes	
MW-05	04/23/02	634.40	637.94	618.50	609.50	NP	0.00	18.83	15.29	619.11	Yes	
MW-05	11/05/02	634.40	637.94	618.50	609.50	NP	0.00	17.23	13.69	620.71	Yes	
MW-05	08/28/03						Abandoned					
MW-06	03/23/88	635.50	637.97	620.30	611.30	NP	0.00	21.34	18.87	616.63	No	
MW-06	09/08/88	635.50	637.97	620.30	611.30	NP	0.00	21.61	19.14	616.36	No	
MW-06	09/20/88	635.50	637.97	620.30	611.30	NP	0.00	21.97	19.50	616.00	No	
MW-06	04/27/89	635.50	637.97	620.30	611.30	NP	0.00	21.61	19.14	616.36	No	
MW-06	05/18/89	635.50	637.97	620.30	611.30	NP	0.00	21.21	18.74	616.76	No	
MW-06	06/30/89	635.50	637.97	620.30	611.30	NP	0.00	20.90	18.43	617.07	No	
MW-06	07/12/89	635.50	637.97	620.30	611.30	NP	0.00	21.00	18.53	616.97	No	
MW-06	07/26/89	635.50	637.97	620.30	611.30	NP	0.00	20.97	18.50	617.00	No	
MW-06	07/27/89	635.50	637.97	620.30	611.30	NP	0.00	21.07	18.60	616.90	No	
MW-06	09/03/89	635.50	637.97	620.30	611.30	NP	0.00	21.34	18.87	616.63	No	
MW-06	11/16/89	635.50	637.97	620.30	611.30	NP	0.00	21.42	18.95	616.55	No	
MW-06	11/28/89	635.50	637.97	620.30	611.30	NP	0.00	21.54	19.07	616.43	No	
MW-06	06/01/90	635.50	637.97	620.30	611.30	NP	0.00	21.61	19.14	616.36	No	
MW-06	06/19/90	635.50	637.97	620.30	611.30	NP	0.00	21.51	19.04	616.46	No	
MW-06	06/27/90	635.50	637.97	620.30	611.30	NP	0.00	21.60	19.13	616.37	No	
MW-06	07/05/90	635.50	637.97	620.30	611.30	NP	0.00	21.71	19.24	616.26	No	
MW-06	07/13/90	635.50	637.97	620.30	611.30	NP	0.00	21.68	19.21	616.29	No	
MW-06	07/17/90	635.50	637.97	620.30	611.30	NP	0.00	21.43	18.96	616.54	No	
MW-06	07/25/90	635.50	637.97	620.30	611.30	NP	0.00	21.61	19.14	616.36	No	
MW-06	08/09/90	635.50	637.97	620.30	611.30	NP	0.00	21.56	19.09	616.41	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-06	08/14/90	635.50	637.97	620.30	611.30	NP	0.00	21.54	19.07	616.43	No	
MW-06	08/27/90	635.50	637.97	620.30	611.30	NP	0.00	21.42	18.95	616.55	No	
MW-06	09/06/90	635.50	637.97	620.30	611.30	NP	0.00	21.57	19.10	616.40	No	
MW-06	01/04/91	635.50	637.97	620.30	611.30	NP	0.00	20.81	18.34	617.16	No	
MW-06	01/30/91	635.50	637.97	620.30	611.30	NP	0.00	21.00	18.53	616.97	No	
MW-06	04/24/91	635.50	637.97	620.30	611.30	NP	0.00	21.65	19.18	616.32	No	
MW-06	07/09/91	635.50	637.97	620.30	611.30	NP	0.00	20.20	17.73	617.77	No	
MW-06	10/08/91	635.50	637.97	620.30	611.30	NP	0.00	18.69	16.22	619.28	No	
MW-06	01/07/92	635.50	637.97	620.30	611.30	NP	0.00	18.68	16.21	619.29	No	
MW-06	10/14/92	635.50	637.97	620.30	611.30	NP	0.00	18.71	16.24	619.26	No	
MW-06	06/25/93	635.50	637.97	620.30	611.30	NP	0.00	17.65	15.18	620.32	Yes	
MW-06	10/28/93	635.50	637.97	620.30	611.30	NP	0.00	18.57	16.10	619.40	No	
MW-06	01/29/94	635.50	637.97	620.30	611.30	NP	0.00	19.52	17.05	618.45	No	
MW-06	04/27/94	635.50	637.97	620.30	611.30	NP	0.00	19.92	17.45	618.05	No	
MW-06	07/21/94	635.50	637.97	620.30	611.30	NP	0.00	18.56	16.09	619.41	No	
MW-06	10/25/94	635.50	637.97	620.30	611.30	NP	0.00	19.13	16.66	618.84	No	
MW-06	10/27/94	635.50	637.97	620.30	611.30	NP	0.00	18.44	15.97	619.53	No	
MW-06	11/02/94	635.50	637.97	620.30	611.30	18.42	1.43	19.85	16.27	619.23	No	
MW-06	02/01/95	635.50	637.97	620.30	611.30	NP	0.00	19.90	17.43	618.07	No	
MW-06	04/04/95	635.50	637.97	620.30	611.30	NP	0.00	20.61	18.14	617.36	No	
MW-06	07/12/95	635.50	637.97	620.30	611.30	NP	0.00	19.83	17.36	618.14	No	
MW-06	11/13/95	635.50	637.97	620.30	611.30	NP	0.00	19.25	16.78	618.72	No	
MW-06	03/13/96	635.50	637.97	620.30	611.30	NP	0.00	20.10	17.63	617.87	No	
MW-06	04/22/96	635.50	637.97	620.30	611.30	NP	0.00	19.72	17.25	618.25	No	
MW-06	10/08/96	635.50	637.97	620.30	611.30	NP	0.00	18.11	15.64	619.86	No	
MW-06	04/29/97	635.50	637.97	620.30	611.30	NP	0.00	17.52	15.05	620.45	Yes	
MW-06	11/03/98	635.50	637.97	620.30	611.30	NP	0.00	20.64	18.17	617.33	No	
MW-06	03/02/99	635.50	637.97	620.30	611.30	NP	0.00	20.60	18.13	617.37	No	
MW-06	04/26/00	635.50	637.97	620.30	611.30	NP	0.00	20.02	17.55	617.95	No	
MW-06	10/10/00	635.50	637.97	620.30	611.30	NP	0.00	20.33	17.86	617.64	No	
MW-06	04/24/01	635.50	637.97	620.30	611.30	NP	0.00	20.83	18.36	617.14	No	
MW-06	10/23/01	635.50	637.97	620.30	611.30	NP	0.00	20.43	17.96	617.54	No	
MW-06	04/23/02	635.50	637.97	620.30	611.30	NP	0.00	21.43	18.96	616.54	No	
MW-06	11/05/02	635.50	637.97	620.30	611.30	NP	0.00	21.15	18.68	616.82	No	
MW-06	04/17/03	635.50	637.97	620.30	611.30	NP	0.00	20.56	18.09	617.41	No	
MW-06	10/20/03	635.50	637.97	620.30	611.30	NP	0.00	21.56	19.09	616.41	No	
MW-06	04/19/04	635.32	637.70	620.30	611.30	NP	0.00	22.22	19.84	615.48	No	
MW-06	11/16/04	635.32	637.70	620.30	611.30	NP	0.00	20.75	18.37	616.95	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-06	04/18/05	635.32	637.70	620.30	611.30	NP	0.00	20.95	18.57	616.75	No	
MW-06	10/11/05	635.32	637.70	620.30	611.30	NP	0.00	20.52	18.14	617.18	No	
MW-06	05/23/06	635.32	637.70	620.30	611.30	NP	0.00	19.95	17.57	617.75	No	
MW-06	10/16/06	635.32	637.70	620.30	611.30	NP	0.00	20.43	18.05	617.27	No	
MW-06	04/23/07	635.32	637.70	620.30	611.30	NP	0.00	21.11	18.73	616.59	No	Well bent
MW-06	09/25/07	635.32	637.70	620.30	611.30	NP	0.00	21.08	18.70	616.62	No	
MW-06	05/01/08	635.32	637.70	620.30	611.30	NP	0.00	20.08	17.70	617.62	No	
MW-06	10/20/08	635.32	637.70	620.30	611.30	NP	0.00	19.05	16.67	618.65	No	
MW-06	04/18/09	635.32	637.70	620.30	611.30	NP	0.00	19.67	17.29	618.03	No	
MW-06	07/29/09	Abandoned										
MW-06R	07/29/09	637.12	639.04	623.12	613.12							
MW-06R	10/11/09	637.12	639.04	623.12	613.12	NP	0.00	21.33	19.41	617.71	No	
MW-06R	04/28/10	637.12	639.04	623.12	613.12	NP	0.00	21.22	19.30	617.82	No	
MW-06R	10/25/10	637.12	639.04	623.12	613.12	NP	0.00	19.43	17.51	619.61	No	
MW-06R	04/25/11	637.12	639.04	623.12	613.12	NP	0.00	20.56	18.64	618.48	No	
MW-06R	10/10/11	637.12	639.04	623.12	613.12	NP	0.00	19.94	18.02	619.10	No	
MW-06R	01/04/12	637.12	639.04	623.12	613.12	NP	0.00	20.94	19.02	618.10	No	
MW-06R	04/16/12	637.12	639.04	623.12	613.12	NP	0.00	21.74	19.82	617.30	No	
MW-06R	06/26/12	637.12	639.04	623.12	613.12	NP	0.00	20.02	18.10	619.02	No	
MW-06R	09/30/12	637.12	639.04	623.12	613.12	NP	0.00	21.03	19.11	618.01	No	
MW-06R	12/17/12	637.12	639.04	623.12	613.12	NP	0.00	21.58	19.66	617.46	No	
MW-06R	03/25/13	637.12	639.04	623.12	613.12	NP	0.00	22.25	20.33	616.79	No	
MW-06R	05/05/13	637.12	639.04	623.12	613.12	NP	0.00	21.99	20.07	617.05	No	
MW-07	03/23/88	634.40	637.04	619.00	610.00	NP	0.00	21.28	18.64	615.76	No	
MW-07	09/08/88	634.40	637.04	619.00	610.00	NP	0.00	21.54	18.90	615.50	No	
MW-07	09/20/88	634.40	637.04	619.00	610.00	NP	0.00	21.70	19.06	615.34	No	
MW-07	04/27/89	634.40	637.04	619.00	610.00	NP	0.00	21.61	18.97	615.43	No	
MW-07	05/18/89	634.40	637.04	619.00	610.00	NP	0.00	21.36	18.72	615.68	No	
MW-07	06/30/89	634.40	637.04	619.00	610.00	NP	0.00	20.98	18.34	616.06	No	
MW-07	07/12/89	634.40	637.04	619.00	610.00	NP	0.00	21.03	18.39	616.01	No	
MW-07	07/26/89	634.40	637.04	619.00	610.00	NP	0.00	21.00	18.36	616.04	No	
MW-07	07/27/89	634.40	637.04	619.00	610.00	NP	0.00	21.08	18.44	615.96	No	
MW-07	09/03/89	634.40	637.04	619.00	610.00	NP	0.00	21.17	18.53	615.87	No	
MW-07	11/16/89	634.40	637.04	619.00	610.00	NP	0.00	21.27	18.63	615.77	No	
MW-07	11/28/89	634.40	637.04	619.00	610.00	NP	0.00	21.31	18.67	615.73	No	
MW-07	06/01/90	634.40	637.04	619.00	610.00	NP	0.00	21.68	19.04	615.36	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-07	06/19/90	634.40	637.04	619.00	610.00	NP	0.00	21.50	18.86	615.54	No	
MW-07	06/27/90	634.40	637.04	619.00	610.00	NP	0.00	21.47	18.83	615.57	No	
MW-07	07/05/90	634.40	637.04	619.00	610.00	NP	0.00	21.46	18.82	615.58	No	
MW-07	07/13/90	634.40	637.04	619.00	610.00	NP	0.00	21.49	18.85	615.55	No	
MW-07	07/17/90	634.40	637.04	619.00	610.00	NP	0.00	21.37	18.73	615.67	No	
MW-07	07/25/90	634.40	637.04	619.00	610.00	NP	0.00	21.36	18.72	615.68	No	
MW-07	08/09/90	634.40	637.04	619.00	610.00	NP	0.00	21.34	18.70	615.70	No	
MW-07	08/14/90	634.40	637.04	619.00	610.00	NP	0.00	21.38	18.74	615.66	No	
MW-07	08/27/90	634.40	637.04	619.00	610.00	NP	0.00	21.34	18.70	615.70	No	
MW-07	09/06/90	634.40	637.04	619.00	610.00	NP	0.00	21.30	18.66	615.74	No	
MW-07	01/04/91	634.40	637.04	619.00	610.00	NP	0.00	20.89	18.25	616.15	No	
MW-07	01/30/91	634.40	637.04	619.00	610.00	NP	0.00	20.98	18.34	616.06	No	
MW-07	04/24/91	634.40	637.04	619.00	610.00	NP	0.00	21.43	18.79	615.61	No	
MW-07	07/09/91	634.40	637.04	619.00	610.00	NP	0.00	20.19	17.55	616.85	No	
MW-07	08/06/91	634.40	637.04	619.00	610.00	NP	0.00	19.83	17.19	617.21	No	
MW-07	09/04/91	634.40	637.04	619.00	610.00	NP	0.00	19.94	17.30	617.10	No	
MW-07	10/08/91	634.40	637.04	619.00	610.00	NP	0.00	19.60	16.96	617.44	No	
MW-07	11/08/91	634.40	637.04	619.00	610.00	NP	0.00	19.37	16.73	617.67	No	
MW-07	12/03/91	634.40	637.04	619.00	610.00	NP	0.00	19.32	16.68	617.72	No	
MW-07	01/07/92	634.40	637.04	619.00	610.00	NP	0.00	19.30	16.66	617.74	No	
MW-07	02/04/92	634.40	637.04	619.00	610.00	NP	0.00	19.51	16.87	617.53	No	
MW-07	03/03/92	634.40	637.04	619.00	610.00	NP	0.00	19.76	17.12	617.28	No	
MW-07	09/24/92	634.40	637.04	619.00	610.00	NP	0.00	16.47	13.83	620.57	Yes	
MW-07	10/14/92	634.40	637.04	619.00	610.00	NP	0.00	19.17	16.53	617.87	No	
MW-07	06/25/93	634.40	637.04	619.00	610.00	NP	0.00	17.54	14.90	619.50	Yes	
MW-07	10/28/93	634.40	637.04	619.00	610.00	NP	0.00	19.16	16.52	617.88	No	
MW-07	01/29/94	634.40	637.04	619.00	610.00	NP	0.00	19.77	17.13	617.27	No	
MW-07	04/27/94	634.40	637.04	619.00	610.00	NP	0.00	20.43	17.79	616.61	No	
MW-07	07/21/94	634.40	637.04	619.00	610.00	NP	0.00	19.36	16.72	617.68	No	
MW-07	10/25/94	634.40	637.04	619.00	610.00	NP	0.00	19.68	17.04	617.36	No	
MW-07	10/27/94	634.40	637.04	619.00	610.00	NP	0.00	19.16	16.52	617.88	No	
MW-07	11/02/94	634.40	637.04	619.00	610.00	NP	0.00	17.10	14.46	619.94	Yes	
MW-07	02/01/95	634.40	637.04	619.00	610.00	NP	0.00	20.24	17.60	616.80	No	
MW-07	04/04/95	634.40	637.04	619.00	610.00	NP	0.00	20.62	17.98	616.42	No	
MW-07	07/12/95	634.40	637.04	619.00	610.00	NP	0.00	20.36	17.72	616.68	No	
MW-07	11/13/95	634.40	637.04	619.00	610.00	NP	0.00	20.01	17.37	617.03	No	
MW-07	03/13/96	634.40	637.04	619.00	610.00	NP	0.00	20.60	17.96	616.44	No	
MW-07	04/22/96	634.40	637.04	619.00	610.00	NP	0.00	20.47	17.83	616.57	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-07	10/08/96	634.40	637.04	619.00	610.00	NP	0.00	18.96	16.32	618.08	No	
MW-07	04/29/97	634.40	637.04	619.00	610.00	NP	0.00	18.75	16.11	618.29	No	
MW-07	11/03/98	634.40	637.04	619.00	610.00	NP	0.00	20.85	18.21	616.19	No	
MW-07	03/02/99	634.40	637.04	619.00	610.00	NP	0.00	20.90	18.26	616.14	No	
MW-07	04/26/00	634.40	637.04	619.00	610.00	NP	0.00	20.37	17.73	616.67	No	
MW-07	10/10/00	634.40	637.04	619.00	610.00	NP	0.00	19.68	17.04	617.36	No	
MW-07	04/24/01	634.40	637.04	619.00	610.00	NP	0.00	20.54	17.90	616.50	No	
MW-07	10/23/01	634.40	637.04	619.00	610.00	NP	0.00	20.63	17.99	616.41	No	
MW-07	04/23/02	634.40	637.04	619.00	610.00	NP	0.00	21.15	18.51	615.89	No	
MW-07	11/05/02	634.40	637.04	619.00	610.00	NP	0.00	20.59	17.95	616.45	No	Cover Rusted On
MW-07	08/28/03						Abandoned					
MW-08	03/23/88	632.50	634.78	616.60	606.60	NP	0.00	20.97	18.69	613.81	No	
MW-08	09/08/88	632.50	634.78	616.60	606.60	NP	0.00	21.52	19.24	613.26	No	
MW-08	09/20/88	632.50	634.78	616.60	606.60	NP	0.00	21.62	19.34	613.16	No	
MW-08	04/27/89	632.50	634.78	616.60	606.60	NP	0.00	21.30	19.02	613.48	No	
MW-08	05/18/89	632.50	634.78	616.60	606.60	NP	0.00	21.04	18.76	613.74	No	
MW-08	06/30/89	632.50	634.78	616.60	606.60	NP	0.00	20.85	18.57	613.93	No	
MW-08	07/12/89	632.50	634.78	616.60	606.60	NP	0.00	20.87	18.59	613.91	No	
MW-08	07/26/89	632.50	634.78	616.60	606.60	NP	0.00	20.90	18.62	613.88	No	
MW-08	07/27/89	632.50	634.78	616.60	606.60	NP	0.00	20.96	18.68	613.82	No	
MW-08	09/03/89	632.50	634.78	616.60	606.60	NP	0.00	21.13	18.85	613.65	No	
MW-08	11/16/89	632.50	634.78	616.60	606.60	NP	0.00	21.21	18.93	613.57	No	
MW-08	11/28/89	632.50	634.78	616.60	606.60	NP	0.00	21.25	18.97	613.53	No	
MW-08	06/01/90	632.50	634.78	616.60	606.60	NP	0.00	21.92	19.64	612.86	No	
MW-08	06/19/90	632.50	634.78	616.60	606.60	NP	0.00	21.59	19.31	613.19	No	
MW-08	06/27/90	632.50	634.78	616.60	606.60	NP	0.00	21.57	19.29	613.21	No	
MW-08	07/05/90	632.50	634.78	616.60	606.60	NP	0.00	21.56	19.28	613.22	No	
MW-08	07/13/90	632.50	634.78	616.60	606.60	NP	0.00	21.60	19.32	613.18	No	
MW-08	07/17/90	632.50	634.78	616.60	606.60	NP	0.00	21.47	19.19	613.31	No	
MW-08	07/25/90	632.50	634.78	616.60	606.60	NP	0.00	21.50	19.22	613.28	No	
MW-08	08/09/90	632.50	634.78	616.60	606.60	NP	0.00	21.51	19.23	613.27	No	
MW-08	08/14/90	632.50	634.78	616.60	606.60	NP	0.00	21.55	19.27	613.23	No	
MW-08	08/27/90	632.50	634.78	616.60	606.60	NP	0.00	21.53	19.25	613.25	No	
MW-08	09/06/90	632.50	634.78	616.60	606.60	NP	0.00	21.47	19.19	613.31	No	
MW-08	01/04/91	632.50	634.78	616.60	606.60	NP	0.00	20.80	18.52	613.98	No	
MW-08	01/30/91	632.50	634.78	616.60	606.60	NP	0.00	20.97	18.69	613.81	No	
MW-08	04/24/91	632.50	634.78	616.60	606.60	NP	0.00	21.44	19.16	613.34	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-08	07/09/91	632.50	634.78	616.60	606.60	NP	0.00	20.11	17.83	614.67	No	
MW-08	10/08/91	632.50	634.78	616.60	606.60	NP	0.00	18.47	16.19	616.31	No	
MW-08	01/07/92	632.50	634.78	616.60	606.60	NP	0.00	17.97	15.69	616.81	Yes	
MW-08	10/14/92	632.50	634.78	616.60	606.60	NP	0.00	17.78	15.50	617.00	Yes	
MW-08	06/25/93	632.50	634.78	616.60	606.60	NP	0.00	17.54	15.26	617.24	Yes	
MW-08	10/28/93	632.50	634.78	616.60	606.60	NP	0.00	17.73	15.45	617.05	Yes	
MW-08	01/29/94	632.50	634.78	616.60	606.60	NP	0.00	18.34	16.06	616.44	No	
MW-08	04/27/94	632.50	634.78	616.60	606.60	NP	0.00	18.98	16.70	615.80	No	
MW-08	07/21/94	632.50	634.78	616.60	606.60	NP	0.00	17.98	15.70	616.80	Yes	
MW-08	10/25/94	632.50	634.78	616.60	606.60	NP	0.00	18.29	16.01	616.49	No	
MW-08	10/27/94	632.50	634.78	616.60	606.60	NP	0.00	17.98	15.70	616.80	Yes	
MW-08	11/02/94	632.50	634.78	616.60	606.60	NP	0.00	17.38	15.10	617.40	Yes	
MW-08	02/01/95	632.50	634.78	616.60	606.60	NP	0.00	18.90	16.62	615.88	No	
MW-08	04/04/95	632.50	634.78	616.60	606.60	NP	0.00	19.59	17.31	615.19	No	
MW-08	07/12/95	632.50	634.78	616.60	606.60	NP	0.00	19.43	17.15	615.35	No	
MW-08	11/13/95	632.50	634.78	616.60	606.60	NP	0.00	18.81	16.53	615.97	No	
MW-08	03/13/96	632.50	634.78	616.60	606.60	NP	0.00	19.49	17.21	615.29	No	
MW-08	04/22/96	632.50	634.78	616.60	606.60	NP	0.00	19.05	16.77	615.73	No	
MW-08	10/08/96	632.50	634.78	616.60	606.60	NP	0.00	17.38	15.10	617.40	Yes	
MW-08	04/29/97	632.50	634.78	616.60	606.60	NP	0.00	17.16	14.88	617.62	Yes	
MW-08	11/03/98	632.50	634.78	616.60	606.60	NP	0.00	19.99	17.71	614.79	No	
MW-08	03/02/99	632.50	634.78	616.60	606.60	NP	0.00	20.09	17.81	614.69	No	
MW-08	04/26/00	632.50	634.78	616.60	606.60	NP	0.00	19.04	16.76	615.74	No	
MW-08	10/10/00	632.50	634.78	616.60	606.60	NP	0.00	19.45	17.17	615.33	No	
MW-08	04/24/01	632.50	634.78	616.60	606.60	NP	0.00	20.23	17.95	614.55	No	
MW-08	10/23/01	632.50	634.78	616.60	606.60	NP	0.00	19.66	17.38	615.12	No	
MW-08	04/23/02	632.50	634.78	616.60	606.60	NP	0.00	20.55	18.27	614.23	No	
MW-08	11/05/02	632.50	634.78	616.60	606.60	NP	0.00	19.50	17.22	615.28	No	
MW-08	08/18/03						Abandoned					
MW-09	03/23/88	629.40	631.98	613.90	604.90	NP	0.00	16.19	13.61	615.79	Yes	
MW-09	09/08/88	629.40	631.98	613.90	604.90	NP	0.00	15.22	12.64	616.76	Yes	
MW-09	09/20/88	629.40	631.98	613.90	604.90	NP	0.00	15.27	12.69	616.71	Yes	
MW-09	04/27/89	629.40	631.98	613.90	604.90	NP	0.00	15.72	13.14	616.26	Yes	
MW-09	05/18/89	629.40	631.98	613.90	604.90	NP	0.00	15.09	12.51	616.89	Yes	
MW-09	06/30/89	629.40	631.98	613.90	604.90	NP	0.00	15.00	12.42	616.98	Yes	
MW-09	07/12/89	629.40	631.98	613.90	604.90	NP	0.00	15.36	12.78	616.62	Yes	
MW-09	07/26/89	629.40	631.98	613.90	604.90	NP	0.00	15.67	13.09	616.31	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-09	07/27/89	629.40	631.98	613.90	604.90	NP	0.00	15.74	13.16	616.24	Yes	
MW-09	09/03/89	629.40	631.98	613.90	604.90	NP	0.00	15.50	12.92	616.48	Yes	
MW-09	11/16/89	629.40	631.98	613.90	604.90	NP	0.00	13.77	11.19	618.21	Yes	
MW-09	11/28/89	629.40	631.98	613.90	604.90	NP	0.00	14.28	11.70	617.70	Yes	
MW-09	06/01/90	629.40	631.98	613.90	604.90	NP	0.00	14.87	12.29	617.11	Yes	
MW-09	06/19/90	629.40	631.98	613.90	604.90	NP	0.00	14.54	11.96	617.44	Yes	
MW-09	06/27/90	629.40	631.98	613.90	604.90	NP	0.00	14.70	12.12	617.28	Yes	
MW-09	07/05/90	629.40	631.98	613.90	604.90	NP	0.00	15.03	12.45	616.95	Yes	
MW-09	07/13/90	629.40	631.98	613.90	604.90	NP	0.00	15.28	12.70	616.70	Yes	
MW-09	07/17/90	629.40	631.98	613.90	604.90	NP	0.00	15.15	12.57	616.83	Yes	
MW-09	07/25/90	629.40	631.98	613.90	604.90	NP	0.00	15.50	12.92	616.48	Yes	
MW-09	08/09/90	629.40	631.98	613.90	604.90	NP	0.00	15.56	12.98	616.42	Yes	
MW-09	08/14/90	629.40	631.98	613.90	604.90	NP	0.00	15.75	13.17	616.23	Yes	
MW-09	08/27/90	629.40	631.98	613.90	604.90	NP	0.00	14.93	12.35	617.05	Yes	
MW-09	09/06/90	629.40	631.98	613.90	604.90	NP	0.00	15.09	12.51	616.89	Yes	
MW-09	01/04/91	629.40	631.98	613.90	604.90	NP	0.00	14.28	11.70	617.70	Yes	
MW-09	01/30/91	629.40	631.98	613.90	604.90	NP	0.00	15.26	12.68	616.72	Yes	
MW-09	04/24/91	629.40	631.98	613.90	604.90	NP	0.00	15.47	12.89	616.51	Yes	
MW-09	07/09/91	629.40	631.98	613.90	604.90	NP	0.00	12.85	10.27	619.13	Yes	
MW-09	10/08/91	629.40	631.98	613.90	604.90	NP	0.00	11.98	9.40	620.00	Yes	
MW-09	01/07/92	629.40	631.98	613.90	604.90	NP	0.00	10.20	7.62	621.78	Yes	
MW-09	10/14/92	629.40	631.98	613.90	604.90	NP	0.00	9.98	7.40	622.00	Yes	
MW-09	01/29/94	629.40	631.98	613.90	604.90	NP	0.00	14.04	11.46	617.94	Yes	
MW-09	04/27/94	629.40	631.98	613.90	604.90	NP	0.00	12.84	10.26	619.14	Yes	
MW-09	07/21/94	629.40	631.98	613.90	604.90	NP	0.00	12.96	10.38	619.02	Yes	
MW-09	10/25/94	629.40	631.98	613.90	604.90	NP	0.00	11.62	9.04	620.36	Yes	
MW-09	10/27/94	629.40	631.98	613.90	604.90	NP	0.00	11.18	8.60	620.80	Yes	
MW-09	11/02/94	629.40	631.98	613.90	604.90	NP	0.00	9.30	6.72	622.68	Yes	
MW-09	02/01/95	629.40	631.98	613.90	604.90	NP	0.00	14.66	12.08	617.32	Yes	
MW-09	04/04/95	629.40	631.98	613.90	604.90	NP	0.00	15.61	13.03	616.37	Yes	
MW-09	07/12/95	629.40	631.98	613.90	604.90	NP	0.00	13.70	11.12	618.28	Yes	
MW-09	11/13/95	629.40	631.98	613.90	604.90	NP	0.00	10.19	7.61	621.79	Yes	
MW-09	03/13/96	629.40	631.98	613.90	604.90	NP	0.00	14.97	12.39	617.01	Yes	
MW-09	10/08/96	629.40	631.98	613.90	604.90	NP	0.00	10.94	8.36	621.04	Yes	
MW-09	04/29/97	629.40	631.98	613.90	604.90	NP	0.00	10.35	7.77	621.63	Yes	
MW-09	11/03/98	629.40	631.98	613.90	604.90	NP	0.00	14.24	11.66	617.74	Yes	
MW-09	03/02/99	629.40	631.98	613.90	604.90	NP	0.00	14.95	12.37	617.03	Yes	
MW-09	04/26/00	629.40	631.98	613.90	604.90	NP	0.00	14.20	11.62	617.78	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-09	08/18/00	629.40	631.98	613.90	604.90	NP	0.00	14.24	11.66	617.74	Yes	
MW-09	10/10/00	629.40	631.98	613.90	604.90	NP	0.00	14.66	12.08	617.32	Yes	
MW-09	11/05/02	629.40	631.98	613.90	604.90	NP	0.00	15.79	13.21	616.19	Yes	
MW-09	10/21/03	Monitoring Well Replaced Due to Road Construction										
MW-09	04/19/04	631.30	634.22	613.90	604.90	NP	0.00	20.55	17.63	613.67	No	
MW-09	11/16/04	631.30	634.22	613.90	604.90	NP	0.00	18.39	15.47	615.83	Yes	
MW-09	04/18/05	631.30	634.22	613.90	604.90	NP	0.00	19.32	16.40	614.90	Yes	
MW-09	10/11/05	631.30	634.22	613.90	604.90	NP	0.00	18.50	15.58	615.72	Yes	
MW-09	05/23/06	631.30	634.22	613.90	604.90	NP	0.00	17.69	14.77	616.53	Yes	
MW-09	10/16/06	631.30	634.22	613.90	604.90	NP	0.00	18.58	15.66	615.64	Yes	
MW-09	04/23/07	631.30	634.22	613.90	604.90	NP	0.00	19.31	16.39	614.91	Yes	
MW-09	09/25/07	631.30	634.22	613.90	604.90	NP	0.00	19.46	16.54	614.76	Yes	
MW-09	05/01/08	631.30	634.22	613.90	604.90	NP	0.00	18.21	15.29	616.01	Yes	
MW-09	10/20/08	631.30	634.22	613.90	604.90	NP	0.00	16.83	13.91	617.39	Yes	
MW-09	04/18/09	631.30	634.22	613.90	604.90	NP	0.00	17.66	14.74	616.56	Yes	
MW-09	10/11/09	631.30	634.22	613.90	604.90	NP	0.00	18.17	15.25	616.05	Yes	
MW-09	04/28/10	631.30	634.22	613.90	604.90	NP	0.00	18.12	15.20	616.10	Yes	
MW-09	10/25/10	631.30	634.22	613.90	604.90	NP	0.00	16.62	13.70	617.60	Yes	
MW-09	04/25/11	631.30	634.22	613.90	604.90	NP	0.00	17.42	14.50	616.80	Yes	
MW-09	10/10/11	631.30	634.22	613.90	604.90	NP	0.00	16.93	14.01	617.29	Yes	
MW-09	01/04/12	631.30	634.22	613.90	604.90	NP	0.00	18.12	15.20	616.10	Yes	
MW-09	04/16/12	631.30	634.22	613.90	604.90	NP	0.00	18.75	15.83	615.47	Yes	
MW-09	06/26/12	631.30	634.22	613.90	604.90	NP	0.00	16.50	13.58	617.72	Yes	
MW-09	09/30/12	631.30	634.22	613.90	604.90	NP	0.00	17.92	15.00	616.30	Yes	
MW-09	12/17/12	631.30	634.22	613.90	604.90	NP	0.00	18.54	15.62	615.68	Yes	
MW-09	03/25/13	631.30	634.22	613.90	604.90	NP	0.00	19.38	16.46	614.84	Yes	
MW-09	05/05/13	631.30	634.22	613.90	604.90	NP	0.00	19.07	16.15	615.15	Yes	
MW-10	03/23/88	631.40	633.77	615.90	606.90	NP	0.00	18.01	15.64	615.76	No	
MW-10	09/08/88	631.40	633.77	615.90	606.90	NP	0.00	18.38	16.01	615.39	No	
MW-10	09/20/88	631.40	633.77	615.90	606.90	NP	0.00	18.60	16.23	615.17	No	
MW-10	04/27/89	631.40	633.77	615.90	606.90	NP	0.00	18.37	16.00	615.40	No	
MW-10	05/18/89	631.40	633.77	615.90	606.90	NP	0.00	18.10	15.73	615.67	No	
MW-10	06/30/89	631.40	633.77	615.90	606.90	NP	0.00	17.55	15.18	616.22	Yes	
MW-10	07/12/89	631.40	633.77	615.90	606.90	NP	0.00	17.66	15.29	616.11	Yes	
MW-10	07/26/89	631.40	633.77	615.90	606.90	NP	0.00	17.61	15.24	616.16	Yes	
MW-10	07/27/89	631.40	633.77	615.90	606.90	NP	0.00	17.68	15.31	616.09	Yes	
MW-10	09/03/89	631.40	633.77	615.90	606.90	NP	0.00	17.73	15.36	616.04	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-10	11/16/89	631.40	633.77	615.90	606.90	NP	0.00	17.94	15.57	615.83	No	
MW-10	11/28/89	631.40	633.77	615.90	606.90	NP	0.00	18.20	15.83	615.57	No	
MW-10	06/01/90	631.40	633.77	615.90	606.90	NP	0.00	18.34	15.97	615.43	No	
MW-10	06/19/90	631.40	633.77	615.90	606.90	NP	0.00	18.14	15.77	615.63	No	
MW-10	06/27/90	631.40	633.77	615.90	606.90	NP	0.00	18.28	15.91	615.49	No	
MW-10	07/05/90	631.40	633.77	615.90	606.90	NP	0.00	18.50	16.13	615.27	No	
MW-10	07/13/90	631.40	633.77	615.90	606.90	NP	0.00	18.40	16.03	615.37	No	
MW-10	07/17/90	631.40	633.77	615.90	606.90	NP	0.00	18.23	15.86	615.54	No	
MW-10	07/25/90	631.40	633.77	615.90	606.90	NP	0.00	18.36	15.99	615.41	No	
MW-10	08/09/90	631.40	633.77	615.90	606.90	NP	0.00	18.28	15.91	615.49	No	
MW-10	08/14/90	631.40	633.77	615.90	606.90	NP	0.00	18.39	16.02	615.38	No	
MW-10	08/27/90	631.40	633.77	615.90	606.90	NP	0.00	18.09	15.72	615.68	No	
MW-10	09/06/90	631.40	633.77	615.90	606.90	NP	0.00	18.02	15.65	615.75	No	
MW-10	01/04/91	631.40	633.77	615.90	606.90	NP	0.00	17.44	15.07	616.33	Yes	
MW-10	01/30/91	631.40	633.77	615.90	606.90	NP	0.00	17.57	15.20	616.20	Yes	
MW-10	04/24/91	631.40	633.77	615.90	606.90	NP	0.00	18.19	15.82	615.58	No	
MW-10	07/09/91	631.40	633.77	615.90	606.90	NP	0.00	16.16	13.79	617.61	Yes	
MW-10	10/08/91	631.40	633.77	615.90	606.90	NP	0.00	14.89	12.52	618.88	Yes	
MW-10	01/07/92	631.40	633.77	615.90	606.90	NP	0.00	14.88	12.51	618.89	Yes	
MW-10	10/14/92	631.40	633.77	615.90	606.90	NP	0.00	14.87	12.50	618.90	Yes	
MW-10	01/29/94	631.40	633.77	615.90	606.90	NP	0.00	16.01	13.64	617.76	Yes	
MW-10	04/27/94	631.40	633.77	615.90	606.90	NP	0.00	16.13	13.76	617.64	Yes	
MW-10	07/21/94	631.40	633.77	615.90	606.90	NP	0.00	14.78	12.41	618.99	Yes	
MW-10	10/25/94	631.40	633.77	615.90	606.90	NP	0.00	15.25	12.88	618.52	Yes	
MW-10	10/27/94	631.40	633.77	615.90	606.90	NP	0.00	14.70	12.33	619.07	Yes	
MW-10	11/02/94	631.40	633.77	615.90	606.90	NP	0.00	17.20	14.83	616.57	Yes	
MW-10	02/01/95	631.40	633.77	615.90	606.90	NP	0.00	16.96	14.59	616.81	Yes	
MW-10	04/04/95	631.40	633.77	615.90	606.90	NP	0.00	17.12	14.75	616.65	Yes	
MW-10	07/12/95	631.40	633.77	615.90	606.90	NP	0.00	16.15	13.78	617.62	Yes	
MW-10	11/13/95	631.40	633.77	615.90	606.90	NP	0.00	14.88	12.51	618.89	Yes	
MW-10	03/13/96	631.40	633.77	615.90	606.90	16.67	0.01	16.68	14.30	617.10	Yes	
MW-10	10/08/96	631.40	633.77	615.90	606.90	NP	0.00	14.02	11.65	619.75	Yes	
MW-10	04/29/97	631.40	633.77	615.90	606.90	NP	0.00	13.30	10.93	620.47	Yes	
MW-10	11/03/98	631.40	633.77	615.90	606.90	NP	0.00	17.01	14.64	616.76	Yes	
MW-10	03/02/99	631.40	633.77	615.90	606.90	NP	0.00	17.01	14.64	616.76	Yes	
MW-10	04/26/00	631.40	633.77	615.90	606.90	NP	0.00	16.18	13.81	617.59	Yes	
MW-10	08/18/00	631.40	633.77	615.90	606.90	NP	0.00	16.62	14.25	617.15	Yes	
MW-10	10/10/00	631.40	633.77	615.90	606.90	NP	0.00	16.80	14.43	616.97	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-10	09/30/02	631.40	633.77	615.90	606.90	NP	0.00	17.09	14.72	616.68	Yes	
MW-10	11/05/02	631.40	633.77	615.90	606.90	NP	0.00	16.34	13.97	617.43	Yes	
MW-10	06/10/03	631.40	633.77	615.90	606.90	NP	0.00	17.85	15.48	615.92	Yes	
MW-10	10/20/03	631.40	633.77	615.90	606.90	NP	0.00	17.97	15.60	615.80	No	
MW-10	12/03/03	631.40	633.77	615.90	606.90	NP	0.00	18.31	15.94	615.46	No	
MW-10	04/19/04	634.75	633.83	615.90	606.90	NP	0.00	18.39	19.31	615.44	No	
MW-10	07/28/04	634.75	633.83	615.90	606.90	NP	0.00	17.74	18.66	616.09	Yes	
MW-10	11/16/04	634.75	633.83	615.90	606.90	NP	0.00	17.17	18.09	616.66	Yes	
MW-10	04/18/05	634.75	633.83	615.90	606.90	NP	0.00	17.39	18.31	616.44	Yes	
MW-10	10/11/05	634.75	633.83	615.90	606.90	NP	0.00	16.62	17.54	617.21	Yes	
MW-10	05/23/06	634.75	633.83	615.90	606.90	NP	0.00	15.91	16.83	617.92	Yes	
MW-10	10/16/06	634.75	633.83	615.90	606.90	NP	0.00	16.81	17.73	617.02	Yes	
MW-10	04/23/07	634.75	633.83	615.90	606.90	NP	0.00	17.69	18.61	616.14	Yes	
MW-10	09/25/07	634.75	635.95	615.90	606.90	NP	0.00	19.56	18.36	616.39	Yes	
MW-10	05/01/08	634.75	635.95	615.90	606.90	NP	0.00	18.35	17.15	617.60	Yes	
MW-10	10/20/08	634.75	635.95	615.90	606.90	NP	0.00	17.26	16.06	618.69	Yes	
MW-10	04/18/09	634.75	635.95	615.90	606.90	NP	0.00	18.33	17.13	617.62	Yes	
MW-10	10/11/09	634.75	635.95	615.90	606.90	NP	0.00	18.79	17.59	617.16	Yes	
MW-10	04/28/10	634.75	635.95	615.90	606.90	NP	0.00	18.91	17.71	617.04	Yes	
MW-10	10/25/10	634.75	635.95	615.90	606.90	NP	0.00	16.70	15.50	619.25	Yes	
MW-10	04/25/11	634.75	635.95	615.90	606.90	NP	0.00	17.92	16.72	618.03	Yes	
MW-10	10/10/11	634.75	635.95	615.90	606.90	NP	0.00	17.48	16.28	618.47	Yes	
MW-10	01/04/12	634.75	635.95	615.90	606.90	NP	0.00	18.78	17.58	617.17	Yes	
MW-10	04/16/12	634.75	635.95	615.90	606.90	NP	0.00	19.57	18.37	616.38	Yes	
MW-10	06/26/12	634.75	635.95	615.90	606.90	NP	0.00	17.18	15.98	618.77	Yes	
MW-10	09/30/12	634.75	635.95	615.90	606.90	NP	0.00	18.61	17.41	617.34	Yes	
MW-10	12/17/12	634.75	635.95	615.90	606.90	NP	0.00	19.21	18.01	616.74	Yes	
MW-10	03/25/13	634.75	635.95	615.90	606.90	NP	0.00	19.97	18.77	615.98	Yes	
MW-10	05/05/13	634.75	635.95	615.90	606.90	NP	0.00	19.76	18.56	616.19	Yes	
MW-10	10/03/13	634.75	635.95	615.90	606.90	NP	0.00	19.31	18.11	616.64	Yes	
MW-10	05/21/14	634.75	635.95	615.90	606.90	NP	0.00	17.85	16.65	618.10	Yes	
MW-10	10/31/14	634.75	635.95	615.90	606.90	NP	0.00	17.43	16.23	618.52	Yes	
MW-10	05/05/15	634.75	635.95	615.90	606.90	NP	0.00	19.14	17.94	616.81	Yes	
MW-10	10/05/15	634.75	635.95	615.90	606.90	NP	0.00	17.08	15.88	618.87	Yes	
MW-10	05/23/16	634.75	635.95	615.90	606.90	NP	0.00	15.15	13.95	620.80	Yes	
MW-10	10/03/16	634.75	635.95	615.90	606.90	NP	0.00	16.22	15.02	619.73	Yes	
MW-10	06/29/17	634.75	635.95	615.90	606.90	NP	0.00	15.75	14.55	620.20	Yes	
MW-10	05/26/20	634.75	635.95	615.90	606.90	NP	0.00	15.05	13.85	620.90	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-10	05/24/21	634.75	635.95	615.90	606.90	NP	0.00	16.59	15.39	619.36	Yes	
MW-11	03/23/88	630.10	632.57	614.90	605.90	NP	0.00	17.13	14.66	615.44	Yes	
MW-11	09/08/88	630.10	632.57	614.90	605.90	NP	0.00	17.50	15.03	615.07	Yes	
MW-11	09/20/88	630.10	632.57	614.90	605.90	NP	0.00	17.55	15.08	615.02	Yes	
MW-11	04/27/89	630.10	632.57	614.90	605.90	NP	0.00	17.93	15.46	614.64	No	
MW-11	05/18/89	630.10	632.57	614.90	605.90	NP	0.00	17.36	14.89	615.21	Yes	
MW-11	06/30/89	630.10	632.57	614.90	605.90	NP	0.00	16.88	14.41	615.69	Yes	
MW-11	07/12/89	630.10	632.57	614.90	605.90	NP	0.00	16.95	14.48	615.62	Yes	
MW-11	07/26/89	630.10	632.57	614.90	605.90	NP	0.00	17.01	14.54	615.56	Yes	
MW-11	07/27/89	630.10	632.57	614.90	605.90	NP	0.00	17.04	14.57	615.53	Yes	
MW-11	09/03/89	630.10	632.57	614.90	605.90	NP	0.00	17.14	14.67	615.43	Yes	
MW-11	11/16/89	630.10	632.57	614.90	605.90	NP	0.00	17.15	14.68	615.42	Yes	
MW-11	11/28/89	630.10	632.57	614.90	605.90	NP	0.00	17.25	14.78	615.32	Yes	
MW-11	06/01/90	630.10	632.57	614.90	605.90	NP	0.00	17.33	14.86	615.24	Yes	
MW-11	06/19/90	630.10	632.57	614.90	605.90	NP	0.00	16.91	14.44	615.66	Yes	
MW-11	06/27/90	630.10	632.57	614.90	605.90	NP	0.00	17.12	14.65	615.45	Yes	
MW-11	07/05/90	630.10	632.57	614.90	605.90	NP	0.00	17.24	14.77	615.33	Yes	
MW-11	07/13/90	630.10	632.57	614.90	605.90	NP	0.00	17.33	14.86	615.24	Yes	
MW-11	07/17/90	630.10	632.57	614.90	605.90	NP	0.00	17.19	14.72	615.38	Yes	
MW-11	07/25/90	630.10	632.57	614.90	605.90	NP	0.00	17.30	14.83	615.27	Yes	
MW-11	08/09/90	630.10	632.57	614.90	605.90	NP	0.00	17.30	14.83	615.27	Yes	
MW-11	08/14/90	630.10	632.57	614.90	605.90	NP	0.00	17.39	14.92	615.18	Yes	
MW-11	08/27/90	630.10	632.57	614.90	605.90	NP	0.00	17.21	14.74	615.36	Yes	
MW-11	09/06/90	630.10	632.57	614.90	605.90	NP	0.00	17.12	14.65	615.45	Yes	
MW-11	01/04/91	630.10	632.57	614.90	605.90	NP	0.00	16.80	14.33	615.77	Yes	
MW-11	01/30/91	630.10	632.57	614.90	605.90	NP	0.00	16.99	14.52	615.58	Yes	
MW-11	04/24/91	630.10	632.57	614.90	605.90	NP	0.00	17.31	14.84	615.26	Yes	
MW-11	07/09/91	630.10	632.57	614.90	605.90	NP	0.00	15.56	13.09	617.01	Yes	
MW-11	10/08/91	630.10	632.57	614.90	605.90	NP	0.00	14.07	11.60	618.50	Yes	
MW-11	01/07/92	630.10	632.57	614.90	605.90	NP	0.00	14.16	11.69	618.41	Yes	
MW-11	10/14/92	630.10	632.57	614.90	605.90	NP	0.00	14.06	11.59	618.51	Yes	
MW-11	01/29/94	630.10	632.57	614.90	605.90	NP	0.00	15.12	12.65	617.45	Yes	
MW-11	04/27/94	630.10	632.57	614.90	605.90	NP	0.00	15.16	12.69	617.41	Yes	
MW-11	07/21/94	630.10	632.57	614.90	605.90	NP	0.00	13.95	11.48	618.62	Yes	
MW-11	10/25/94	630.10	632.57	614.90	605.90	NP	0.00	13.90	11.43	618.67	Yes	
MW-11	10/27/94	630.10	632.57	614.90	605.90	NP	0.00	13.51	11.04	619.06	Yes	
MW-11	02/01/95	630.10	632.57	614.90	605.90	NP	0.00	18.05	15.58	614.52	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-11	04/04/95	630.10	632.57	614.90	605.90	NP	0.00	16.09	13.62	616.48	Yes	
MW-11	07/12/95	630.10	632.57	614.90	605.90	NP	0.00	15.13	12.66	617.44	Yes	
MW-11	11/13/95	630.10	632.57	614.90	605.90	NP	0.00	13.85	11.38	618.72	Yes	
MW-11	03/13/96	630.10	632.57	614.90	605.90	NP	0.00	15.79	13.32	616.78	Yes	
MW-11	10/08/96	630.10	632.57	614.90	605.90	NP	0.00	13.26	10.79	619.31	Yes	
MW-11	04/29/97	630.10	632.57	614.90	605.90	NP	0.00	12.85	10.38	619.72	Yes	
MW-11	11/03/98	630.10	632.57	614.90	605.90	NP	0.00	15.93	13.46	616.64	Yes	
MW-11	03/02/99	630.10	632.57	614.90	605.90	NP	0.00	16.78	14.31	615.79	Yes	
MW-11	04/26/00	630.10	632.57	614.90	605.90	NP	0.00	15.39	12.92	617.18	Yes	
MW-11	08/18/00	630.10	632.57	614.90	605.90	NP	0.00	15.95	13.48	616.62	Yes	
MW-11	10/10/00	630.10	632.57	614.90	605.90	NP	0.00	15.95	13.48	616.62	Yes	
MW-11	11/05/02	630.10	632.57	614.90	605.90	NP	0.00	15.95	13.48	616.62	Yes	Cover Rusted On
MW-11	08/18/03						Abandoned					
MW-12	03/23/88	630.60	633.72	617.10	608.10	16.95	0.73	17.68	13.99	616.61	No	
MW-12	09/08/88	630.60	633.72	617.10	608.10	17.14	1.31	18.45	14.32	616.28	No	
MW-12	09/20/88	630.60	633.72	617.10	608.10	17.18	1.72	18.90	14.45	616.15	No	
MW-12	04/27/89	630.60	633.72	617.10	608.10	17.36	2.45	19.81	14.79	615.81	No	
MW-12	05/18/89	630.60	633.72	617.10	608.10	17.04	1.77	18.81	14.32	616.28	No	
MW-12	06/30/89	630.60	633.72	617.10	608.10	16.7	0.63	17.33	13.72	616.88	No	
MW-12	07/12/89	630.60	633.72	617.10	608.10	16.76	1.07	17.83	13.88	616.72	No	
MW-12	07/26/89	630.60	633.72	617.10	608.10	16.73	0.88	17.61	13.81	616.79	No	
MW-12	07/27/89	630.60	633.72	617.10	608.10	16.74	1.49	18.23	13.96	616.64	No	
MW-12	09/03/89	630.60	633.72	617.10	608.10	16.81	2.01	18.82	14.14	616.46	No	
MW-12	11/16/89	630.60	633.72	617.10	608.10	16.17	2.51	18.68	13.62	616.98	No	
MW-12	11/29/89	630.60	633.72	617.10	608.10	16.76	1.59	18.35	14.00	616.60	No	
MW-12	12/01/89	630.60	633.72	617.10	608.10	16.86	1.11	17.97	13.99	616.61	No	
MW-12	12/02/89	630.60	633.72	617.10	608.10	17.00	2.42	19.42	14.43	616.17	No	
MW-12	05/04/90	630.60	633.72	617.10	608.10	17.11	1.84	18.95	14.41	616.19	No	
MW-12	06/19/90	630.60	633.72	617.10	608.10	16.95	1.35	18.30	14.13	616.47	No	
MW-12	06/27/90	630.60	633.72	617.10	608.10	17.05	1.53	18.58	14.28	616.32	No	
MW-12	07/05/90	630.60	633.72	617.10	608.10	17.05	2.33	19.38	14.46	616.14	No	
MW-12	07/13/90	630.60	633.72	617.10	608.10	17.00	1.80	18.80	14.29	616.31	No	
MW-12	07/17/90	630.60	633.72	617.10	608.10	16.97	1.73	18.70	14.24	616.36	No	
MW-12	07/25/90	630.60	633.72	617.10	608.10	17.05	2.27	19.32	14.44	616.16	No	
MW-12	08/09/90	630.60	633.72	617.10	608.10	17.13	2.34	19.47	14.54	616.06	No	
MW-12	01/04/91	630.60	633.72	617.10	608.10	16.68	1.23	17.91	13.84	616.76	No	
MW-12	01/30/91	630.60	633.72	617.10	608.10	16.72	1.95	18.67	14.04	616.56	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-12	04/24/91	630.60	633.72	617.10	608.10	16.83	2.34	19.17	14.24	616.36	No	
MW-12	07/09/91	630.60	633.72	617.10	608.10	15.70	1.18	16.88	12.85	617.75	Yes	
MW-12	10/08/91	630.60	633.72	617.10	608.10	14.22	2.70	16.92	11.71	618.89	Yes	
MW-12	01/07/92	630.60	633.72	617.10	608.10	14.21	2.86	17.07	11.74	618.86	Yes	
MW-12	10/14/92	630.60	633.72	617.10	608.10	13.93	3.65	17.58	11.63	618.97	Yes	
MW-12	06/25/93	630.60	633.72	617.10	608.10	12.73	4.78	17.51	10.69	619.91	Yes	
MW-12	10/28/93	630.60	633.72	617.10	608.10	14.80	2.20	17.00	12.18	618.42	Yes	
MW-12	01/29/94	630.60	633.72	617.10	608.10	15.56	1.13	16.69	12.70	617.90	Yes	
MW-12	04/27/94	630.60	633.72	617.10	608.10	15.88	0.57	16.45	12.89	617.71	Yes	
MW-12	07/21/94	630.60	633.72	617.10	608.10	14.78	0.54	15.32	11.78	618.82	Yes	
MW-12	08/30/94	630.60	633.72	617.10	608.10	15.58	0.41	15.99	12.55	618.05	Yes	
MW-12	10/25/94	630.60	633.72	617.10	608.10	15.09	0.44	15.53	12.07	618.53	Yes	
MW-12	07/12/95	630.60	633.72	617.10	608.10	15.99	0.85	16.84	13.06	617.54	Yes	
MW-12	11/13/95	630.60	633.72	617.10	608.10	14.95	1.60	16.55	12.19	618.41	Yes	
MW-12	03/13/96	630.60	633.72	617.10	608.10	16.47	0.73	17.20	13.51	617.09	No	
MW-12	10/08/96	630.60	633.72	617.10	608.10	14.10	2.90	17.00	11.64	618.96	Yes	
MW-12	04/29/97	630.60	633.72	617.10	608.10	13.70	3.50	17.20	11.37	619.23	Yes	
MW-12	06/10/97	630.60	633.72	617.10	608.10	14.47	2.43	16.90	11.90	618.70	Yes	FP bailed 5/22/97
MW-12	11/03/98	630.60	633.72	617.10	608.10	16.71	1.66	18.37	13.96	616.64	No	
MW-12	03/02/99	630.60	633.72	617.10	608.10	16.75	2.34	19.09	14.16	616.44	No	
MW-12	10/07/99	630.60	633.72	617.10	608.10	14.28	3.28	17.56	11.90	618.70	Yes	
MW-12	11/09/99	630.60	633.72	617.10	608.10	14.26	3.11	17.37	11.84	618.76	Yes	bailed .5 gal. FP
MW-12	12/21/99	630.60	633.72	617.10	608.10	17.21	0.15	17.36	14.12	616.48	No	bailed <0.1 gal. FP
MW-12	01/27/00	630.60	633.72	617.10	608.10	16.00	1.30	17.30	13.17	617.43	Yes	bailed 0.2 gal. FP
MW-12	02/24/00	630.60	633.72	617.10	608.10	16.31	0.98	17.29	13.41	617.19	Yes	bailed 0.2 gal. FP
MW-12	03/31/00	630.60	633.72	617.10	608.10	16.37	0.87	17.24	13.45	617.15	Yes	bailed 0.25 gal. FP
MW-12	04/20/00	630.60	633.72	617.10	608.10	16.12	2.11	18.23	13.48	617.12	Yes	bailed .5 gal. FP
MW-12	04/26/00	630.60	633.72	617.10	608.10	16.40	0.83	17.23	13.47	617.13	Yes	bailed .5 gal. FP
MW-12	05/31/00	630.60	633.72	617.10	608.10	16.49	0.56	17.05	13.50	617.10	Yes	bailed .125 gal. FP
MW-12	06/29/00	630.60	633.72	617.10	608.10	16.27	0.77	17.04	13.32	617.28	Yes	bailed 0.25 gal. FP
MW-12	07/26/00	630.60	633.72	617.10	608.10	16.40	0.69	17.09	13.44	617.16	Yes	bailed <0.1 gal. FP
MW-12	08/18/00	630.60	633.72	617.10	608.10	16.62	0.57	17.19	13.63	616.97	No	bailed 0.25 gal. FP
MW-12	09/27/00	630.60	633.72	617.10	608.10	16.83	0.43	17.26	13.81	616.79	No	bailed 0.125 gal. FP
MW-12	10/11/00	630.60	633.72	617.10	608.10	16.74	0.36	17.10	13.70	616.90	No	bailed 0.15 gal. FP
MW-12	11/17/00	630.60	633.72	617.10	608.10	16.89	0.46	17.35	13.87	616.73	No	bailed 0.25 gal. FP
MW-12	12/12/00	630.60	633.72	617.10	608.10	16.84	0.37	17.21	13.80	616.80	No	bailed 0.25 gal. FP
MW-12	01/18/01	630.60	633.72	617.10	608.10	17.10	0.26	17.36	14.04	616.56	No	bailed 0.25 gal. FP
MW-12	05/23/01	630.60	633.72	617.10	608.10	16.30	0.48	16.78	13.29	617.31	Yes	no product bailed

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-12	06/19/01	630.60	633.72	617.10	608.10	16.24	0.58	16.82	13.25	617.35	Yes	
MW-12	07/26/01	630.60	633.72	617.10	608.10	16.49	0.56	17.05	13.50	617.10	Yes	
MW-12	08/31/01	630.60	633.72	617.10	608.10	16.90	0.39	17.29	13.87	616.73	No	
MW-12	09/26/01	630.60	633.72	617.10	608.10	16.92	0.36	17.28	13.88	616.72	No	
MW-12	10/24/01	630.60	633.72	617.10	608.10	17.00	0.30	17.30	13.95	616.65	No	
MW-12	12/20/01	630.60	633.72	617.10	608.10	17.51	0.21	17.72	14.44	616.16	No	
MW-12	01/22/02	630.60	633.72	617.10	608.10	17.49	0.08	17.57	14.39	616.21	No	
MW-12	02/26/02	630.60	633.72	617.10	608.10	17.73	0.22	17.95	14.66	615.94	No	
MW-12	03/20/02	630.60	633.72	617.10	608.10	17.81	0.60	18.41	14.83	615.77	No	
MW-12	04/24/02	630.60	633.72	617.10	608.10	16.71	0.19	16.90	13.63	616.97	No	
MW-12	05/15/02	630.60	633.72	617.10	608.10	17.41	0.09	17.50	14.31	616.29	No	
MW-12	06/27/02	630.60	633.72	617.10	608.10	17.58	0.14	17.72	14.49	616.11	No	
MW-12	07/25/02	630.60	633.72	617.10	608.10	17.45	0.17	17.62	14.37	616.23	No	
MW-12	08/20/02	630.60	633.72	617.10	608.10	17.49	0.19	17.68	14.41	616.19	No	
MW-12	09/30/02	630.60	633.72	617.10	608.10	17.07	0.29	17.36	14.02	616.58	No	
MW-12	11/05/02	630.60	633.72	617.10	608.10	16.98	0.36	17.34	13.94	616.66	No	
MW-12	12/23/02	630.60	633.72	617.10	608.10	17.19	0.31	17.50	14.14	616.46	No	
MW-12	01/28/03	630.60	633.72	617.10	608.10	17.60	0.28	17.88	14.54	616.06	No	
MW-12	02/19/03	630.60	633.72	617.10	608.10	17.72	0.20	17.92	14.65	615.95	No	
MW-12	04/17/03	630.60	633.72	617.10	608.10	17.91	1.12	19.03	15.04	615.56	No	
MW-12	10/23/03	630.60	633.72	617.10	608.10	18.03	1.50	19.53	15.25	615.35	No	
MW-12	12/03/03	630.60	633.72	617.10	608.10	18.12	1.83	19.95	15.41	615.19	No	
MW-12	04/19/04	632.36	633.91	617.10	608.10	18.62	2.43	21.05	17.62	614.74	No	
MW-12	07/28/04	632.36	633.91	617.10	608.10	18.08	0.82	18.90	16.72	615.64	No	
MW-12	11/15/04	632.36	633.91	617.10	608.10	17.55	0.15	17.70	16.03	616.33	No	
MW-12	04/18/05	632.36	633.91	617.10	608.10	17.42	0.16	17.58	15.91	616.45	No	
MW-12	10/11/05	632.36	633.91	617.10	608.10	17.09	0.62	17.71	15.68	616.68	No	
MW-12	05/23/06	632.36	633.91	617.10	608.10	16.35	1.55	17.90	15.15	617.21	Yes	
MW-12	10/16/06	632.36	633.91	617.10	608.10	17.18	1.01	18.19	15.86	616.50	No	
MW-12	04/23/07	632.36	633.91	617.10	608.10	17.68	1.92	19.60	16.56	615.80	No	
MW-12	09/25/07	632.36	633.91	617.10	608.10	17.71	1.93	19.64	16.60	615.76	No	
MW-12	05/01/08	632.36	633.91	617.10	608.10	16.62	1.70	18.32	15.45	616.91	No	
MW-12	10/20/08	632.36	633.91	617.10	608.10	15.59	2.49	18.08	14.60	617.76	Yes	
MW-12	04/18/09	632.36	633.91	617.10	608.10	16.44	1.99	18.43	15.34	617.02	No	
MW-12	10/11/09	632.36	633.91	617.10	608.10	17.07	1.85	18.92	15.94	616.42	No	
MW-12	04/28/10	632.36	633.91	617.10	608.10	16.96	1.72	18.68	15.80	616.56	No	
MW-12	10/25/10	632.36	633.91	617.10	608.10	15.30	2.92	18.22	14.41	617.95	Yes	
MW-12	04/25/11	632.36	633.91	617.10	608.10	16.50	2.37	18.87	15.49	616.87	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-12	10/10/11	632.36	633.91	617.10	608.10	16.12	2.57	18.69	15.15	617.21	Yes	
MW-12	01/04/12	632.36	633.91	617.10	608.10	17.05	2.24	19.29	16.01	616.35	No	
MW-12	04/16/12	632.36	633.91	617.10	608.10	17.61	1.34	18.95	16.36	616.00	No	
MW-12	06/26/12	632.36	633.91	617.10	608.10	15.35	3.07	18.42	14.49	617.87	Yes	
MW-12	07/12/12	632.36	633.91	617.10	608.10	15.95	2.64	18.59	15.00	617.36	Yes	Spill Buddy Before Reading
MW-12	07/12/12	632.36	633.91	617.10	608.10	16.62	0.36	16.98	15.15	617.21	Yes	Spill Buddy After Reading
MW-12	07/26/12	632.36	633.91	617.10	608.10	16.28	2.52	18.80	15.30	617.06	No	Spill Buddy Before Reading
MW-12	07/26/12	632.36	633.91	617.10	608.10	16.69	0.58	17.27	15.27	617.09	No	Spill Buddy After Reading
MW-12	08/09/12	632.36	633.91	617.10	608.10	16.67	1.72	18.39	15.51	616.85	No	Spill Buddy Before Reading
MW-12	08/09/12	632.36	633.91	617.10	608.10	17.00	0.40	17.40	15.54	616.82	No	Spill Buddy After Reading
MW-12	09/29/12	632.36	633.91	617.10	608.10	17.40	1.09	18.49	16.10	616.26	No	Spill Buddy Before Reading
MW-12	09/29/12	632.36	633.91	617.10	608.10	17.65	0.27	17.92	16.16	616.20	No	Spill Buddy After Reading
MW-12	09/30/12	632.36	633.91	617.10	608.10	17.38	0.98	18.36	16.05	616.31	No	
MW-12	11/21/12	632.36	633.91	617.10	608.10	17.78	0.82	18.60	16.42	615.94	No	
MW-12	12/17/12	632.36	633.91	617.10	608.10	17.96	0.67	18.63	16.56	615.80	No	
MW-12	05/05/13	632.36	633.91	617.10	608.10	18.23	0.59	18.82	16.81	615.55	No	
MW-12	10/03/13	632.36	633.91	617.10	608.10	18.02	0.74	18.76	16.64	615.72	No	
MW-13	03/23/88	634.40	636.48	618.80	609.80	NP	0.00	19.86	17.78	616.62	No	
MW-13	09/08/88	634.40	636.48	618.80	609.80	NP	0.00	20.07	17.99	616.41	No	
MW-13	09/20/88	634.40	636.48	618.80	609.80	NP	0.00	20.30	18.22	616.18	No	
MW-13	04/27/89	634.40	636.48	618.80	609.80	NP	0.00	20.19	18.11	616.29	No	
MW-13	05/18/89	634.40	636.48	618.80	609.80	NP	0.00	19.82	17.74	616.66	No	
MW-13	06/30/89	634.40	636.48	618.80	609.80	NP	0.00	18.57	16.49	617.91	No	
MW-13	07/12/89	634.40	636.48	618.80	609.80	NP	0.00	19.74	17.66	616.74	No	
MW-13	07/26/89	634.40	636.48	618.80	609.80	NP	0.00	19.67	17.59	616.81	No	
MW-13	07/27/89	634.40	636.48	618.80	609.80	NP	0.00	19.77	17.69	616.71	No	
MW-13	09/03/89	634.40	636.48	618.80	609.80	NP	0.00	19.93	17.85	616.55	No	
MW-13	11/16/89	634.40	636.48	618.80	609.80	NP	0.00	20.05	17.97	616.43	No	
MW-13	11/28/89	634.40	636.48	618.80	609.80	NP	0.00	20.27	18.19	616.21	No	
MW-13	06/01/90	634.40	636.48	618.80	609.80	NP	0.00	20.00	17.92	616.48	No	
MW-13	06/19/90	634.40	636.48	618.80	609.80	NP	0.00	19.95	17.87	616.53	No	
MW-13	06/27/90	634.40	636.48	618.80	609.80	NP	0.00	21.11	19.03	615.37	No	
MW-13	07/05/90	634.40	636.48	618.80	609.80	NP	0.00	20.38	18.30	616.10	No	
MW-13	07/13/90	634.40	636.48	618.80	609.80	NP	0.00	20.33	18.25	616.15	No	
MW-13	07/17/90	634.40	636.48	618.80	609.80	NP	0.00	20.75	18.67	615.73	No	
MW-13	07/25/90	634.40	636.48	618.80	609.80	NP	0.00	20.28	18.20	616.20	No	
MW-13	08/09/90	634.40	636.48	618.80	609.80	NP	0.00	20.13	18.05	616.35	No	

Table 3
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-13	08/14/90	634.40	636.48	618.80	609.80	NP	0.00	20.15	18.07	616.33	No	
MW-13	08/27/90	634.40	636.48	618.80	609.80	NP	0.00	19.90	17.82	616.58	No	
MW-13	09/06/90	634.40	636.48	618.80	609.80	NP	0.00	19.69	17.61	616.79	No	
MW-13	01/04/91	634.40	636.48	618.80	609.80	NP	0.00	19.45	17.37	617.03	No	
MW-13	01/30/91	634.40	636.48	618.80	609.80	NP	0.00	19.58	17.50	616.90	No	
MW-13	04/24/91	634.40	636.48	618.80	609.80	NP	0.00	20.11	18.03	616.37	No	
MW-13	07/09/91	634.40	636.48	618.80	609.80	NP	0.00	18.41	16.33	618.07	No	
MW-13	10/08/91	634.40	636.48	618.80	609.80	NP	0.00	17.07	14.99	619.41	Yes	
MW-13	01/07/92	634.40	636.48	618.80	609.80	NP	0.00	17.20	15.12	619.28	Yes	
MW-13	10/14/92	634.40	636.48	618.80	609.80	NP	0.00	16.88	14.80	619.60	Yes	
MW-13	01/29/94	634.40	636.48	618.80	609.80	NP	0.00	18.08	16.00	618.40	No	
MW-13	04/27/94	634.40	636.48	618.80	609.80	NP	0.00	18.19	16.11	618.29	No	
MW-13	07/21/94	634.40	636.48	618.80	609.80	NP	0.00	17.99	15.91	618.49	No	
MW-13	10/25/94	634.40	636.48	618.80	609.80	NP	0.00	17.33	15.25	619.15	Yes	
MW-13	10/27/94	634.40	636.48	618.80	609.80	NP	0.00	16.82	14.74	619.66	Yes	
MW-13	02/01/95	634.40	636.48	618.80	609.80	NP	0.00	18.51	16.43	617.97	No	
MW-13	04/04/95	634.40	636.48	618.80	609.80	NP	0.00	19.34	17.26	617.14	No	
MW-13	07/12/95	634.40	636.48	618.80	609.80	NP	0.00	18.21	16.13	618.27	No	
MW-13	11/13/95	634.40	636.48	618.80	609.80	NP	0.00	17.22	15.14	619.26	Yes	
MW-13	03/13/96	634.40	636.48	618.80	609.80	NP	0.00	18.68	16.60	617.80	No	
MW-13	10/08/96	634.40	636.48	618.80	609.80	NP	0.00	16.41	14.33	620.07	Yes	
MW-13	04/29/97	634.40	636.48	618.80	609.80	NP	0.00	15.85	13.77	620.63	Yes	
MW-13	11/03/98	634.40	636.48	618.80	609.80	NP	0.00	19.03	16.95	617.45	No	
MW-13	03/02/99	634.40	636.48	618.80	609.80	NP	0.00	19.02	16.94	617.46	No	
MW-13	04/26/00	634.40	636.48	618.80	609.80	NP	0.00	18.36	16.28	618.12	No	
MW-13	08/18/00	634.40	636.48	618.80	609.80	NP	0.00	18.35	16.27	618.13	No	
MW-13	11/05/02	634.40	636.48	618.80	609.80	NP	0.00	18.44	16.36	618.04	No	
MW-13	08/18/03						Abandoned					
MW-14	09/08/88	634.90	636.47	617.90	607.90	20.75	4.35	25.10	20.16	614.74	No	
MW-14	09/20/88	634.90	636.47	617.90	607.90	20.67	6.23	26.90	20.51	614.39	No	
MW-14	04/27/89	634.90	636.47	617.90	607.90	20.68	6.75	27.43	20.63	614.27	No	
MW-14	05/18/89	634.90	636.47	617.90	607.90	20.21	5.14	25.35	19.80	615.10	No	
MW-14	06/30/89	634.90	636.47	617.90	607.90	19.5	5.28	24.78	19.12	615.78	No	
MW-14	07/12/89	634.90	636.47	617.90	607.90	19.93	5.30	25.23	19.56	615.34	No	
MW-14	07/26/89	634.90	636.47	617.90	607.90	19.9	4.78	24.68	19.41	615.49	No	
MW-14	07/27/89	634.90	636.47	617.90	607.90	20.25	7.58	27.83	20.39	614.51	No	
MW-14	09/03/89	634.90	636.47	617.90	607.90	20.65	7.03	27.68	20.67	614.23	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-14	11/16/89	634.90	636.47	617.90	607.90	20.59	6.79	27.38	20.55	614.35	No	
MW-14	11/29/89	634.90	636.47	617.90	607.90	20.4	4.90	25.30	19.94	614.96	No	
MW-14	12/01/89	634.90	636.47	617.90	607.90	20.6	4.24	24.84	19.99	614.91	No	
MW-14	12/02/89	634.90	636.47	617.90	607.90	20.67	3.85	24.52	19.97	614.93	No	
MW-14	05/04/90	634.90	636.47	617.90	607.90	21.17	5.25	26.42	20.79	614.11	No	
MW-14	06/01/90	634.90	636.47	617.90	607.90	20.9	5.00	25.90	20.46	614.44	No	
MW-14	06/19/90	634.90	636.47	617.90	607.90	20.78	4.42	25.20	20.21	614.69	No	
MW-14	06/27/90	634.90	636.47	617.90	607.90	20.88	5.53	26.41	20.56	614.34	No	
MW-14	07/05/90	634.90	636.47	617.90	607.90	21.17	4.99	26.16	20.73	614.17	No	
MW-14	07/13/90	634.90	636.47	617.90	607.90	20.88	5.62	26.50	20.58	614.32	No	
MW-14	07/17/90	634.90	636.47	617.90	607.90	20.75	5.90	26.65	20.51	614.39	No	
MW-14	07/25/90	634.90	636.47	617.90	607.90	20.87	6.91	27.78	20.86	614.04	No	
MW-14	08/09/90	634.90	636.47	617.90	607.90	20.83	6.27	27.10	20.68	614.22	No	
MW-14	08/27/90	634.90	636.47	617.90	607.90	20.82	5.83	26.65	20.57	614.33	No	
MW-14	09/06/90	634.90	636.47	617.90	607.90	20.68	4.47	25.15	20.12	614.78	No	
MW-14	01/04/91	634.90	636.47	617.90	607.90	20.11	4.76	24.87	19.62	615.28	No	
MW-14	01/30/91	634.90	636.47	617.90	607.90	20.25	5.52	25.77	19.93	614.97	No	
MW-14	04/24/91	634.90	636.47	617.90	607.90	20.78	3.27	24.05	19.95	614.95	No	
MW-14	06/06/91	634.90	636.47	617.90	607.90	19.82	1.70	21.52	18.63	616.27	No	
MW-14	07/09/91	634.90	636.47	617.90	607.90	18.91	1.37	20.28	17.65	617.25	No	
MW-14	08/06/91	634.90	636.47	617.90	607.90	18.02	1.22	19.24	16.73	618.17	Yes	
MW-14	09/04/91	634.90	636.47	617.90	607.90	18.00	1.34	19.34	16.73	618.17	Yes	
MW-14	10/08/91	634.90	636.47	617.90	607.90	17.12	1.30	18.42	15.84	619.06	Yes	
MW-14	11/08/91	634.90	636.47	617.90	607.90	17.79	1.35	19.14	16.52	618.38	Yes	
MW-14	12/03/91	634.90	636.47	617.90	607.90	16.05	1.25	17.30	14.76	620.14	Yes	
MW-14	01/07/92	634.90	636.47	617.90	607.90	17.57	1.27	18.84	16.29	618.61	Yes	
MW-14	02/04/92	634.90	636.47	617.90	607.90	18.30	1.20	19.50	17.00	617.90	No	
MW-14	03/03/92	634.90	636.47	617.90	607.90	18.70	1.38	20.08	17.44	617.46	No	
MW-14	09/24/92	634.90	636.47	617.90	607.90	16.89	1.20	18.09	15.59	619.31	Yes	
MW-14	10/14/92	634.90	636.47	617.90	607.90	17.83	1.31	19.14	16.56	618.34	Yes	
MW-14	06/25/93	634.90	636.47	617.90	607.90	14.65	1.82	16.47	13.49	621.41	Yes	
MW-14	10/28/93	634.90	636.47	617.90	607.90	18.20	1.82	20.02	17.04	617.86	No	
MW-14	01/29/94	634.90	636.47	617.90	607.90	18.89	1.80	20.69	17.73	617.17	No	
MW-14	04/27/94	634.90	636.47	617.90	607.90	18.60	5.07	23.67	18.18	616.72	No	
MW-14	07/21/94	634.90	636.47	617.90	607.90	17.20	2.18	19.38	16.12	618.78	Yes	
MW-14	10/25/94	634.90	636.47	617.90	607.90	17.91	2.10	20.01	16.81	618.09	Yes	
MW-14	11/02/94	634.90	636.47	617.90	607.90	15.58	3.02	18.60	14.69	620.21	Yes	
MW-14	02/01/95	634.90	636.47	617.90	607.90	19.79	1.71	21.50	18.61	616.29	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-14	04/04/95	634.90	636.47	617.90	607.90	19.98	2.52	22.50	18.98	615.92	No	
MW-14	07/12/95	634.90	636.47	617.90	607.90	19.01	1.23	20.24	17.72	617.18	No	
MW-14	11/14/95	634.90	636.47	617.90	607.90	17.59	0.66	18.25	16.17	618.73	Yes	
MW-14	03/13/96	634.90	636.47	617.90	607.90	19.70	1.70	21.40	18.51	616.39	No	
MW-14	10/08/96	634.90	636.47	617.90	607.90	16.50	1.43	17.93	15.25	619.65	Yes	
MW-14	04/29/97	634.90	636.47	617.90	607.90	15.45	1.40	16.85	14.20	620.70	Yes	
MW-14	06/10/97	634.90	636.47	617.90	607.90	17.18	0.27	17.45	15.67	619.23	Yes	FP bailed 5/22/97
MW-14	11/03/98	634.90	636.47	617.90	607.90	19.60	3.34	22.94	18.78	616.12	No	
MW-14	03/02/99	634.90	636.47	617.90	607.90	19.74	3.44	23.18	18.95	615.95	No	
MW-14	10/07/99	634.90	636.47	617.90	607.90	16.49	0.16	16.65	14.96	619.94	Yes	
MW-14	11/09/99	634.90	636.47	617.90	607.90	16.30	0.41	16.71	14.82	620.08	Yes	bailed <0.1 gal. FP
MW-14	12/21/99	634.90	636.47	617.90	607.90	18.25	0.05	18.30	16.69	618.21	Yes	
MW-14	01/27/00	634.90	636.47	617.90	607.90	19.10	0.01	19.11	17.53	617.37	No	
MW-14	02/24/00	634.90	636.47	617.90	607.90	17.70	2.31	20.01	16.65	618.25	Yes	bailed <0.1 gal. FP
MW-14	03/31/00	634.90	636.47	617.90	607.90	19.17	1.53	20.70	17.95	616.95	No	bailed 0.25 gal. FP
MW-14	04/20/00	634.90	636.47	617.90	607.90	19.00	1.38	20.38	17.74	617.16	No	bailed 0.25 gal. FP
MW-14	04/26/00	634.90	636.47	617.90	607.90	18.93	1.10	20.03	17.61	617.29	No	bailed 1 gal. FP
MW-14	05/31/00	634.90	636.47	617.90	607.90	19.07	0.13	19.20	17.53	617.37	No	bailed 0.125 gal. FP
MW-14	06/29/00	634.90	636.47	617.90	607.90	19.03	0.11	19.14	17.48	617.42	No	bailed 0.1 gal. FP
MW-14	07/26/00	634.90	636.47	617.90	607.90	19.19	0.05	19.24	17.63	617.27	No	
MW-14	08/18/00	634.90	636.47	617.90	607.90	19.56	0.07	19.63	18.01	616.89	No	bailed 0.125 gal. FP
MW-14	09/27/00	634.90	636.47	617.90	607.90	19.76	1.00	20.76	18.42	616.48	No	bailed 0.125 gal. FP
MW-14	10/11/00	634.90	636.47	617.90	607.90	19.97	1.16	21.13	18.66	616.24	No	bailed 0.75 gal. FP
MW-14	11/17/00	634.90	636.47	617.90	607.90	19.53	2.33	21.86	18.49	616.41	No	bailed 1.75 gal. FP
MW-14	12/12/00	634.90	636.47	617.90	607.90	19.50	0.97	20.47	18.15	616.75	No	bailed 1.25 gal. FP
MW-14	01/18/01	634.90	636.47	617.90	607.90	19.76	0.99	20.75	18.41	616.49	No	bailed 2 gal. FP
MW-14	04/24/01	634.90	636.47	617.90	607.90	19.58	2.32	21.90	18.53	616.37	No	product abated using vactruck
MW-14	05/23/01	634.90	636.47	617.90	607.90	18.66	0.92	19.58	17.30	617.60	No	no product bailed
MW-14	06/19/01	634.90	636.47	617.90	607.90	18.49	0.88	19.37	17.12	617.78	No	
MW-14	07/26/01	634.90	636.47	617.90	607.90	19.13	0.90	20.03	17.76	617.14	No	
MW-14	08/31/01	634.90	636.47	617.90	607.90	19.51	0.89	20.40	18.14	616.76	No	
MW-14	09/26/01	634.90	636.47	617.90	607.90	19.71	1.08	20.79	18.38	616.52	No	
MW-14	10/24/01	634.90	636.47	617.90	607.90	19.69	1.46	21.15	18.45	616.45	No	
MW-14	12/20/01	634.90	636.47	617.90	607.90	19.90	2.74	22.64	18.95	615.95	No	
MW-14	01/22/02	634.90	636.47	617.90	607.90	20.39	2.84	23.23	19.46	615.44	No	
MW-14	02/26/02	634.90	636.47	617.90	607.90	20.27	3.74	24.01	19.54	615.36	No	
MW-14	03/20/02	634.90	636.47	617.90	607.90	20.50	3.52	24.02	19.73	615.17	No	
MW-14	04/24/02	634.90	636.47	617.90	607.90	19.78	2.88	22.66	18.86	616.04	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-14	05/15/02	634.90	636.47	617.90	607.90	19.48	2.42	21.90	18.46	616.44	No	
MW-14	06/27/02	634.90	636.47	617.90	607.90	19.63	1.64	21.27	18.43	616.47	No	
MW-14	07/25/02	634.90	636.47	617.90	607.90	19.69	0.76	20.45	18.29	616.61	No	
MW-14	08/20/02	634.90	636.47	617.90	607.90	19.43	0.85	20.28	18.05	616.85	No	
MW-14	09/30/02	634.90	636.47	617.90	607.90	19.00	0.68	19.68	17.58	617.32	No	
MW-14	11/05/02	634.90	636.47	617.90	607.90	18.71	0.67	19.38	17.29	617.61	No	
MW-14	12/23/02	634.90	636.47	617.90	607.90	19.72	0.68	20.40	18.30	616.60	No	
MW-14	01/28/03	634.90	636.47	617.90	607.90	20.40	0.53	20.93	18.95	615.95	No	
MW-14	02/19/03	634.90	636.47	617.90	607.90	20.38	2.17	22.55	19.30	615.60	No	
MW-14	04/17/03	634.90	636.47	617.90	607.90	20.63	3.57	24.20	19.87	615.03	No	
MW-14	05/15/03	634.90	636.47	617.90	607.90	20.69	3.17	23.86	19.84	615.06	No	
MW-14	06/10/03	634.90	636.47	617.90	607.90	20.51	2.03	22.54	19.40	615.50	No	
MW-14	10/23/03	634.90	636.47	617.90	607.90	20.85	2.43	23.28	19.83	615.07	No	
MW-14	12/03/03	634.90	636.47	617.90	607.90	20.92	2.88	23.80	20.00	614.90	No	
MW-14	04/19/04	635.05	636.38	617.90	607.90	21.35	3.73	25.08	20.86	614.19	No	
MW-14	07/28/04	635.05	636.38	617.90	607.90	20.63	0.94	21.57	19.51	615.54	No	
MW-14	11/15/04	635.05	636.38	617.90	607.90	19.63	0.30	19.93	18.37	616.68	No	
MW-14	04/18/05	635.05	636.38	617.90	607.90	20.37	1.05	21.42	19.28	615.77	No	
MW-14	09/09/05	635.05	636.38	617.90	607.90	19.83	0.91	20.74	18.71	616.34	No	
MW-14	10/11/05	635.05	636.38	617.90	607.90	19.51	0.88	20.39	18.38	616.67	No	
MW-14	05/23/06	635.05	636.38	617.90	607.90	18.54	1.28	19.82	17.50	617.55	No	
MW-14	10/16/06	635.05	636.38	617.90	607.90	19.88	2.33	22.21	19.08	615.97	No	
MW-14	04/23/07	635.05	636.38	617.90	607.90	20.59	3.39	23.98	20.03	615.02	No	
MW-14	09/25/07	635.05	636.38	617.90	607.90	20.48	3.84	24.32	20.02	615.03	No	
MW-14	05/01/08	635.05	636.38	617.90	607.90	19.63	1.01	20.64	18.53	616.52	No	
MW-14	10/20/08	635.05	636.38	617.90	607.90	18.02	1.05	19.07	16.93	618.12	Yes	
MW-14	04/18/09	635.05	636.38	617.90	607.90	19.11	1.05	20.16	18.02	617.03	No	
MW-14	08/04/09	635.05	636.38	617.90	607.90	19.73	1.05	20.78	18.64	616.41	No	
MW-14	08/05/09	635.05	636.38	617.90	607.90	20.48	0.20	20.68	19.20	615.85	No	
MW-14	08/13/09	635.05	636.38	617.90	607.90	19.98	0.13	20.11	18.68	616.37	No	
MW-14	08/18/09	635.05	636.38	617.90	607.90	19.91	0.10	20.01	18.60	616.45	No	
MW-14	08/26/09	635.05	636.38	617.90	607.90	19.51	0.09	19.60	18.20	616.85	No	
MW-14	09/03/09	635.05	636.38	617.90	607.90	19.30	0.10	19.40	17.99	617.06	No	
MW-14	09/08/09	635.05	636.38	617.90	607.90	19.38	0.09	19.47	18.07	616.98	No	
MW-14	09/14/09	635.05	636.38	617.90	607.90	19.44	0.08	19.52	18.13	616.92	No	
MW-14	10/11/09	635.05	636.38	617.90	607.90	20.06	0.15	20.21	18.76	616.29	No	
MW-14	10/15/09	635.05	636.38	617.90	607.90	20.06	0.15	20.21	18.76	616.29	No	
MW-14	04/28/10	635.05	636.38	617.90	607.90	19.92	1.13	21.05	18.85	616.20	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-14	10/25/10	635.05	636.38	617.90	607.90	17.67	1.05	18.72	16.58	618.47	Yes	
MW-14	04/25/11	635.05	636.38	617.90	607.90	18.89	1.07	19.96	17.80	617.25	No	
MW-14	08/04/11	635.05	636.38	617.90	607.90	17.19	1.03	18.22	16.09	618.96	Yes	
MW-14	09/14/11	635.05	636.38	617.90	607.90	18.45	0.14	18.59	17.15	617.90	No	
MW-14	09/23/11	635.05	636.38	617.90	607.90	18.56	0.15	18.71	17.26	617.79	No	
MW-14	09/29/11	635.05	636.38	617.90	607.90	18.50	0.22	18.72	17.22	617.83	No	
MW-14	10/07/11	635.05	636.38	617.90	607.90	18.58	0.14	18.72	17.28	617.77	No	
MW-14	10/10/11	635.05	636.38	617.90	607.90	18.79	0.10	18.89	17.48	617.57	No	
MW-14	10/21/11	635.05	636.38	617.90	607.90	18.99	0.14	19.13	17.69	617.36	No	
MW-14	10/27/11	635.05	636.38	617.90	607.90	19.13	0.16	19.29	17.84	617.21	No	
MW-14	11/04/11	635.05	636.38	617.90	607.90	19.34	0.15	19.49	18.04	617.01	No	
MW-14	11/09/11	635.05	636.38	617.90	607.90	19.23	0.15	19.38	17.93	617.12	No	
MW-14	11/18/11	635.05	636.38	617.90	607.90	19.40	0.15	19.55	18.10	616.95	No	
MW-14	11/22/11	635.05	636.38	617.90	607.90	19.52	0.17	19.69	18.23	616.82	No	
MW-14	12/01/11	635.05	636.38	617.90	607.90	19.91	0.17	20.08	18.62	616.43	No	
MW-14	01/04/12	635.05	636.38	617.90	607.90	20.04	1.08	21.12	18.95	616.10	No	
MW-14	02/16/12	635.05	636.38	617.90	607.90	20.35	2.70	23.05	19.63	615.42	No	
MW-14	03/13/12	635.05	636.38	617.90	607.90	20.32	3.42	23.74	19.76	615.29	No	
MW-14	04/03/12	635.05	636.38	617.90	607.90	20.41	4.01	24.42	19.99	615.06	No	Spill Buddy Before Reading
MW-14	04/03/12	635.05	636.38	617.90	607.90	21.90	1.40	23.30	20.89	614.16	No	Spill Buddy After Reading
MW-14	04/16/12	635.05	636.38	617.90	607.90	20.58	3.38	23.96	20.01	615.04	No	
MW-14	06/18/12	635.05	636.38	617.90	607.90	19.06	0.86	19.92	17.92	617.13	No	
MW-14	06/26/12	635.05	636.38	617.90	607.90	18.31	0.96	19.27	17.20	617.85	No	
MW-14	07/12/12	635.05	636.38	617.90	607.90	18.49	0.97	19.46	17.38	617.67	No	
MW-14	07/24/12	635.05	636.38	617.90	607.90	18.84	0.99	19.83	17.73	617.32	No	
MW-14	08/09/12	635.05	636.38	617.90	607.90	18.99	1.01	20.00	17.89	617.16	No	Spill Buddy Before Reading
MW-14	08/09/12	635.05	636.38	617.90	607.90	ND	0.00	19.30	17.97	617.08	No	Spill Buddy After Reading
MW-14	08/17/12	635.05	636.38	617.90	607.90	19.33	0.09	19.42	18.02	617.03	No	
MW-14	09/17/12	635.05	636.38	617.90	607.90	19.78	0.06	19.84	18.46	616.59	No	
MW-14	09/20/12	635.05	636.38	617.90	607.90	19.85	0.07	19.92	18.54	616.51	No	
MW-14	09/30/12	635.05	636.38	617.90	607.90	19.97	0.06	20.03	18.65	616.40	No	
MW-14	10/22/12	635.05	636.38	617.90	607.90	20.16	1.48	21.64	19.16	615.89	No	
MW-14	11/21/12	635.05	636.38	617.90	607.90	20.05	2.83	22.88	19.36	615.69	No	
MW-14	12/17/12	635.05	636.38	617.90	607.90	20.21	3.51	23.72	19.67	615.38	No	
MW-14	03/25/13	635.05	636.38	617.90	607.90	20.90	4.24	25.14	20.53	614.52	No	
MW-14	05/05/13	635.05	636.38	617.90	607.90	20.75	3.97	24.72	20.32	614.73	No	
MW-14	10/03/13	635.05	636.38	617.90	607.90	20.32	2.21	22.53	19.49	615.56	No	
MW-14	05/22/14	635.05	636.38	617.90	607.90	18.96	0.37	19.33	17.71	617.34	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-14	10/31/14	635.05	636.38	617.90	607.90	18.63	0.34	18.97	17.38	617.67	No	
MW-14	05/06/15	635.05	636.38	617.90	607.90	20.06	2.41	22.47	19.27	615.78	No	
MW-14	07/10/15	635.05	636.38	617.90	607.90	19.27	0.68	19.95	18.09	616.96	No	
MW-14	10/05/15	635.05	636.38	617.90	607.90	18.43	0.03	18.46	17.11	617.94	Yes	
MW-14	05/23/16	635.05	636.38	617.90	607.90	16.03	0.37	16.40	14.78	620.27	Yes	
MW-14	10/03/16	635.05	636.38	617.90	607.90	17.54	0.01	17.55	16.21	618.84	Yes	
MW-14	06/14/17	635.05	636.38	617.90	607.90	NP	0.00	16.22	14.89	620.16	Yes	
MW-14	06/21/17	635.05	636.38	617.90	607.90	NP	0.00	16.73	15.40	619.65	Yes	
MW-14	06/22/17	635.05	636.38	617.90	607.90	NP	0.00	16.55	15.22	619.83	Yes	
MW-14	06/23/17	635.05	636.38	617.90	607.90	16.65	0.01	16.66	15.32	619.73	Yes	
MW-14	05/23/18	635.05	636.38	617.90	607.90	NP	0.00	19.44	18.11	616.94	No	
MW-14	05/02/19	635.05	636.38	617.90	607.90	NP	0.00	17.66	16.33	618.72	Yes	
MW-14	05/26/20	635.05	636.38	617.90	607.90	NP	0.00	16.35	15.02	620.03	Yes	
MW-14	05/24/21	635.05	636.38	617.90	607.90	18.01	1.06	19.07	16.92	618.13	Yes	
MW-15S	09/08/88	630.10	632.73	615.10	605.10	NP	0.00	19.92	17.29	612.81	No	
MW-15S	09/20/88	630.10	632.73	615.10	605.10	NP	0.00	20.25	17.62	612.48	No	
MW-15S	04/27/89	630.10	632.73	615.10	605.10	NP	0.00	19.84	17.21	612.89	No	
MW-15S	05/18/89	630.10	632.73	615.10	605.10	NP	0.00	19.61	16.98	613.12	No	
MW-15S	06/30/89	630.10	632.73	615.10	605.10	NP	0.00	19.34	16.71	613.39	No	
MW-15S	07/12/89	630.10	632.73	615.10	605.10	NP	0.00	19.45	16.82	613.28	No	
MW-15S	07/26/89	630.10	632.73	615.10	605.10	NP	0.00	19.52	16.89	613.21	No	
MW-15S	07/27/89	630.10	632.73	615.10	605.10	NP	0.00	19.66	17.03	613.07	No	
MW-15S	09/03/89	630.10	632.73	615.10	605.10	NP	0.00	19.76	17.13	612.97	No	
MW-15S	11/16/89	630.10	632.73	615.10	605.10	NP	0.00	19.92	17.29	612.81	No	
MW-15S	11/28/89	630.10	632.73	615.10	605.10	NP	0.00	20.09	17.46	612.64	No	
MW-15S	06/01/90	630.10	632.73	615.10	605.10	NP	0.00	20.09	17.46	612.64	No	
MW-15S	06/19/90	630.10	632.73	615.10	605.10	NP	0.00	19.91	17.28	612.82	No	
MW-15S	06/27/90	630.10	632.73	615.10	605.10	NP	0.00	19.94	17.31	612.79	No	
MW-15S	07/05/90	630.10	632.73	615.10	605.10	NP	0.00	20.05	17.42	612.68	No	
MW-15S	07/13/90	630.10	632.73	615.10	605.10	NP	0.00	20.14	17.51	612.59	No	
MW-15S	07/17/90	630.10	632.73	615.10	605.10	NP	0.00	19.98	17.35	612.75	No	
MW-15S	07/25/90	630.10	632.73	615.10	605.10	NP	0.00	20.09	17.46	612.64	No	
MW-15S	08/09/90	630.10	632.73	615.10	605.10	NP	0.00	20.50	17.87	612.23	No	
MW-15S	08/14/90	630.10	632.73	615.10	605.10	NP	0.00	20.18	17.55	612.55	No	
MW-15S	01/04/91	630.10	632.73	615.10	605.10	NP	0.00	19.57	16.94	613.16	No	
MW-15S	01/30/91	630.10	632.73	615.10	605.10	NP	0.00	19.80	17.17	612.93	No	
MW-15S	04/24/91	630.10	632.73	615.10	605.10	NP	0.00	19.96	17.33	612.77	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-15S	07/09/91	630.10	632.73	615.10	605.10	NP	0.00	18.13	15.50	614.60	No	
MW-15S	10/08/91	630.10	632.73	615.10	605.10	NP	0.00	17.10	14.47	615.63	Yes	
MW-15S	01/07/92	630.10	632.73	615.10	605.10	NP	0.00	17.03	14.40	615.70	Yes	
MW-15S	10/14/92	630.10	632.73	615.10	605.10	NP	0.00	16.89	14.26	615.84	Yes	
MW-15S	06/25/93	630.10	632.73	615.10	605.10	NP	0.00	15.74	13.11	616.99	Yes	
MW-15S	10/28/93	630.10	632.73	615.10	605.10	NP	0.00	17.00	14.37	615.73	Yes	
MW-15S	01/29/94	630.10	632.73	615.10	605.10	NP	0.00	17.34	14.71	615.39	Yes	
MW-15S	04/27/94	630.10	632.73	615.10	605.10	NP	0.00	17.70	15.07	615.03	No	
MW-15S	06/14/94	630.10	632.73	615.10	605.10	NP	0.00	17.01	14.38	615.72	Yes	
MW-15S	07/21/94	630.10	632.73	615.10	605.10	NP	0.00	16.92	14.29	615.81	Yes	
MW-15S	08/30/94	630.10	632.73	615.10	605.10	NP	0.00	17.65	15.02	615.08	No	
MW-15S	10/25/94	630.10	632.73	615.10	605.10	NP	0.00	17.16	14.53	615.57	Yes	
MW-15S	10/27/94	630.10	632.73	615.10	605.10	NP	0.00	16.98	14.35	615.75	Yes	
MW-15S	02/01/95	630.10	632.73	615.10	605.10	NP	0.00	18.42	15.79	614.31	No	
MW-15S	04/04/95	630.10	632.73	615.10	605.10	NP	0.00	18.75	16.12	613.98	No	
MW-15S	07/12/95	630.10	632.73	615.10	605.10	NP	0.00	18.09	15.46	614.64	No	
MW-15S	11/13/95	630.10	632.73	615.10	605.10	NP	0.00	17.19	14.56	615.54	Yes	
MW-15S	03/13/96	630.10	632.73	615.10	605.10	NP	0.00	18.61	15.98	614.12	No	
MW-15S	04/22/96	630.10	632.73	615.10	605.10	NP	0.00	17.39	14.76	615.34	Yes	
MW-15S	10/08/96	630.10	632.73	615.10	605.10	NP	0.00	16.43	13.80	616.30	Yes	
MW-15S	04/29/97	630.10	632.73	615.10	605.10	NP	0.00	15.85	13.22	616.88	Yes	
MW-15S	11/03/98	630.10	632.73	615.10	605.10	NP	0.00	18.74	16.11	613.99	No	
MW-15S	03/02/99	630.10	632.73	615.10	605.10	NP	0.00	18.93	16.30	613.80	No	
MW-15S	04/26/00	630.10	632.73	615.10	605.10	NP	0.00	18.14	15.51	614.59	No	
MW-15S	10/10/00	630.10	632.73	615.10	605.10	NP	0.00	18.60	15.97	614.13	No	
MW-15S	10/23/01	630.10	632.73	615.10	605.10	NP	0.00	18.57	15.94	614.16	No	
MW-15S	04/23/02	630.10	632.73	615.10	605.10	NP	0.00	19.06	16.43	613.67	No	
MW-15S	11/05/02	630.10	632.73	615.10	605.10	NP	0.00	17.86	15.23	614.87	No	
MW-15S	04/17/03	630.10	632.73	615.10	605.10	NP	0.00	19.72	17.09	613.01	No	
MW-15S	10/20/03	630.10	632.73	615.10	605.10	NP	0.00	19.54	16.91	613.19	No	
MW-15S	04/19/04	632.01	632.44	615.10	605.10	NP	0.00	20.02	19.59	612.42	No	
MW-15S	11/16/04	632.01	632.44	615.10	605.10	NP	0.00	18.33	17.90	614.11	No	
MW-15S	04/18/05	632.01	632.44	615.10	605.10	NP	0.00	18.70	18.27	613.74	No	
MW-15S	10/11/05	632.01	632.44	615.10	605.10	NP	0.00	17.94	17.51	614.50	No	
MW-15S	05/23/06	632.01	632.44	615.10	605.10	NP	0.00	17.43	17.00	615.01	No	
MW-15S	10/16/06	632.01	632.44	615.10	605.10	NP	0.00	18.37	17.94	614.07	No	
MW-15S	04/23/07	632.01	632.44	615.10	605.10	NP	0.00	19.03	18.60	613.41	No	
MW-15S	09/25/07	632.01	634.52	615.10	605.10	NP	0.00	20.96	18.45	613.56	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-15S	05/01/08	632.01	634.52	615.10	605.10	NP	0.00	19.59	17.08	614.93	No	
MW-15S	10/20/08	632.01	634.52	615.10	605.10	NP	0.00	18.41	15.90	616.11	Yes	
MW-15S	04/18/09	632.01	634.52	615.10	605.10	NP	0.00	19.40	16.89	615.12	Yes	
MW-15S	10/11/09	632.01	634.52	615.10	605.10	NP	0.00	19.86	17.35	614.66	No	
MW-15S	04/28/10	632.01	634.52	615.10	605.10	NP	0.00	20.31	17.80	614.21	No	
MW-15S	10/25/10	632.01	634.52	615.10	605.10	NP	0.00	18.58	16.07	615.94	Yes	
MW-15S	04/25/11	632.01	634.52	615.10	605.10	NP	0.00	19.43	16.92	615.09	No	
MW-15S	10/10/11	632.01	634.52	615.10	605.10	NP	0.00	18.85	16.34	615.67	Yes	
MW-15S	01/04/12	632.01	634.52	615.10	605.10	NP	0.00	20.09	17.58	614.43	No	
MW-15S	04/16/12	632.01	634.52	615.10	605.10	NP	0.00	20.78	18.27	613.74	No	
MW-15S	06/26/12	632.01	634.52	615.10	605.10	NP	0.00	18.46	15.95	616.06	Yes	
MW-15S	09/30/12	632.01	634.52	615.10	605.10	NP	0.00	19.87	17.36	614.65	No	
MW-15S	12/17/12	632.01	634.52	615.10	605.10	NP	0.00	20.56	18.05	613.96	No	
MW-15S	03/25/13	632.01	634.52	615.10	605.10	NP	0.00	21.48	18.97	613.04	No	
MW-15S	05/05/13	632.01	634.52	615.10	605.10	NP	0.00	20.84	18.33	613.68	No	
MW-15S	10/03/13	632.01	634.52	615.10	605.10	NP	0.00	20.31	17.80	614.21	No	
MW-15D	06/14/94	630.00	632.81	577.81	574.81	NP	0.00	17.17	14.36	615.64	Yes	
MW-15D	07/21/94	630.00	632.81	577.81	574.81	NP	0.00	17.13	14.32	615.68	Yes	
MW-15D	08/30/94	630.00	632.81	577.81	574.81	NP	0.00	17.83	15.02	614.98	Yes	
MW-15D	10/25/94	630.00	632.81	577.81	574.81	NP	0.00	17.39	14.58	615.42	Yes	
MW-15D	10/27/94	630.00	632.81	577.81	574.81	NP	0.00	17.22	14.41	615.59	Yes	
MW-15D	02/01/95	630.00	632.81	577.81	574.81	NP	0.00	18.52	15.71	614.29	Yes	
MW-15D	04/04/95	630.00	632.81	577.81	574.81	NP	0.00	18.96	16.15	613.85	Yes	
MW-15D	07/12/95	630.00	632.81	577.81	574.81	NP	0.00	18.33	15.52	614.48	Yes	
MW-15D	11/13/95	630.00	632.81	577.81	574.81	NP	0.00	17.35	14.54	615.46	Yes	
MW-15D	03/13/96	630.00	632.81	577.81	574.81	NP	0.00	18.85	16.04	613.96	Yes	
MW-15D	04/22/96	630.00	632.81	577.81	574.81	NP	0.00	17.46	14.65	615.35	Yes	
MW-15D	10/08/96	630.00	632.81	577.81	574.81	NP	0.00	16.17	13.36	616.64	Yes	
MW-15D	04/29/97	630.00	632.81	577.81	574.81	NP	0.00	15.98	13.17	616.83	Yes	
MW-15D	11/03/98	630.00	632.81	577.81	574.81	NP	0.00	18.92	16.11	613.89	Yes	
MW-15D	03/02/99	630.00	632.81	577.81	574.81	NP	0.00	19.08	16.27	613.73	Yes	
MW-15D	04/26/00	630.00	632.81	577.81	574.81	NP	0.00	18.21	15.40	614.60	Yes	
MW-15D	10/10/00	630.00	632.81	577.81	574.81	NP	0.00	18.79	15.98	614.02	Yes	
MW-15D	10/23/01	630.00	632.81	577.81	574.81	NP	0.00	18.76	15.95	614.05	Yes	
MW-15D	04/23/02	630.00	632.81	577.81	574.81	NP	0.00	19.20	16.39	613.61	Yes	
MW-15D	11/05/02	630.00	632.81	577.81	574.81	NP	0.00	17.99	15.18	614.82	Yes	
MW-15D	04/17/03	630.00	632.81	577.81	574.81	NP	0.00	19.87	17.06	612.94	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-15D	10/20/03	630.00	632.81	577.81	574.81	NP	0.00	19.68	16.87	613.13	Yes	
MW-15D	04/19/04	632.28	632.55	577.81	574.81	NP	0.00	20.13	19.86	612.42	Yes	
MW-15D	11/16/04	632.28	632.55	577.81	574.81	NP	0.00	18.46	18.19	614.09	Yes	
MW-15D	04/18/05	632.28	632.55	577.81	574.81	NP	0.00	18.83	18.56	613.72	Yes	
MW-15D	10/11/05	632.28	632.55	577.81	574.81	NP	0.00	18.09	17.82	614.46	Yes	
MW-15D	05/23/06	632.28	632.55	577.81	574.81	NP	0.00	17.57	17.30	614.98	Yes	
MW-15D	10/16/06	632.28	632.55	577.81	574.81	NP	0.00	18.57	18.30	613.98	Yes	
MW-15D	04/23/07	632.28	632.55	577.81	574.81	NP	0.00	19.23	18.96	613.32	Yes	
MW-15D	09/25/07	632.28	634.55	577.81	574.81	NP	0.00	20.95	18.68	613.60	Yes	
MW-15D	05/01/08	632.28	634.55	577.81	574.81	NP	0.00	19.64	17.37	614.91	Yes	
MW-15D	10/20/08	632.28	634.55	577.81	574.81	NP	0.00	18.49	16.22	616.06	Yes	
MW-15D	04/18/09	632.28	634.55	577.81	574.81	NP	0.00	19.52	17.25	615.03	Yes	
MW-15D	10/11/09	632.28	634.55	577.81	574.81	NP	0.00	19.97	17.70	614.58	Yes	
MW-15D	04/28/10	632.28	634.55	577.81	574.81	NP	0.00	20.37	18.10	614.18	Yes	
MW-15D	10/25/10	632.28	634.55	577.81	574.81	NP	0.00	18.73	16.46	615.82	Yes	
MW-15D	04/25/11	632.28	634.55	577.81	574.81	NP	0.00	19.51	17.24	615.04	Yes	
MW-15D	10/10/11	632.28	634.55	577.81	574.81	NP	0.00	19.02	16.75	615.53	Yes	
MW-15D	01/04/12	632.28	634.55	577.81	574.81	NP	0.00	20.2	17.93	614.35	Yes	
MW-15D	04/16/12	632.28	634.55	577.81	574.81	NP	0.00	20.74	18.47	613.81	Yes	
MW-15D	06/26/12	632.28	634.55	577.81	574.81	NP	0.00	18.48	16.21	616.07	Yes	
MW-15D	09/30/12	632.28	634.55	577.81	574.81	NP	0.00	20.02	17.75	614.53	Yes	
MW-15D	12/17/12	632.28	634.55	577.81	574.81	NP	0.00	20.64	18.37	613.91	Yes	
MW-15D	03/25/13	632.28	634.55	577.81	574.81	NP	0.00	21.58	19.31	612.97	Yes	
MW-15D	05/05/13	632.28	634.55	577.81	574.81	NP	0.00	20.88	18.61	613.67	Yes	
MW-15D	10/03/13	632.28	634.55	577.81	574.81	NP	0.00	20.38	18.11	614.17	Yes	
MW-16	09/08/88	634.30	636.37	619.30	604.30	NP	0.00	22.60	20.53	613.77	No	
MW-16	09/20/88	634.30	636.37	619.30	604.30	NP	0.00	22.76	20.69	613.61	No	
MW-16	04/27/89	634.30	636.37	619.30	604.30	NP	0.00	22.44	20.37	613.93	No	
MW-16	05/18/89	634.30	636.37	619.30	604.30	NP	0.00	22.19	20.12	614.18	No	
MW-16	06/30/89	634.30	636.37	619.30	604.30	NP	0.00	21.91	19.84	614.46	No	
MW-16	07/12/89	634.30	636.37	619.30	604.30	NP	0.00	22.12	20.05	614.25	No	
MW-16	07/26/89	634.30	636.37	619.30	604.30	NP	0.00	22.38	20.31	613.99	No	
MW-16	07/27/89	634.30	636.37	619.30	604.30	NP	0.00	22.45	20.38	613.92	No	
MW-16	09/03/89	634.30	636.37	619.30	604.30	NP	0.00	22.59	20.52	613.78	No	
MW-16	11/16/89	634.30	636.37	619.30	604.30	NP	0.00	22.76	20.69	613.61	No	
MW-16	11/28/89	634.30	636.37	619.30	604.30	NP	0.00	22.81	20.74	613.56	No	
MW-16	06/01/90	634.30	636.37	619.30	604.30	NP	0.00	22.75	20.68	613.62	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-16	06/19/90	634.30	636.37	619.30	604.30	NP	0.00	22.57	20.50	613.80	No	
MW-16	06/27/90	634.30	636.37	619.30	604.30	NP	0.00	22.68	20.61	613.69	No	
MW-16	07/05/90	634.30	636.37	619.30	604.30	NP	0.00	22.83	20.76	613.54	No	
MW-16	07/13/90	634.30	636.37	619.30	604.30	NP	0.00	22.80	20.73	613.57	No	
MW-16	07/17/90	634.30	636.37	619.30	604.30	NP	0.00	22.80	20.73	613.57	No	
MW-16	07/25/90	634.30	636.37	619.30	604.30	NP	0.00	22.93	20.86	613.44	No	
MW-16	08/09/90	634.30	636.37	619.30	604.30	NP	0.00	22.90	20.83	613.47	No	product beads on probe
MW-16	08/14/90	634.30	636.37	619.30	604.30	NP	0.00	22.99	20.92	613.38	No	
MW-16	08/27/90	634.30	636.37	619.30	604.30	NP	0.00	22.68	20.61	613.69	No	
MW-16	09/06/90	634.30	636.37	619.30	604.30	NP	0.00	22.52	20.45	613.85	No	
MW-16	01/04/91	634.30	636.37	619.30	604.30	NP	0.00	22.33	20.26	614.04	No	
MW-16	01/30/91	634.30	636.37	619.30	604.30	NP	0.00	22.57	20.50	613.80	No	
MW-16	04/24/91	634.30	636.37	619.30	604.30	NP	0.00	22.46	20.39	613.91	No	
MW-16	06/06/91	634.30	636.37	619.30	604.30	NP	0.00	21.10	19.03	615.27	No	
MW-16	07/09/91	634.30	636.37	619.30	604.30	20.31	0.01	20.32	18.24	616.06	No	
MW-16	08/06/91	634.30	636.37	619.30	604.30	19.41	1.45	20.86	17.67	616.63	No	
MW-16	09/04/91	634.30	636.37	619.30	604.30	18.30	6.55	24.85	17.71	616.59	No	
MW-16	10/08/91	634.30	636.37	619.30	604.30	17.70	7.15	24.85	17.24	617.06	No	
MW-16	11/08/91	634.30	636.37	619.30	604.30	18.13	6.93	25.06	17.63	616.67	No	
MW-16	12/03/91	634.30	636.37	619.30	604.30	16.25	9.40	25.65	16.30	618.00	No	
MW-16	01/07/92	634.30	636.37	619.30	604.30	17.78	7.96	25.74	17.51	616.79	No	
MW-16	02/04/92	634.30	636.37	619.30	604.30	18.40	8.25	26.65	18.19	616.11	No	
MW-16	03/03/92	634.30	636.37	619.30	604.30	18.80	8.30	27.10	18.60	615.70	No	
MW-16	09/24/92	634.30	636.37	619.30	604.30	16.92	10.28	27.20	17.17	617.13	No	
MW-16	10/14/92	634.30	636.37	619.30	604.30	17.88	8.52	26.40	17.73	616.57	No	
MW-16	06/25/93	634.30	636.37	619.30	604.30	14.56	12.99	27.55	15.42	618.88	No	
MW-16	10/28/93	634.30	636.37	619.30	604.30	18.27	8.80	27.07	18.19	616.11	No	
MW-16	01/29/94	634.30	636.37	619.30	604.30	19.70	5.51	25.21	18.87	615.43	No	
MW-16	04/27/94	634.30	636.37	619.30	604.30	18.97	5.72	24.69	18.19	616.11	No	
MW-16	07/21/94	634.30	636.37	619.30	604.30	17.80	8.80	26.60	17.72	616.58	No	
MW-16	08/30/94	634.30	636.37	619.30	604.30	18.84	8.58	27.42	18.71	615.59	No	
MW-16	10/25/94	634.30	636.37	619.30	604.30	18.26	8.04	26.30	18.01	616.29	No	
MW-16	11/02/94	634.30	636.37	619.30	604.30	18.49	6.71	25.20	17.94	616.36	No	
MW-16	02/01/95	634.30	636.37	619.30	604.30	22.12	0.09	22.21	20.07	614.23	No	
MW-16	04/04/95	634.30	636.37	619.30	604.30	21.78	0.15	21.93	19.74	614.56	No	
MW-16	07/12/95	634.30	636.37	619.30	604.30	20.65	0.55	21.20	18.70	615.60	No	
MW-16	11/14/95	634.30	636.37	619.30	604.30	18.05	6.80	24.85	17.52	616.78	No	
MW-16	03/13/96	634.30	636.37	619.30	604.30	19.85	7.35	27.20	19.44	614.86	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-16	10/08/96	634.30	636.37	619.30	604.30	19.43	0.08	19.51	17.38	616.92	No	
MW-16	04/29/97	634.30	636.37	619.30	604.30	16.32	9.58	25.90	16.41	617.89	No	
MW-16	06/10/97	634.30	636.37	619.30	604.30	18.02	6.41	24.43	17.40	616.90	No	FP bailed 5/22/97
MW-16	11/03/98	634.30	636.37	619.30	604.30	19.70	9.25	28.95	19.72	614.58	No	
MW-16	09/27/00	634.30	634.92	619.30	604.30	19.35	8.84	28.19	20.73	613.57	No	bailed 2.5 gal. FP
MW-16	10/11/00	634.30	634.92	619.30	604.30	17.70	10.20	27.90	19.38	614.92	No	bailed 2.6 gal. FP
MW-16	11/17/00	634.30	634.92	619.30	604.30	17.84	7.42	25.26	18.90	615.40	No	bailed 2.5 gal. FP
MW-16	12/12/00	634.30	634.92	619.30	604.30	17.98	5.93	23.91	18.70	615.60	No	bailed 2.5 gal. FP
MW-16	01/18/01	634.30	634.92	619.30	604.30	17.85	5.76	23.61	18.53	615.77	No	bailed 2 gal. FP
MW-16	04/24/01	634.30	634.92	619.30	604.30	17.95	5.89	23.84	18.66	615.64	No	product abated using vactruck
MW-16	05/23/01	634.30	634.92	619.30	604.30	17.25	4.37	21.62	17.62	616.68	No	no product bailed
MW-16	06/19/01	635.30	634.92	619.30	604.30	17.02	5.64	22.66	18.67	616.63	No	
MW-16	07/26/01	634.30	634.92	619.30	604.30	17.49	7.56	25.05	18.58	615.72	No	
MW-16	08/31/01	635.30	634.92	619.30	604.30	17.81	7.84	25.65	19.96	615.34	No	
MW-16	09/26/01	636.30	634.92	619.30	604.30	17.64	9.99	27.63	21.28	615.02	No	
MW-16	10/24/01	635.30	634.92	619.30	604.30	17.77	9.51	27.28	20.30	615.00	No	
MW-16	12/20/01	635.30	634.92	619.30	604.30	18.09	8.23	26.32	20.33	614.97	No	
MW-16	01/22/02	635.30	634.92	619.30	604.30	18.16	9.78	27.94	20.75	614.55	No	
MW-16	02/26/02	635.30	634.92	619.30	604.30	18.43	9.97	28.40	21.06	614.24	No	
MW-16	03/20/02	635.30	634.92	619.30	604.30	18.57	9.97	28.54	21.20	614.10	No	
MW-16	04/24/02	635.30	634.92	619.30	604.30	18.16	8.77	26.93	20.52	614.78	No	
MW-16	05/15/02	635.30	634.92	619.30	604.30	17.86	7.09	24.95	19.84	615.46	No	
MW-16	06/27/02	635.30	634.92	619.30	604.30	17.95	6.86	24.81	19.88	615.42	No	
MW-16	07/25/02	635.30	634.92	619.30	604.30	18.00	6.87	24.87	19.93	615.37	No	
MW-16	08/20/02	635.30	634.92	619.30	604.30	17.84	6.75	24.59	19.74	615.56	No	
MW-16	09/30/02	635.30	634.92	619.30	604.30	17.60	6.57	24.17	19.46	615.84	No	
MW-16	11/05/02	635.30	634.92	619.30	604.30	17.33	5.86	23.19	19.03	616.27	No	
MW-16	12/23/02	635.30	634.92	619.30	604.30	17.78	8.28	26.06	20.03	615.27	No	
MW-16	01/28/03	635.30	634.92	619.30	604.30	18.03	9.62	27.65	20.58	614.72	No	
MW-16	02/19/03	635.30	634.92	619.30	604.30	18.22	10.15	28.37	20.89	614.41	No	
MW-16	04/17/03	635.30	634.92	619.30	604.30	18.64	10.26	28.90	21.34	613.96	No	
MW-16	05/15/03	635.30	634.92	619.30	604.30	18.74	8.61	27.35	21.06	614.24	No	
MW-16	06/10/03	635.30	634.92	619.30	604.30	18.50	7.91	26.41	20.67	614.63	No	
MW-16	10/23/03	635.30	634.92	619.30	604.30	18.78	9.46	28.24	21.30	614.00	No	
MW-16	12/03/03	635.30	634.92	619.30	604.30	18.91	9.46	28.37	21.43	613.87	No	
MW-16	04/19/04	633.67	634.42	619.30	604.30	19.60	6.26	25.86	20.26	613.41	No	
MW-16	07/28/04	633.67	634.42	619.30	604.30	18.77	5.84	24.61	19.34	614.33	No	
MW-16	11/15/04	633.67	634.42	619.30	604.30	18.11	4.59	22.70	18.40	615.27	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-16	04/18/05	633.67	634.42	619.30	604.30	18.25	6.23	24.48	18.91	614.76	No	
MW-16	09/09/05	633.67	634.42	619.30	604.30	20.98	6.73	27.71	21.75	611.92	No	
MW-16	10/11/05	633.67	634.42	619.30	604.30	20.43	6.30	26.73	21.10	612.57	No	
MW-16	05/23/06	633.67	634.42	619.30	604.30	20.35	4.00	24.35	20.50	613.17	No	
MW-16	10/16/06	633.67	634.42	619.30	604.30	21.02	7.14	28.16	21.88	611.79	No	
MW-16	04/23/07	633.67	634.42	619.30	604.30	21.53	7.35	28.88	22.44	611.23	No	
MW-16	09/25/07	633.67	637.46	619.30	604.30	22.37	6.88	29.25	20.13	613.54	No	
MW-16	05/01/08	633.67	637.46	619.30	604.30	20.81	3.78	24.59	17.87	615.80	No	
MW-16	10/20/08	633.67	637.46	619.30	604.30	19.57	3.68	23.25	16.61	617.06	No	
MW-16	04/18/09	633.67	637.46	619.30	604.30	20.26	5.04	25.30	17.61	616.06	No	
MW-16	08/04/09	633.67	637.46	619.30	604.30	20.57	6.30	26.87	18.20	615.47	No	
MW-16	08/05/09	633.67	637.46	619.30	604.30	20.79	6.04	26.83	18.36	615.31	No	
MW-16	08/13/09	633.67	637.46	619.30	604.30	20.53	6.23	26.76	18.15	615.52	No	
MW-16	08/18/09	633.67	637.46	619.30	604.30	20.65	6.16	26.81	18.25	615.42	No	
MW-16	08/26/09	633.67	637.46	619.30	604.30	20.51	5.42	25.93	17.94	615.73	No	
MW-16	09/03/09	633.67	637.46	619.30	604.30	20.31	5.79	26.10	17.83	615.84	No	
MW-16	09/08/09	633.67	637.46	619.30	604.30	20.29	5.79	26.08	17.81	615.86	No	
MW-16	09/14/09	633.67	637.46	619.30	604.30	20.31	6.29	26.60	17.94	615.73	No	
MW-16	10/11/09	633.67	637.46	619.30	604.30	20.69	6.59	27.28	18.39	615.28	No	
MW-16	10/15/09	633.67	637.46	619.30	604.30	20.69	6.59	27.28	18.39	615.28	No	
MW-16	04/28/10	633.67	637.46	619.30	604.30	20.73	7.26	27.99	18.58	615.09	No	
MW-16	10/25/10	633.67	637.46	619.30	604.30	18.94	7.01	25.95	16.73	616.94	No	
MW-16	04/25/11	633.67	637.46	619.30	604.30	20.01	6.04	26.05	17.58	616.09	No	
MW-16	08/04/11	633.67	637.46	619.30	604.30	18.31	6.08	24.39	15.89	617.78	No	
MW-16	09/14/11	633.67	637.46	619.30	604.30	19.32	6.16	25.48	16.92	616.75	No	
MW-16	09/23/11	633.67	637.46	619.30	604.30	19.52	6.18	25.70	17.13	616.54	No	
MW-16	09/29/11	633.67	637.46	619.30	604.30	19.53	6.37	25.90	17.18	616.49	No	
MW-16	10/07/11	633.67	637.46	619.30	604.30	19.71	6.32	26.03	17.35	616.32	No	
MW-16	10/10/11	633.67	637.46	619.30	604.30	19.82	6.30	26.12	17.45	616.22	No	
MW-16	10/21/11	633.67	637.46	619.30	604.30	20.05	6.27	26.32	17.68	615.99	No	
MW-16	10/27/11	633.67	637.46	619.30	604.30	20.15	6.25	26.40	17.77	615.90	No	
MW-16	11/04/11	633.67	637.46	619.30	604.30	20.29	6.25	26.54	17.91	615.76	No	
MW-16	11/09/11	633.67	637.46	619.30	604.30	20.31	6.27	26.58	17.94	615.73	No	
MW-16	11/18/11	633.67	637.46	619.30	604.30	20.46	6.22	26.68	18.07	615.60	No	
MW-16	11/22/11	633.67	637.46	619.30	604.30	20.59	6.18	26.77	18.20	615.47	No	
MW-16	12/01/11	633.67	637.46	619.30	604.30	20.83	6.13	26.96	18.42	615.25	No	
MW-16	01/04/12	633.67	637.46	619.30	604.30	21.17	6.28	27.45	18.80	614.87	No	
MW-16	02/16/12	633.67	637.46	619.30	604.30	21.64	6.88	28.52	19.40	614.27	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-16	03/13/12	633.67	637.46	619.30	604.30	21.64	8.08	29.72	19.68	613.99	No	
MW-16	04/03/12	633.67	637.46	619.30	604.30	21.34	8.29	29.63	19.42	614.25	No	Spill Buddy Probe could not go past approximately 12-15 feet in well, could not recover with Spill Buddy
MW-16	04/16/12	633.67	637.46	619.30	604.30	21.15	7.80	28.95	19.12	614.55	No	
MW-16	06/26/12	633.67	637.46	619.30	604.30	19.89	1.94	21.83	16.54	617.13	No	
MW-16	07/12/12	633.67	637.46	619.30	604.30	19.95	3.91	23.86	17.04	616.63	No	Gauge before hand bail
MW-16	07/12/12	633.67	637.46	619.30	604.30	21.81	0.14	21.95	18.05	615.62	No	Gauge after hand bail
MW-16	07/24/12	633.67	637.46	619.30	604.30	19.90	5.04	24.94	17.25	616.42	No	
MW-16	08/17/12	633.67	637.46	619.30	604.30	20.14	5.53	25.67	17.60	616.07	No	
MW-16	09/17/12	633.67	637.46	619.30	604.30	20.45	7.09	27.54	18.26	615.41	No	
MW-16	09/20/12	633.67	637.46	619.30	604.30	20.44	7.15	27.59	18.26	615.41	No	
MW-16	09/30/12	633.67	637.46	619.30	604.30	21.67	6.28	27.95	19.30	614.37	No	
MW-16	10/22/12	633.67	637.46	619.30	604.30	21.03	7.13	28.16	18.85	614.82	No	
MW-16	11/21/12	633.67	637.46	619.30	604.30	21.15	6.94	28.09	18.93	614.74	No	
MW-16	12/17/12	633.67	637.46	619.30	604.30	21.37	6.92	28.29	19.14	614.53	No	
MW-16	03/25/13	633.67	637.46	619.30	604.30	21.71	9.54	31.25	20.07	613.60	No	
MW-16	04/03/13	633.67	637.46	619.30	604.30	21.37	9.72	31.09	19.78	613.89	No	Spill Buddy Before Reading
MW-16	04/03/13	633.67	637.46	619.30	604.30	24.29	0.58	24.87	20.63	613.04	No	Spill Buddy After Reading
MW-16	05/05/13	633.67	637.46	619.30	604.30	21.65	6.45	28.10	19.32	614.35	No	
MW-16	10/03/13	633.67	637.46	619.30	604.30	21.24	5.87	27.11	18.78	614.89	No	
MW-16	05/22/14	633.67	637.46	619.30	604.30	20.30	2.09	22.39	16.98	616.69	No	
MW-16	10/31/14	633.67	637.46	619.30	604.30	19.49	5.64	25.13	16.97	616.70	No	
MW-16	05/06/15	633.67	637.46	619.30	604.30	20.89	6.75	27.64	18.62	615.05	No	
MW-16	07/10/15	633.67	637.46	619.30	604.30	20.26	4.21	24.47	17.42	616.25	No	
MW-16	10/05/15	633.67	637.46	619.30	604.30	19.50	4.12	23.62	16.64	617.03	No	
MW-16	05/23/16	633.67	637.46	619.30	604.30	16.49	11.46	27.95	15.29	618.38	No	
MW-16	10/03/16	633.67	637.46	619.30	604.30	18.27	7.27	25.54	16.12	617.55	No	
MW-16	06/14/17	633.67	637.46	619.30	604.30	16.96	10.44	27.40	15.53	618.14	No	
MW-16	06/21/17	633.67	637.46	619.30	604.30	17.08	10.17	27.25	15.59	618.08	No	
MW-16	06/22/17	633.67	637.46	619.30	604.30	18.75	1.48	20.23	15.29	618.38	No	
MW-16	06/23/17	633.67	637.46	619.30	604.30	18.87	1.33	20.20	15.38	618.29	No	
MW-16	10/26/17	633.67	637.46	619.30	604.30	14.68	14.77	29.45	14.23	619.44	Yes	
MW-16	05/15/18	633.67	637.46	619.30	604.30	20.23	5.53	25.76	17.69	615.98	No	
MW-16	05/23/18	633.67	637.46	619.30	604.30	20.13	5.65	25.78	17.62	616.05	No	
MW-16	05/02/19	633.67	637.46	619.30	604.30	19.76	5.54	25.30	17.22	616.45	No	
MW-16	07/25/19	633.67	637.46	619.30	604.30	18.53	7.74	26.27	16.49	617.18	No	
MW-16	05/26/20	633.67	637.46	619.30	604.30	16.52	12.99	29.51	15.66	618.01	No	
MW-16	05/24/21	633.67	637.46	619.30	604.30	19.22	6.34	25.56	16.86	616.81	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-18	09/08/88	634.60	636.91	619.60	609.60	NP	0.00	20.90	18.59	616.01	No	
MW-18	09/20/88	634.60	636.91	619.60	609.60	NP	0.00	21.20	18.89	615.71	No	
MW-18	04/27/89	634.60	636.91	619.60	609.60	NP	0.00	20.93	18.62	615.98	No	
MW-18	05/18/89	634.60	636.91	619.60	609.60	NP	0.00	20.56	18.25	616.35	No	
MW-18	06/30/89	634.60	636.91	619.60	609.60	NP	0.00	20.27	17.96	616.64	No	
MW-18	07/12/89	634.60	636.91	619.60	609.60	NP	0.00	20.43	18.12	616.48	No	
MW-18	07/26/89	634.60	636.91	619.60	609.60	NP	0.00	20.32	18.01	616.59	No	
MW-18	07/27/89	634.60	636.91	619.60	609.60	NP	0.00	20.48	18.17	616.43	No	
MW-18	09/03/89	634.60	636.91	619.60	609.60	NP	0.00	20.64	18.33	616.27	No	
MW-18	11/16/89	634.60	636.91	619.60	609.60	NP	0.00	20.57	18.26	616.34	No	
MW-18	11/28/89	634.60	636.91	619.60	609.60	NP	0.00	20.81	18.50	616.10	No	
MW-18	06/01/90	634.60	636.91	619.60	609.60	NP	0.00	20.75	18.44	616.16	No	
MW-18	06/19/90	634.60	636.91	619.60	609.60	NP	0.00	20.70	18.39	616.21	No	
MW-18	06/27/90	634.60	636.91	619.60	609.60	NP	0.00	20.89	18.58	616.02	No	
MW-18	07/05/90	634.60	636.91	619.60	609.60	NP	0.00	21.11	18.80	615.80	No	
MW-18	07/13/90	634.60	636.91	619.60	609.60	NP	0.00	20.98	18.67	615.93	No	
MW-18	07/17/90	634.60	636.91	619.60	609.60	NP	0.00	20.71	18.40	616.20	No	
MW-18	07/25/90	634.60	636.91	619.60	609.60	NP	0.00	20.95	18.64	615.96	No	
MW-18	08/09/90	634.60	636.91	619.60	609.60	NP	0.00	20.96	18.65	615.95	No	
MW-18	08/14/90	634.60	636.91	619.60	609.60	NP	0.00	20.90	18.59	616.01	No	
MW-18	08/27/90	634.60	636.91	619.60	609.60	NP	0.00	20.75	18.44	616.16	No	
MW-18	01/04/91	634.60	636.91	619.60	609.60	NP	0.00	20.16	17.85	616.75	No	
MW-18	01/30/91	634.60	636.91	619.60	609.60	NP	0.00	20.25	17.94	616.66	No	
MW-18	04/24/91	634.60	636.91	619.60	609.60	NP	0.00	20.82	18.51	616.09	No	
MW-18	07/09/91	634.60	636.91	619.60	609.60	NP	0.00	19.05	16.74	617.86	No	
MW-18	10/08/91	634.60	636.91	619.60	609.60	NP	0.00	17.57	15.26	619.34	No	
MW-18	01/07/92	634.60	636.91	619.60	609.60	NP	0.00	17.76	15.45	619.15	No	
MW-18	10/14/92	634.60	636.91	619.60	609.60	NP	0.00	17.60	15.29	619.31	No	
MW-18	01/29/94	634.60	636.91	619.60	609.60	NP	0.00	18.76	16.45	618.15	No	
MW-18	04/27/94	634.60	636.91	619.60	609.60	NP	0.00	18.90	16.59	618.01	No	
MW-18	07/21/94	634.60	636.91	619.60	609.60	NP	0.00	17.52	15.21	619.39	No	
MW-18	10/25/94	634.60	636.91	619.60	609.60	NP	0.00	18.00	15.69	618.91	No	
MW-18	10/27/94	634.60	636.91	619.60	609.60	NP	0.00	17.44	15.13	619.47	No	
MW-18	02/01/95	634.60	636.91	619.60	609.60	NP	0.00	19.22	16.91	617.69	No	
MW-18	04/04/95	634.60	636.91	619.60	609.60	NP	0.00	19.94	17.63	616.97	No	
MW-18	07/12/95	634.60	636.91	619.60	609.60	NP	0.00	18.90	16.59	618.01	No	
MW-18	11/13/95	634.60	636.91	619.60	609.60	NP	0.00	17.71	15.40	619.20	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-18	03/13/96	634.60	636.91	619.60	609.60	NP	0.00	19.33	17.02	617.58	No	
MW-18	10/08/96	634.60	636.91	619.60	609.60	NP	0.00	16.89	14.58	620.02	Yes	
MW-18	04/29/97	634.60	636.91	619.60	609.60	NP	0.00	16.25	13.94	620.66	Yes	
MW-18	11/03/98	634.60	636.91	619.60	609.60	NP	0.00	19.75	17.44	617.16	No	
MW-18	03/02/99	634.60	636.91	619.60	609.60	NP	0.00	19.76	17.45	617.15	No	
MW-18	04/26/00	634.60	636.91	619.60	609.60	NP	0.00	18.92	16.61	617.99	No	
MW-18	08/18/00	634.60	636.91	619.60	609.60	NP	0.00	19.40	17.09	617.51	No	
MW-18	11/05/02	634.60	636.91	619.60	609.60	NP	0.00	19.01	16.70	617.90	No	
MW-18	08/18/03					Abandoned						
MW-19	06/30/89	632.80	635.42	611.10	601.10	NP	0.00	20.95	18.33	614.47	Yes	
MW-19	07/12/89	632.80	635.42	611.10	601.10	NP	0.00	22.86	20.24	612.56	Yes	
MW-19	07/26/89	632.80	635.42	611.10	601.10	NP	0.00	23.09	20.47	612.33	Yes	
MW-19	07/27/89	632.80	635.42	611.10	601.10	NP	0.00	23.17	20.55	612.25	Yes	
MW-19	09/03/89	632.80	635.42	611.10	601.10	NP	0.00	23.13	20.51	612.29	Yes	
MW-19	11/16/89	632.80	635.42	611.10	601.10	NP	0.00	23.42	20.80	612.00	Yes	
MW-19	11/28/89	632.80	635.42	611.10	601.10	NP	0.00	23.72	21.10	611.70	Yes	
MW-19	06/19/90	632.80	635.42	611.10	601.10	NP	0.00	23.20	20.58	612.22	Yes	
MW-19	06/27/90	632.80	635.42	611.10	601.10	NP	0.00	23.61	20.99	611.81	Yes	
MW-19	07/05/90	632.80	635.42	611.10	601.10	NP	0.00	23.86	21.24	611.56	Yes	
MW-19	07/13/90	632.80	635.42	611.10	601.10	NP	0.00	23.88	21.26	611.54	Yes	
MW-19	07/17/90	632.80	635.42	611.10	601.10	NP	0.00	23.72	21.10	611.70	Yes	
MW-19	07/25/90	632.80	635.42	611.10	601.10	NP	0.00	23.38	20.76	612.04	Yes	
MW-19	08/09/90	632.80	635.42	611.10	601.10	NP	0.00	23.85	21.23	611.57	Yes	
MW-19	08/14/90	632.80	635.42	611.10	601.10	NP	0.00	23.93	21.31	611.49	Yes	
MW-19	08/27/90	632.80	635.42	611.10	601.10	NP	0.00	23.70	21.08	611.72	Yes	
MW-19	09/06/90	632.80	635.42	611.10	601.10	NP	0.00	23.34	20.72	612.08	Yes	
MW-19	01/04/91	632.80	635.42	611.10	601.10	NP	0.00	23.42	20.80	612.00	Yes	
MW-19	01/30/91	632.80	635.42	611.10	601.10	NP	0.00	23.64	21.02	611.78	Yes	
MW-19	04/24/91	632.80	635.42	611.10	601.10	NP	0.00	23.47	20.85	611.95	Yes	
MW-19	07/09/91	632.80	635.42	611.10	601.10	NP	0.00	21.72	19.10	613.70	Yes	
MW-19	10/08/91	632.80	635.42	611.10	601.10	NP	0.00	20.84	18.22	614.58	Yes	
MW-19	01/07/92	632.80	635.42	611.10	601.10	NP	0.00	20.99	18.37	614.43	Yes	
MW-19	10/14/92	632.80	635.42	611.10	601.10	NP	0.00	20.98	18.36	614.44	Yes	
MW-19	06/25/93	632.80	635.42	611.10	601.10	NP	0.00	19.56	16.94	615.86	Yes	
MW-19	10/28/93	632.80	635.42	611.10	601.10	NP	0.00	21.12	18.50	614.30	Yes	
MW-19	01/29/94	632.80	635.42	611.10	601.10	NP	0.00	21.82	19.20	613.60	Yes	
MW-19	04/27/94	632.80	635.42	611.10	601.10	NP	0.00	21.56	18.94	613.86	Yes	

Table 3
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-19	07/21/94	632.80	635.42	611.10	601.10	NP	0.00	20.61	17.99	614.81	Yes	
MW-19	10/25/94	632.80	635.42	611.10	601.10	NP	0.00	20.91	18.29	614.51	Yes	
MW-19	10/28/94	632.80	635.42	611.10	601.10	NP	0.00	20.58	17.96	614.84	Yes	
MW-19	02/01/95	632.80	635.42	611.10	601.10	NP	0.00	22.23	19.61	613.19	Yes	
MW-19	04/04/95	632.80	635.42	611.10	601.10	NP	0.00	22.40	19.78	613.02	Yes	
MW-19	07/12/95	632.80	635.42	611.10	601.10	NP	0.00	29.61	26.99	605.81	No	
MW-19	11/13/95	632.80	635.42	611.10	601.10	NP	0.00	20.72	18.10	614.70	Yes	
MW-19	03/13/96	632.80	635.42	611.10	601.10	NP	0.00	23.25	20.63	612.17	Yes	
MW-19	04/22/96	632.80	635.42	611.10	601.10	NP	0.00	20.85	18.23	614.57	Yes	
MW-19	10/08/96	632.80	635.42	611.10	601.10	NP	0.00	20.02	17.40	615.40	Yes	
MW-19	04/29/97	632.80	635.42	611.10	601.10	NP	0.00	19.40	16.78	616.02	Yes	
MW-19	11/03/98	632.80	635.42	611.10	601.10	NP	0.00	22.31	19.69	613.11	Yes	
MW-19	03/02/99	632.80	635.42	611.10	601.10	NP	0.00	22.67	20.05	612.75	Yes	
MW-19	03/02/99	632.80	635.42	611.10	601.10	NP	0.00	21.68	19.06	613.74	Yes	
MW-19	10/10/00	632.80	635.42	611.10	601.10	NP	0.00	22.27	19.65	613.15	Yes	
MW-19	04/24/01	632.80	635.42	611.10	601.10	NP	0.00	21.64	19.02	613.78	Yes	
MW-19	10/23/01	632.80	635.42	611.10	601.10	NP	0.00	22.26	19.64	613.16	Yes	
MW-19	04/23/02	632.80	635.42	611.10	601.10	NP	0.00	22.54	19.92	612.88	Yes	
MW-19	11/05/02	632.80	635.42	611.10	601.10	NP	0.00	21.27	18.65	614.15	Yes	
MW-19	04/17/03	632.80	635.42	611.10	601.10	NP	0.00	23.33	20.71	612.09	Yes	
MW-19	05/15/03	632.80	635.42	611.10	601.10	NM	NM	NM	NM	NM		
MW-19	10/21/03	MW-19 abandoned and replaced as MW-19 due to city road construction										
MW-19	04/19/04	633.62	636.61			NP	0.00	24.61	21.62	612.00	NA	
MW-19	11/18/04	633.62	636.61			NP	0.00	22.95	19.96	613.66	NA	
MW-19	04/18/05	633.62	636.61			NP	0.00	23.12	20.13	613.49	NA	
MW-19	09/07/05	MW-19 again abandoned and replaced as MW-19R due to reconstruction of nearby retention basin by city										
MW-19R	10/11/05	630.50	633.05	11 bgs	26 bgs	NP	0.00	18.47	15.92	614.58	NA	
MW-19R	05/23/06	630.50	633.05	need new survey		17.70	1.72	19.42	15.54	614.96	NA	
MW-19R	10/16/06	630.50	633.05	need new survey		19.19	2.07	21.26	17.11	613.39	NA	
MW-19R	04/23/07	630.50	633.05	need new survey		19.53	1.12	20.65	17.23	613.27	NA	
MW-19R	09/25/07	630.50	633.05	need new survey		19.60	2.53	22.13	17.62	612.88	NA	
MW-19R	05/01/08	630.50	633.05	need new survey		18.02	0.50	18.52	15.58	614.92	NA	
MW-19R	10/20/08	630.50	633.05	need new survey		17.21	0.68	17.89	14.81	615.69	NA	
MW-19R	04/18/09	630.50	633.05	need new survey		18.12	0.49	18.61	15.68	614.82	NA	
MW-19R	10/11/09	630.50	633.05	need new survey		18.57	1.67	20.24	16.40	614.10	NA	
MW-19R	04/28/10	630.50	633.05	need new survey		18.86	1.30	20.16	16.60	613.90	NA	
MW-19R	10/25/10	630.50	633.05	need new survey		17.41	1.46	18.87	15.19	615.31	NA	
MW-19R	04/25/11	630.50	633.05	need new survey		18.18	0.89	19.07	15.83	614.67	NA	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-19R	10/10/11	630.50	633.05	need new survey		17.86	2.11	19.97	15.79	614.71	NA	
MW-19R	01/04/12	630.50	633.05	need new survey		19.14	2.25	21.39	17.10	613.40	NA	
MW-19R	04/05/12	630.50	633.05	need new survey		19.57	2.62	22.19	17.61	612.89	NA	Spill Buddy Before Reading
MW-19R	04/05/12	630.50	633.05	need new survey		20.67	0.14	20.81	18.15	612.35	NA	Spill Buddy After Reading
MW-19R	04/16/12	630.50	633.05	need new survey		19.75	1.07	20.82	17.44	613.06	NA	
MW-19R	06/26/12	630.50	633.05	need new survey		17.14	0.01	17.15	14.59	615.91	NA	
MW-19R	07/26/12	630.50	633.05	need new survey		17.65	1.03	18.68	15.33	615.17	NA	Spill Buddy Before Reading
MW-19R	07/26/12	630.50	633.05	need new survey		18.26	0.03	18.29	15.72	614.78	NA	Spill Buddy After Reading
MW-19R	08/09/12	630.50	633.05	need new survey		17.79	1.26	19.05	15.52	614.98	NA	Spill Buddy Before Reading
MW-19R	08/09/12	630.50	633.05	need new survey		18.38	0.07	18.45	15.85	614.65	NA	Spill Buddy After Reading
MW-19R	09/29/12	630.50	633.05	need new survey		18.84	1.75	20.59	16.69	613.81	NA	Spill Buddy Before Reading
MW-19R	09/29/12	630.50	633.05	need new survey		19.50	0.09	19.59	16.97	613.53	NA	Spill Buddy After Reading
MW-19R	09/30/12	630.50	633.05	need new survey		18.94	0.68	19.62	16.54	613.96	NA	
MW-19R	11/21/12	630.50	633.05	need new survey		19.35	0.79	20.14	16.98	613.52	NA	
MW-19R	12/17/12	630.50	633.05	need new survey		19.60	0.85	20.45	17.24	613.26	NA	
MW-19R	03/25/13	630.50	633.05	need new survey		21.39	-0.97	20.42	18.62	612.63	NA	
MW-19R	05/05/13	630.50	633.05	need new survey		19.52	1.11	20.63	17.22	613.28	NA	
MW-19R	10/03/13	630.50	633.05	need new survey		18.91	2.08	20.99	16.83	613.67	NA	
MW-20	06/30/89	633.80	636.47	619.00	609.00	NP	0.00	19.86	17.19	616.61	No	
MW-20	07/12/89	633.80	636.47	619.00	609.00	NP	0.00	19.98	17.31	616.49	No	
MW-20	07/26/89	633.80	636.47	619.00	609.00	NP	0.00	19.92	17.25	616.55	No	
MW-20	07/27/89	633.80	636.47	619.00	609.00	NP	0.00	20.05	17.38	616.42	No	
MW-20	09/03/89	633.80	636.47	619.00	609.00	NP	0.00	20.16	17.49	616.31	No	
MW-20	11/16/89	633.80	636.47	619.00	609.00	NP	0.00	20.17	17.50	616.30	No	
MW-20	11/28/89	633.80	636.47	619.00	609.00	NP	0.00	20.33	17.66	616.14	No	
MW-20	06/01/90	633.80	636.47	619.00	609.00	NP	0.00	20.33	17.66	616.14	No	
MW-20	06/19/90	633.80	636.47	619.00	609.00	NP	0.00	20.20	17.53	616.27	No	
MW-20	06/27/90	633.80	636.47	619.00	609.00	NP	0.00	20.27	17.60	616.20	No	
MW-20	07/05/90	633.80	636.47	619.00	609.00	NP	0.00	20.47	17.80	616.00	No	
MW-20	07/13/90	633.80	636.47	619.00	609.00	NP	0.00	20.46	17.79	616.01	No	
MW-20	07/17/90	633.80	636.47	619.00	609.00	NP	0.00	20.24	17.57	616.23	No	
MW-20	07/25/90	633.80	636.47	619.00	609.00	NP	0.00	20.43	17.76	616.04	No	
MW-20	08/09/90	633.80	636.47	619.00	609.00	NP	0.00	20.35	17.68	616.12	No	
MW-20	08/14/90	633.80	636.47	619.00	609.00	NP	0.00	20.41	17.74	616.06	No	
MW-20	08/27/90	633.80	636.47	619.00	609.00	NP	0.00	20.24	17.57	616.23	No	
MW-20	09/06/90	633.80	636.47	619.00	609.00	NP	0.00	19.98	17.31	616.49	No	
MW-20	01/04/91	633.80	636.47	619.00	609.00	NP	0.00	19.76	17.09	616.71	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations	
MW-20	01/30/91	633.80	636.47	619.00	609.00	NP	0.00	19.86	17.19	616.61	No		
MW-20	04/24/91	633.80	636.47	619.00	609.00	NP	0.00	20.26	17.59	616.21	No		
MW-20	07/09/91	633.80	636.47	619.00	609.00	NP	0.00	18.83	16.16	617.64	No		
MW-20	10/08/91	633.80	636.47	619.00	609.00	NP	0.00	17.33	14.66	619.14	Yes		
MW-20	01/07/92	633.80	636.47	619.00	609.00	NP	0.00	17.49	14.82	618.98	No		
MW-20	10/14/92	633.80	636.47	619.00	609.00	NP	0.00	17.23	14.56	619.24	Yes		
MW-20	06/25/93	633.80	636.47	619.00	609.00	NP	0.00	15.86	13.19	620.61	Yes		
MW-20	10/28/93	633.80	636.47	619.00	609.00	NP	0.00	17.43	14.76	619.04	Yes		
MW-20	01/29/94	633.80	636.47	619.00	609.00	NP	0.00	18.41	15.74	618.06	No		
MW-20	04/27/94	633.80	636.47	619.00	609.00	NP	0.00	18.52	15.85	617.95	No		
MW-20	07/21/94	633.80	636.47	619.00	609.00	NP	0.00	17.30	14.63	619.17	Yes		
MW-20	10/25/94	633.80	636.47	619.00	609.00	NP	0.00	17.67	15.00	618.80	No		
MW-20	10/27/94	633.80	636.47	619.00	609.00	NP	0.00	16.93	14.26	619.54	Yes		
MW-20	02/01/95	633.80	636.47	619.00	609.00	NP	0.00	18.71	16.04	617.76	No		
MW-20	04/04/95	633.80	636.47	619.00	609.00	NP	0.00	19.35	16.68	617.12	No		
MW-20	11/13/95	633.80	636.47	619.00	609.00	NP	0.00	17.54	14.87	618.93	No		
MW-20	03/13/96	633.80	636.47	619.00	609.00	NP	0.00	19.01	16.34	617.46	No		
MW-20	04/22/96	633.80	636.47	619.00	609.00	NP	0.00	18.35	15.68	618.12	No		
MW-20	10/08/96	633.80	636.47	619.00	609.00	NP	0.00	16.83	14.16	619.64	Yes		
MW-20	04/29/97	633.80	636.47	619.00	609.00	NP	0.00	16.30	13.63	620.17	Yes		
MW-20	11/03/98	633.80	636.47	619.00	609.00	NP	0.00	19.39	16.72	617.08	No		
MW-20	03/02/99	633.80	636.47	619.00	609.00	NP	0.00	19.39	16.72	617.08	No		
MW-20	04/26/00	633.80	636.47	619.00	609.00	NP	0.00	18.71	16.04	617.76	No		
MW-20	10/10/00	633.80	636.47	619.00	609.00	NP	0.00	18.95	16.28	617.52	No		
MW-20	11/05/02	633.80	636.47	619.00	609.00	NP	0.00	18.88	16.21	617.59	No		
MW-20	04/17/03	633.80	636.47	619.00	609.00	NM	NM	NM	NM	NM	NM		
MW-20	05/15/03	633.80	636.47	619.00	609.00	NM	NM	NM	NM	NM	NM		
MW-20	08/18/03					Abandoned							
MW-21	06/30/89	635.10	637.26	618.50	608.50	NP	0.00	20.53	18.37	616.73	No		
MW-21	07/12/89	635.10	637.26	618.50	608.50	NP	0.00	20.68	18.52	616.58	No		
MW-21	07/26/89	635.10	637.26	618.50	608.50	NP	0.00	20.53	18.37	616.73	No		
MW-21	07/27/89	635.10	637.26	618.50	608.50	NP	0.00	20.69	18.53	616.57	No		
MW-21	09/03/89	635.10	637.26	618.50	608.50	NP	0.00	20.89	18.73	616.37	No		
MW-21	11/16/89	635.10	637.26	618.50	608.50	NP	0.00	20.80	18.64	616.46	No		
MW-21	11/28/89	635.10	637.26	618.50	608.50	NP	0.00	21.03	18.87	616.23	No		
MW-21	06/01/90	635.10	637.26	618.50	608.50	NP	0.00	21.05	18.89	616.21	No		
MW-21	06/19/90	635.10	637.26	618.50	608.50	NP	0.00	21.06	18.90	616.20	No		

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-21	06/27/90	635.10	637.26	618.50	608.50	NP	0.00	21.25	19.09	616.01	No	
MW-21	07/05/90	635.10	637.26	618.50	608.50	NP	0.00	21.50	19.34	615.76	No	
MW-21	07/13/90	635.10	637.26	618.50	608.50	NP	0.00	21.37	19.21	615.89	No	
MW-21	07/17/90	635.10	637.26	618.50	608.50	NP	0.00	21.06	18.90	616.20	No	
MW-21	07/25/90	635.10	637.26	618.50	608.50	NP	0.00	21.30	19.14	615.96	No	
MW-21	08/09/90	635.10	637.26	618.50	608.50	NP	0.00	21.17	19.01	616.09	No	
MW-21	08/14/90	635.10	637.26	618.50	608.50	NP	0.00	21.33	19.17	615.93	No	
MW-21	08/27/90	635.10	637.26	618.50	608.50	NP	0.00	21.24	19.08	616.02	No	
MW-21	09/06/90	635.10	637.26	618.50	608.50	NP	0.00	21.02	18.86	616.24	No	
MW-21	01/04/91	635.10	637.26	618.50	608.50	NP	0.00	20.41	18.25	616.85	No	
MW-21	01/30/91	635.10	637.26	618.50	608.50	NP	0.00	20.52	18.36	616.74	No	
MW-21	04/24/91	635.10	637.26	618.50	608.50	NP	0.00	21.04	18.88	616.22	No	
MW-21	06/06/91	635.10	637.26	618.50	608.50	NP	0.00	20.06	17.90	617.20	No	
MW-21	07/09/91	635.10	637.26	618.50	608.50	NP	0.00	19.18	17.02	618.08	No	
MW-21	08/06/91	635.10	637.26	618.50	608.50	NP	0.00	18.49	16.33	618.77	Yes	
MW-21	09/04/91	635.10	637.26	618.50	608.50	NP	0.00	18.37	16.21	618.89	Yes	
MW-21	10/08/91	635.10	637.26	618.50	608.50	NP	0.00	17.59	15.43	619.67	Yes	
MW-21	11/08/91	635.10	637.26	618.50	608.50	NP	0.00	18.28	16.12	618.98	Yes	
MW-21	12/03/91	635.10	637.26	618.50	608.50	NP	0.00	16.53	14.37	620.73	Yes	
MW-21	01/07/92	635.10	637.26	618.50	608.50	NP	0.00	17.83	15.67	619.43	Yes	
MW-21	02/04/92	635.10	637.26	618.50	608.50	NP	0.00	18.53	16.37	618.73	Yes	
MW-21	03/03/92	635.10	637.26	618.50	608.50	NP	0.00	18.95	16.79	618.31	No	
MW-21	09/24/92	635.10	637.26	618.50	608.50	NP	0.00	17.08	14.92	620.18	Yes	
MW-21	10/14/92	635.10	637.26	618.50	608.50	NP	0.00	17.84	15.68	619.42	Yes	
MW-21	06/25/93	635.10	637.26	618.50	608.50	NP	0.00	15.67	13.51	621.59	Yes	
MW-21	10/28/93	635.10	637.26	618.50	608.50	NP	0.00	18.26	16.10	619.00	Yes	
MW-21	04/27/94	635.10	637.26	618.50	608.50	NP	0.00	19.03	16.87	618.23	No	
MW-21	07/21/94	635.10	637.26	618.50	608.50	NP	0.00	17.59	15.43	619.67	Yes	
MW-21	04/04/95	635.10	637.26	618.50	608.50	NP	0.00	20.21	18.05	617.05	No	
MW-21	07/12/95	635.10	637.26	618.50	608.50	NP	0.00	19.04	16.88	618.22	No	
MW-21	11/13/95	635.10	637.26	618.50	608.50	17.78	0.01	17.79	15.62	619.48	Yes	
MW-21	10/08/96	635.10	637.26	618.50	608.50	NP	0.00	16.93	14.77	620.33	Yes	
MW-21	04/29/97	635.10	637.26	618.50	608.50	NP	0.00	16.10	13.94	621.16	Yes	
MW-21	03/02/99	635.10	637.26	618.50	608.50	NP	0.00	19.99	17.83	617.27	No	
MW-21	10/07/99	635.10	637.26	618.50	608.50	NP	0.00	16.89	14.73	620.37	Yes	
MW-21	11/09/99	635.10	637.26	618.50	608.50	NP	0.00	16.60	14.44	620.66	Yes	
MW-21	01/27/00	635.10	637.26	618.50	608.50	NP	0.00	19.18	17.02	618.08	No	
MW-21	04/20/00	635.10	637.26	618.50	608.50	NP	0.00	19.11	16.95	618.15	No	

Table 3
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-21	04/26/00	635.10	637.26	618.50	608.50	NP	0.00	19.12	16.96	618.14	No	
MW-21	08/18/00	635.10	637.26	618.50	608.50	NP	0.00	19.62	17.46	617.64	No	
MW-21	11/05/02	635.10	637.26	618.50	608.50	NP	0.00	19.01	16.85	618.25	No	
MW-21	10/23/03	635.10	637.26	618.50	608.50	NP	0.00	21.01	18.85	616.25	No	
MW-21	04/19/04	635.88	637.31	618.50	608.50	NP	0.00	21.87	20.44	615.44	No	
MW-21	11/16/04	635.88	637.31	618.50	608.50	NP	0.00	20.14	18.71	617.17	No	
MW-21	04/18/05	635.88	637.31	618.50	608.50	NP	0.00	20.36	18.93	616.95	No	
MW-21	10/11/05	635.88	637.31	618.50	608.50	NP	0.00	19.83	18.40	617.48	No	
MW-21	05/23/06	635.88	637.31	618.50	608.50	NP	0.00	19.08	17.65	618.23	No	
MW-21	10/16/06	635.88	637.31	618.50	608.50	NP	0.00	19.87	18.44	617.44	No	
MW-21	04/23/07	635.88	637.31	618.50	608.50	NP	0.00	20.82	19.39	616.49	No	Well bent
MW-21	06/26/07						Abandoned					
MW-22	06/30/89	636.30	638.97	618.60	608.60	22.21	1.50	23.71	19.88	616.42	No	
MW-22	07/12/89	636.30	638.97	618.60	608.60	22.10	2.50	24.60	19.99	616.31	No	
MW-22	07/26/89	636.30	638.97	618.60	608.60	22.01	2.71	24.72	19.95	616.35	No	
MW-22	07/27/89	636.30	638.97	618.60	608.60	22.06	2.78	24.84	20.02	616.28	No	
MW-22	09/03/89	636.30	638.97	618.60	608.60	22.25	2.64	24.89	20.18	616.12	No	
MW-22	11/16/89	636.30	638.97	618.60	608.60	22.08	2.61	24.69	20.00	616.30	No	
MW-22	11/29/89	636.30	638.97	618.60	608.60	22.02	2.62	24.64	19.94	616.36	No	
MW-22	12/01/89	636.30	638.97	618.60	608.60	22.35	2.45	24.80	20.23	616.07	No	
MW-22	12/02/89	636.30	638.97	618.60	608.60	22.55	2.05	24.60	20.34	615.96	No	
MW-22	05/04/90	636.30	638.97	618.60	608.60	22.78	3.56	26.34	20.91	615.39	No	
MW-22	06/01/90	636.30	638.97	618.60	608.60	22.52	3.53	26.05	20.65	615.65	No	
MW-22	06/19/90	636.30	638.97	618.60	608.60	22.52	3.24	25.76	20.58	615.72	No	
MW-22	06/27/90	636.30	638.97	618.60	608.60	22.69	3.07	25.76	20.71	615.59	No	
MW-22	07/05/90	636.30	638.97	618.60	608.60	22.85	3.22	26.07	20.91	615.39	No	
MW-22	07/13/90	636.30	638.97	618.60	608.60	22.65	3.11	25.76	20.68	615.62	No	
MW-22	07/17/90	636.30	638.97	618.60	608.60	22.46	3.11	25.57	20.49	615.81	No	
MW-22	07/25/90	636.30	638.97	618.60	608.60	22.65	3.15	25.80	20.69	615.61	No	
MW-22	08/27/90	636.30	638.97	618.60	608.60	22.60	3.08	25.68	20.63	615.67	No	
MW-22	09/06/90	636.30	638.97	618.60	608.60	22.50	2.94	25.44	20.49	615.81	No	
MW-22	01/04/91	636.30	638.97	618.60	608.60	22.02	1.99	24.01	19.80	616.50	No	
MW-22	01/30/91	636.30	638.97	618.60	608.60	22.10	2.29	24.39	19.95	616.35	No	
MW-22	04/24/91	636.30	638.97	618.60	608.60	22.42	3.02	25.44	20.43	615.87	No	
MW-22	07/09/91	636.30	638.97	618.60	608.60	21.41	0.50	21.91	18.85	617.45	No	
MW-22	10/08/91	636.30	638.97	618.60	608.60	18.94	3.40	22.34	17.04	619.26	Yes	
MW-22	01/07/92	636.30	638.97	618.60	608.60	19.20	2.74	21.94	17.15	619.15	Yes	

Table 3
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-22	10/14/92	636.30	638.97	618.60	608.60	19.32	2.74	22.06	17.27	619.03	Yes	
MW-22	06/25/93	636.30	638.97	618.60	608.60	16.97	4.22	21.19	15.25	621.05	Yes	
MW-22	10/28/93	636.30	638.97	618.60	608.60	16.79	5.13	21.92	15.28	621.02	Yes	
MW-22	01/29/94	636.30	638.97	618.60	608.60	20.64	1.40	22.04	18.29	618.01	No	
MW-22	04/27/94	636.30	638.97	618.60	608.60	20.74	1.58	22.32	18.43	617.87	No	
MW-22	07/21/94	636.30	638.97	618.60	608.60	18.96	3.00	21.96	16.97	619.33	Yes	
MW-22	10/25/94	636.30	638.97	618.60	608.60	19.77	2.08	21.85	17.57	618.73	Yes	
MW-22	02/01/95	636.30	638.97	618.60	608.60	21.15	1.17	22.32	18.74	617.56	No	
MW-22	04/04/95	636.30	638.97	618.60	608.60	21.80	1.18	22.98	19.40	616.90	No	
MW-22	07/12/95	636.30	638.97	618.60	608.60	20.90	0.78	21.68	18.41	617.89	No	
MW-22	11/14/95	636.30	638.97	618.60	608.60	19.55	1.00	20.55	17.11	619.19	Yes	
MW-22	03/13/96	636.30	638.97	618.60	608.60	21.34	1.44	22.78	19.00	617.30	No	
MW-22	10/08/96	636.30	638.97	618.60	608.60	18.30	2.42	20.72	16.18	620.12	Yes	
MW-22	04/29/97	636.30	638.97	618.60	608.60	17.60	2.00	19.60	15.38	620.92	Yes	
MW-22	06/10/97	636.30	638.97	618.60	608.60	18.75	2.40	21.15	16.62	619.68	Yes	
MW-22	11/03/98	636.30	638.97	618.60	608.60	21.79	0.64	22.43	19.26	617.04	No	
MW-22	03/02/99	636.30	638.97	618.60	608.60	21.85	1.45	23.30	19.51	616.79	No	
MW-22	10/07/99	636.30	638.97	618.60	608.60	18.62	0.20	18.82	16.00	620.30	Yes	
MW-22	11/09/99	636.30	638.97	618.60	608.60	18.52	0.05	18.57	15.86	620.44	Yes	bailed <0.1 gal. FP
MW-22	12/21/99	636.30	638.97	618.60	608.60	18.36	0.06	18.42	15.70	620.60	Yes	
MW-22	01/27/00	636.30	638.97	618.60	608.60	20.60	1.34	21.94	18.23	618.07	No	bailed 0.3 gal. FP
MW-22	02/24/00	636.30	638.97	618.60	608.60	21.10	0.83	21.93	18.62	617.68	No	bailed 0.2 gal. FP
MW-22	03/31/00	636.30	638.97	618.60	608.60	21.34	0.32	21.66	18.74	617.56	No	bailed 0.12 gal. FP
MW-22	04/20/00	636.30	638.97	618.60	608.60	21.08	1.06	22.14	18.65	617.65	No	bailed 0.5 gal. FP
MW-22	04/26/00	636.30	638.97	618.60	608.60	20.97	0.43	21.40	18.40	617.90	No	bailed 0.25 gal. FP
MW-22	05/31/00	636.30	638.97	618.60	608.60	21.07	0.29	21.36	18.47	617.83	No	bailed 0.125 gal. FP
MW-22	06/29/00	636.30	638.97	618.60	608.60	20.88	0.26	21.14	18.27	618.03	No	bailed 0.1 gal. FP
MW-22	07/26/00	636.30	638.97	618.60	608.60	20.95	0.25	21.20	18.34	617.96	No	bailed <0.1 gal. FP
MW-22	08/18/00	636.30	638.97	618.60	608.60	21.06	0.23	21.29	18.44	617.86	No	bailed 0.125 gal. FP
MW-22	09/27/00	636.30	638.97	618.60	608.60	21.69	0.36	22.05	19.10	617.20	No	bailed <0.05 gal. FP
MW-22	10/11/00	636.30	638.97	618.60	608.60	21.57	0.03	21.60	18.91	617.39	No	
MW-22	11/17/00	636.30	638.97	618.60	608.60	21.62	0.86	22.48	19.14	617.16	No	bailed 0.5 gal. FP
MW-22	12/12/00	636.30	638.97	618.60	608.60	21.30	0.51	21.81	18.75	617.55	No	bailed 0.25 gal. FP
MW-22	01/18/01	636.30	638.97	618.60	608.60	21.71	0.57	22.28	19.17	617.13	No	bailed 0.25 gal. FP
MW-22	04/24/01	636.30	638.97	618.60	608.60	21.80	1.59	23.39	19.49	616.81	No	product abated using vactruck
MW-22	05/23/01	636.30	638.97	618.60	608.60	20.78	1.26	22.04	18.39	617.91	No	no product bailed
MW-22	06/19/01	636.30	638.97	618.60	608.60	20.56	1.17	21.73	18.15	618.15	No	
MW-22	07/26/01	636.30	638.97	618.60	608.60	21.04	0.98	22.02	18.59	617.71	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-22	08/31/01	636.30	638.97	618.60	608.60	21.37	0.67	22.04	18.85	617.45	No	
MW-22	09/26/01	636.30	638.97	618.60	608.60	21.44	0.46	21.90	18.87	617.43	No	
MW-22	10/24/01	636.30	638.97	618.60	608.60	21.50	0.40	21.90	18.92	617.38	No	
MW-22	12/20/01	636.30	638.97	618.60	608.60	21.95	1.39	23.34	19.59	616.71	No	
MW-22	01/22/02	636.30	638.97	618.60	608.60	21.64	2.08	23.72	19.44	616.86	No	
MW-22	02/26/02	636.30	638.97	618.60	608.60	22.05	2.34	24.39	19.91	616.39	No	
MW-22	03/20/02	636.30	638.97	618.60	608.60	22.20	2.56	24.76	20.11	616.19	No	
MW-22	04/24/02	636.30	638.97	618.60	608.60	21.51	3.78	25.29	19.69	616.61	No	
MW-22	05/15/02	636.30	638.97	618.60	608.60	21.32	3.00	24.32	19.33	616.97	No	
MW-22	06/27/02	636.30	638.97	618.60	608.60	21.70	2.15	23.85	19.52	616.78	No	
MW-22	07/25/02	636.30	638.97	618.60	608.60	21.46	2.08	23.54	19.26	617.04	No	
MW-22	08/20/02	636.30	638.97	618.60	608.60	21.59	1.73	23.32	19.31	616.99	No	
MW-22	09/30/02	636.30	638.97	618.60	608.60	21.07	1.37	22.44	18.71	617.59	No	
MW-22	11/05/02	636.30	638.97	618.60	608.60	21.09	0.89	21.98	18.62	617.68	No	
MW-22	12/23/02	636.30	638.97	618.60	608.60	21.71	0.26	21.97	19.10	617.20	No	
MW-22	01/28/03	636.30	638.97	618.60	608.60	21.99	1.34	23.33	19.62	616.68	No	
MW-22	02/19/03	636.30	638.97	618.60	608.60	22.04	1.64	23.68	19.74	616.56	No	
MW-22	04/17/03	636.30	638.97	618.60	608.60	22.35	2.70	25.05	20.29	616.01	No	
MW-22	05/15/03	636.30	638.97	618.60	608.60	22.71	2.56	25.27	20.62	615.68	No	
MW-22	06/10/03	636.30	638.97	618.60	608.60	22.36	2.31	24.67	20.21	616.09	No	
MW-22	10/23/03	636.30	638.97	618.60	608.60	22.44	2.53	24.97	20.34	615.96	No	
MW-22	12/03/03	636.30	638.97	618.60	608.60	22.53	2.81	25.34	20.49	615.81	No	
MW-22	04/19/04	636.32	639.10	618.60	608.60	23.09	3.81	26.90	21.17	615.15	No	
MW-22	07/28/04	636.32	639.10	618.60	608.60	22.49	1.92	24.41	20.14	616.18	No	
MW-22	11/15/04	636.32	639.10	618.60	608.60	21.87	1.25	23.12	19.37	616.95	No	
MW-22	04/18/05	636.32	639.10	618.60	608.60	22.13	1.97	24.10	19.79	616.53	No	
MW-22	09/09/05	636.32	639.10	618.60	608.60	21.69	0.68	22.37	19.06	617.26	No	
MW-22	05/23/06	636.32	639.10	618.60	608.60	20.88	1.11	21.99	18.35	617.97	No	
MW-22	10/16/06	636.32	639.10	618.60	608.60	21.72	1.11	22.83	19.19	617.13	No	
MW-22	04/23/07	636.32	639.10	618.60	608.60	22.54	2.49	25.03	20.32	616.00	No	
MW-22	09/25/07	636.32	639.10	618.60	608.60	22.37	2.28	24.65	20.10	616.22	No	
MW-22	05/01/08	636.32	639.10	618.60	608.60	21.52	1.26	22.78	19.02	617.30	No	
MW-22	10/20/08	636.32	639.10	618.60	608.60	20.26	0.36	20.62	17.56	618.76	Yes	
MW-22	04/18/09	636.32	639.10	618.60	608.60	21.11	0.43	21.54	18.43	617.89	No	
MW-22	10/11/09	636.32	639.10	618.60	608.60	21.64	0.48	22.12	18.97	617.35	No	
MW-22	04/28/10	636.32	639.10	618.60	608.60	21.58	0.98	22.56	19.02	617.30	No	
MW-22	10/25/10	636.32	639.10	618.60	608.60	19.32	1.13	20.45	16.80	619.52	Yes	
MW-22	04/25/11	636.32	639.10	618.60	608.60	20.64	0.98	21.62	18.08	618.24	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-22	08/03/11	636.32	639.10	618.60	608.60	19.17	0.96	20.13	16.61	619.71	Yes	
MW-22	10/10/11	636.32	639.10	618.60	608.60	20.22	0.17	20.39	17.48	618.84	Yes	
MW-22	01/04/12	636.32	639.10	618.60	608.60	21.51	0.49	22.00	18.84	617.48	No	
MW-22	04/05/12	636.32	639.10	618.60	608.60	22.26	1.15	23.41	19.74	616.58	No	Spill Buddy Before Reading
MW-22	04/05/12	636.32	639.10	618.60	608.60	22.48	0.32	22.80	19.77	616.55	No	Spill Buddy After Reading
MW-22	04/16/12	636.32	639.10	618.60	608.60	22.44	1.24	23.68	19.94	616.38	No	
MW-22	06/18/12	636.32	639.10	618.60	608.60	20.85	0.77	21.62	18.24	618.08	No	
MW-22	06/26/12	636.32	639.10	618.60	608.60	20.44	0.66	21.10	17.81	618.51	No	
MW-22	09/30/12	636.32	639.10	618.60	608.60	21.32	0.73	22.05	18.70	617.62	No	
MW-22	11/21/12	636.32	639.10	618.60	608.60	21.88	0.07	21.95	19.12	617.20	No	
MW-22	12/17/12	636.32	639.10	618.60	608.60	22.12	0.18	22.30	19.38	616.94	No	
MW-22	03/25/13	636.32	639.10	618.60	608.60	22.28	2.47	24.75	20.06	616.26	No	
MW-22	05/05/13	636.32	639.10	618.60	608.60	22.32	2.78	25.10	20.17	616.15	No	
MW-22	10/03/13	636.32	639.10	618.60	608.60	22.08	1.02	23.10	19.53	616.79	No	
MW-22	05/22/14	636.32	639.10	618.60	608.60	20.34	1.77	22.11	17.96	618.36	No	
MW-22	10/31/14	636.32	639.10	618.60	608.60	20.16	0.77	20.93	17.55	618.77	Yes	
MW-22	05/06/15	636.32	639.10	618.60	608.60	21.99	0.04	22.03	19.22	617.10	No	
MW-22	10/05/15	636.32	639.10	618.60	608.60	20.35	0.09	20.44	17.59	618.73	Yes	
MW-22	05/23/16	636.32	639.10	618.60	608.60	17.82	0.07	17.89	15.06	621.26	Yes	
MW-22	10/03/16	636.32	639.10	618.60	608.60	18.92	0.10	19.02	16.16	620.16	Yes	
MW-22	06/14/17	636.32	639.10	618.60	608.60	18.00	0.10	18.10	15.24	621.08	Yes	
MW-22	06/21/17	636.32	639.10	618.60	608.60	18.36	0.13	18.49	15.61	620.71	Yes	
MW-22	06/22/17	636.32	639.10	618.60	608.60	18.23	0.10	18.33	15.47	620.85	Yes	
MW-22	06/23/17	636.32	639.10	618.60	608.60	18.32	0.11	18.43	15.56	620.76	Yes	
MW-22	05/26/20	636.32	639.10	618.60	608.60	19.42	0.26	19.68	16.70	619.62	Yes	
MW-22	05/24/21	636.32	639.10	618.60	608.60	19.75	0.31	20.06	17.04	619.28	Yes	
MW-23	06/30/89	633.90	636.81	624.70	609.70	17.07	3.20	20.27	14.88	619.02	No	
MW-23	07/12/89	633.90	636.81	624.70	609.70	15.08	2.50	17.58	12.73	621.17	No	
MW-23	07/26/89	633.90	636.81	624.70	609.70	17.81	2.73	20.54	15.52	618.38	No	
MW-23	07/27/89	633.90	636.81	624.70	609.70	17.83	2.77	20.60	15.55	618.35	No	
MW-23	09/03/89	633.90	636.81	624.70	609.70	17.95	3.72	21.67	15.88	618.02	No	
MW-23	11/16/89	633.90	636.81	624.70	609.70	17.20	5.15	22.35	15.45	618.45	No	
MW-23	11/29/89	633.90	636.81	624.70	609.70	17.55	3.98	21.53	15.54	618.36	No	
MW-23	12/01/89	633.90	636.81	624.70	609.70	18.20	2.27	20.47	15.80	618.10	No	
MW-23	12/02/89	633.90	636.81	624.70	609.70	18.41	1.41	19.82	15.82	618.08	No	
MW-23	05/04/90	633.90	636.81	624.70	609.70	18.03	4.26	22.29	16.08	617.82	No	
MW-23	06/01/90	633.90	636.81	624.70	609.70	17.35	3.65	21.00	15.26	618.64	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-23	06/19/90	633.90	636.81	624.70	609.70	17.49	3.37	20.86	15.34	618.56	No	
MW-23	06/27/90	633.90	636.81	624.70	609.70	17.78	3.28	21.06	15.61	618.29	No	
MW-23	07/05/90	633.90	636.81	624.70	609.70	18.10	3.43	21.53	15.96	617.94	No	
MW-23	07/13/90	633.90	636.81	624.70	609.70	18.02	3.65	21.67	15.93	617.97	No	
MW-23	07/17/90	633.90	636.81	624.70	609.70	17.78	3.57	21.35	15.68	618.22	No	
MW-23	07/25/90	633.90	636.81	624.70	609.70	18.10	3.79	21.89	16.05	617.85	No	
MW-23	08/09/90	633.90	636.81	624.70	609.70	20.68	2.65	23.33	18.37	615.53	No	
MW-23	08/27/90	633.90	636.81	624.70	609.70	18.29	3.71	22.00	16.22	617.68	No	
MW-23	09/06/90	633.90	636.81	624.70	609.70	17.75	3.07	20.82	15.53	618.37	No	
MW-23	01/04/91	633.90	636.81	624.70	609.70	17.84	2.56	20.40	15.51	618.39	No	
MW-23	01/30/91	633.90	636.81	624.70	609.70	18.05	3.18	21.23	15.86	618.04	No	
MW-23	04/24/91	633.90	636.81	624.70	609.70	17.18	3.78	20.96	15.12	618.78	No	
MW-23	06/06/91	633.90	636.81	624.70	609.70	15.11	4.67	19.78	13.25	620.65	No	
MW-23	07/09/91	633.90	636.81	624.70	609.70	13.76	5.93	19.69	12.19	621.71	No	
MW-23	08/06/91	633.90	636.81	624.70	609.70	12.87	7.10	19.97	11.56	622.34	No	
MW-23	09/04/91	633.90	636.81	624.70	609.70	13.93	6.02	19.95	12.38	621.52	No	
MW-23	10/08/91	633.90	636.81	624.70	609.70	13.10	6.60	19.70	11.68	622.22	No	
MW-23	11/08/91	633.90	636.81	624.70	609.70	14.32	5.15	19.47	12.57	621.33	No	
MW-23	12/03/91	633.90	636.81	624.70	609.70	10.40	10.15	20.55	9.78	624.12	No	
MW-23	01/07/92	633.90	636.81	624.70	609.70	13.27	7.60	20.87	12.08	621.82	No	
MW-23	02/04/92	633.90	636.81	624.70	609.70	15.40	4.54	19.94	13.52	620.38	No	
MW-23	03/03/92	633.90	636.81	624.70	609.70	15.45	5.75	21.20	13.84	620.06	No	
MW-23	09/24/92	633.90	636.81	624.70	609.70	13.02	6.61	19.63	11.60	622.30	No	
MW-23	10/14/92	633.90	636.81	624.70	609.70	14.23	5.64	19.87	12.59	621.31	No	
MW-23	06/25/93	633.90	636.81	624.70	609.70	9.77	9.74	19.51	9.06	624.84	Yes	
MW-23	10/28/93	633.90	636.81	624.70	609.70	15.31	4.55	19.86	13.43	620.47	No	
MW-23	01/29/94	633.90	636.81	624.70	609.70	16.32	3.70	20.02	14.25	619.65	No	
MW-23	04/27/94	633.90	636.81	624.70	609.70	13.99	6.34	20.33	12.51	621.39	No	
MW-23	07/21/94	633.90	636.81	624.70	609.70	13.72	5.86	19.58	12.13	621.77	No	
MW-23	10/25/94	633.90	636.81	624.70	609.70	13.84	6.49	20.33	12.40	621.50	No	
MW-23	02/01/95	633.90	636.81	624.70	609.70	17.28	2.53	19.81	14.94	618.96	No	
MW-23	04/04/95	633.90	636.81	624.70	609.70	17.60	2.65	20.25	15.29	618.61	No	
MW-23	11/13/95	633.90	636.81	624.70	609.70	13.05	6.90	19.95	11.70	622.20	No	
MW-23	10/08/96	633.90	636.81	624.70	609.70	12.78	6.47	19.25	11.33	622.57	No	
MW-23	04/29/97	633.90	636.81	624.70	609.70	10.25	9.20	19.45	9.42	624.48	No	
MW-23	06/10/97	633.90	636.81	624.70	609.70	13.45	5.40	18.85	11.76	622.14	No	FP bailed 5/22/97
MW-23	11/03/98	633.90	636.81	624.70	609.70	16.05	5.16	21.21	14.31	619.59	No	
MW-23	03/02/99	633.90	636.81	624.70	609.70	16.91	4.04	20.95	14.91	618.99	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-23	10/07/99	633.90	636.81	624.70	609.70	12.44	5.61	18.05	10.80	623.10	No	
MW-23	11/09/99	633.90	636.81	624.70	609.70	11.95	6.75	18.70	10.56	623.34	No	bailed 3 gal. FP
MW-23	12/21/99	633.90	636.81	624.70	609.70	14.55	4.45	19.00	12.65	621.25	No	bailed 8 gal. FP
MW-23	01/27/00	633.90	636.81	624.70	609.70	17.32	1.58	18.90	14.77	619.13	No	bailed 0.4 gal. FP
MW-23	02/24/00	633.90	636.81	624.70	609.70	17.64	1.32	18.96	15.03	618.87	No	bailed 0.25 gal. FP
MW-23	03/31/00	633.90	636.81	624.70	609.70	15.70	4.07	19.77	13.71	620.19	No	bailed 2 gal. FP
MW-23	04/20/00	633.90	636.81	624.70	609.70	13.18	7.37	20.55	11.93	621.97	No	bailed 6 gal. FP
MW-23	04/26/00	633.90	636.81	624.70	609.70	15.82	3.18	19.00	13.63	620.27	No	bailed 2 gal. FP
MW-23	05/31/00	633.90	636.81	624.70	609.70	16.20	2.58	18.78	13.87	620.03	No	bailed 3 gal. FP
MW-23	06/29/00	633.90	636.81	624.70	609.70	15.15	3.60	18.75	13.05	620.85	No	bailed 1 gal. FP
MW-23	07/26/00	633.90	636.81	624.70	609.70	16.02	2.84	18.86	13.75	620.15	No	bailed 1 gal. FP
MW-23	08/18/00	633.90	636.81	624.70	609.70	16.55	2.50	19.05	14.20	619.70	No	bailed 1 gal. FP
MW-23	09/27/00	633.90	636.81	624.70	609.70	17.41	2.12	19.53	14.98	618.92	No	bailed 1.25 gal. FP
MW-23	10/11/00	633.90	636.81	624.70	609.70	17.60	1.75	19.35	15.09	618.81	No	bailed .25 gal. FP
MW-23	11/17/00	633.90	636.81	624.70	609.70	14.98	5.33	20.31	13.27	620.63	No	bailed 4.25 gal. FP
MW-23	12/12/00	633.90	636.81	624.70	609.70	15.11	4.98	20.09	13.32	620.58	No	bailed 2.5 gal. FP
MW-23	01/18/01	633.90	636.81	624.70	609.70	15.51	4.92	20.43	13.71	620.19	No	bailed 2.75 gal. FP
MW-23	04/24/01	633.90	636.81	624.70	609.70	16.16	3.46	19.62	14.03	619.87	No	product abated using vactruck
MW-23	05/23/01	633.90	636.81	624.70	609.70	13.73	5.82	19.55	12.13	621.77	No	no product bailed
MW-23	06/19/01	633.90	636.81	624.70	609.70	14.77	4.47	19.24	12.87	621.03	No	
MW-23	07/26/01	633.90	636.81	624.70	609.70	16.99	2.36	19.35	14.61	619.29	No	
MW-23	08/31/01	633.90	636.81	624.70	609.70	16.99	2.69	19.68	14.69	619.21	No	
MW-23	09/26/01	633.90	636.81	624.70	609.70	17.59	2.01	19.60	15.13	618.77	No	
MW-23	10/24/01	633.90	636.81	624.70	609.70	17.16	2.70	19.86	14.86	619.04	No	
MW-23	12/20/01	633.90	636.81	624.70	609.70	17.90	2.43	20.33	15.54	618.36	No	
MW-23	01/22/02	633.90	636.81	624.70	609.70	17.89	2.01	19.90	15.43	618.47	No	
MW-23	02/26/02	633.90	636.81	624.70	609.70	18.32	2.89	21.21	16.06	617.84	No	
MW-23	03/20/02	633.90	636.81	624.70	609.70	18.45	3.10	21.55	16.24	617.66	No	
MW-23	04/24/02	633.90	636.81	624.70	609.70	17.33	2.73	20.06	15.04	618.86	No	
MW-23	05/15/02	633.90	636.81	624.70	609.70	16.47	2.99	19.46	14.24	619.66	No	
MW-23	06/27/02	633.90	636.81	624.70	609.70	16.97	2.52	19.49	14.63	619.27	No	
MW-23	07/25/02	633.90	636.81	624.70	609.70	17.23	1.94	19.17	14.76	619.14	No	
MW-23	08/20/02	633.90	636.81	624.70	609.70	17.44	1.95	19.39	14.97	618.93	No	
MW-23	09/30/02	633.90	636.81	624.70	609.70	16.65	2.05	18.70	14.20	619.70	No	
MW-23	11/05/02	633.90	636.81	624.70	609.70	15.29	4.37	19.66	13.37	620.53	No	
MW-23	12/23/02	633.90	636.81	624.70	609.70	17.69	1.78	19.47	15.18	618.72	No	
MW-23	01/28/03	633.90	636.81	624.70	609.70	18.18	1.94	20.12	15.71	618.19	No	
MW-23	02/19/03	633.90	636.81	624.70	609.70	18.31	2.64	20.95	16.00	617.90	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-23	04/17/03	633.90	636.81	624.70	609.70	18.63	3.61	22.24	16.54	617.36	No	
MW-23	05/15/03	633.90	636.81	624.70	609.70	18.42	3.58	22.00	16.32	617.58	No	
MW-23	06/10/03	633.90	636.81	624.70	609.70	18.10	2.32	20.42	15.71	618.19	No	
MW-23	10/23/03	633.90	636.81	624.70	609.70	18.46	3.32	21.78	16.30	617.60	No	
MW-23	12/03/03	633.90	636.81	624.70	609.70	18.58	3.58	22.16	16.48	617.42	No	
MW-23	04/19/04	635.07	636.91	624.70	609.70	18.89	3.75	22.64	17.90	617.17	No	
MW-23	07/28/04	635.07	636.91	624.70	609.70	17.95	2.15	20.10	16.60	618.47	No	
MW-23	11/15/04	635.07	636.91	624.70	609.70	16.31	3.23	19.54	15.20	619.87	No	
MW-23	04/18/05	635.07	636.91	624.70	609.70	16.59	3.89	20.48	15.63	619.44	No	
MW-23	09/09/05	635.07	636.91	624.70	609.70	17.85	1.40	19.25	16.33	618.74	No	
MW-23	10/11/05	635.07	636.91	624.70	609.70	16.07	4.22	20.29	15.18	619.89	No	
MW-23	05/23/06	635.07	636.91	624.70	609.70	15.63	2.66	18.29	14.39	620.68	No	
MW-23	10/16/06	635.07	636.91	624.70	609.70	17.59	1.53	19.12	16.10	618.97	No	
MW-23	04/23/07	635.07	636.91	624.70	609.70	18.25	3.31	21.56	17.16	617.91	No	
MW-23	09/25/07	635.07	636.91	624.70	609.70	17.93	3.27	21.20	16.83	618.24	No	
MW-23	05/01/08	635.07	636.91	624.70	609.70	15.32	3.84	19.16	14.35	620.72	No	
MW-23	10/20/08	635.07	636.91	624.70	609.70	12.98	6.13	19.11	12.52	622.55	No	
MW-23	04/18/09	635.07	636.91	624.70	609.70	15.02	4.13	19.15	14.11	620.96	No	
MW-23	10/11/09	635.07	636.91	624.70	609.70	17.82	0.52	18.34	16.10	618.97	No	
MW-23	04/28/10	635.07	636.91	624.70	609.70	17.22	1.04	18.26	15.61	619.46	No	
MW-23	10/25/10	635.07	636.91	624.70	609.70	14.84	2.69	17.53	13.61	621.46	No	
MW-23	04/25/11	635.07	636.91	624.70	609.70	15.62	2.62	18.24	14.37	620.70	No	
MW-23	08/03/11	635.07	636.91	624.70	609.70	14.29	3.38	17.67	13.21	621.86	No	
MW-23	10/10/11	635.07	636.91	624.70	609.70	16.41	1.13	17.54	14.83	620.24	No	
MW-23	01/04/12	635.07	636.91	624.70	609.70	17.95	0.51	18.46	16.23	618.84	No	
MW-23	04/05/12	635.07	636.91	624.70	609.70	18.21	2.08	20.29	16.84	618.23	No	Spill Buddy Before Reading
MW-23	04/05/12	635.07	636.91	624.70	609.70	19.55	0.05	19.60	17.72	617.35	No	Spill Buddy After Reading
MW-23	04/16/12	635.07	636.91	624.70	609.70	17.88	1.73	19.61	16.43	618.64	No	
MW-23	06/26/12	635.07	636.91	624.70	609.70	14.11	3.82	17.93	13.13	621.94	No	
MW-23	07/11/12	635.07	636.91	624.70	609.70	13.95	3.90	17.85	12.99	622.08	No	Spill Buddy Before Reading
MW-23	07/11/12	635.07	636.91	624.70	609.70	17.00	0.23	17.23	15.21	619.86	No	Spill Buddy After Reading
MW-23	08/09/12	635.07	636.91	624.70	609.70	16.72	0.98	17.70	15.10	619.97	No	Spill Buddy Before Reading
MW-23	08/09/12	635.07	636.91	624.70	609.70	17.40	0.15	17.55	15.59	619.48	No	Spill Buddy After Reading
MW-23	09/29/12	635.07	636.91	624.70	609.70	17.95	0.50	18.45	16.22	618.85	No	Spill buddy not working
MW-23	09/30/12	635.07	636.91	624.70	609.70	17.88	0.50	18.38	16.15	618.92	No	
MW-23	11/17/12	635.07	636.91	624.70	609.70	18.18	1.35	19.53	16.64	618.43	No	
MW-23	03/25/13	635.07	636.91	624.70	609.70	18.68	3.09	21.77	17.54	617.53	No	
MW-23	05/05/13	635.07	636.91	624.70	609.70	18.23	2.33	20.56	16.92	618.15	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-23	10/03/13	635.07	636.91	624.70	609.70	18.13	1.48	19.61	16.62	618.45	No	
MW-23	05/22/14	635.07	636.91	624.70	609.70	14.01	2.18	16.19	12.66	622.41	No	
MW-23	10/31/14	635.07	636.91	624.70	609.70	15.17	3.74	18.91	14.17	620.90	No	
MW-23	05/06/15	635.07	636.91	624.70	609.70	17.86	1.04	18.90	16.25	618.82	No	
MW-23	10/05/15	635.07	636.91	624.70	609.70	13.50	5.10	18.60	12.81	622.26	No	
MW-23	05/23/16	635.07	636.91	624.70	609.70	11.52	6.40	17.92	11.13	623.94	No	
MW-23	10/03/16	635.07	636.91	624.70	609.70	13.55	4.30	17.85	12.68	622.39	No	
MW-23	06/14/17	635.07	636.91	624.70	609.70	11.45	6.51	17.96	11.08	623.99	No	
MW-23	06/21/17	635.07	636.91	624.70	609.70	12.22	5.72	17.94	11.67	623.40	No	
MW-23	06/22/17	635.07	636.91	624.70	609.70	12.10	5.80	17.90	11.57	623.50	No	
MW-23	06/23/17	635.07	636.91	624.70	609.70	13.06	2.19	15.25	11.71	623.36	No	
MW-23	10/26/17	635.07	636.91	624.70	609.70	9.42	8.29	17.71	9.45	625.62	Yes	
MW-23	05/26/20	635.07	636.91	624.70	609.70	11.41	8.18	19.59	11.42	623.65	No	
MW-23	04/29/21	635.07	636.91	624.70	609.70	12.86	2.40	15.26	11.56	623.51	No	Bailed 1.5 gallons
MW-23	05/06/21	635.07	636.91	624.70	609.70	13.53	0.99	14.52	11.91	623.16	No	Bailed 0.5 gallons
MW-23	05/13/21	635.07	636.91	624.70	609.70	14.00	0.55	14.55	12.28	622.79	No	Bailed 0.1 gallons
MW-23	05/19/21	635.07	636.91	624.70	609.70	14.25	0.67	14.92	12.56	622.51	No	Bailed 0.2 gallons
MW-23	05/24/21	635.07	636.91	624.70	609.70	14.11	0.50	14.61	12.38	622.69	No	
MW-23	05/28/21	635.07	636.91	624.70	609.70	13.97	0.64	14.61	12.27	622.80	No	Bailed 0.1 gallons
MW-23	06/08/21	635.07	636.91	624.70	609.70	14.20	0.63	14.83	12.50	622.57	No	Bailed 0.1 gallons
MW-23	08/31/21	635.07	636.91	624.70	609.70	17.05	0.19	17.24	15.25	619.82	No	
MW-23	08/31/21					well abandoned 8/31						
MW-24	06/30/89	636.10	638.42	625.37	610.37	19.80	5.40	25.20	18.70	617.40	No	
MW-24	07/12/89	636.10	638.42	625.37	610.37	20.39	4.97	25.36	19.19	616.91	No	
MW-24	07/26/89	636.10	638.42	625.37	610.37	20.40	4.83	25.23	19.17	616.93	No	
MW-24	07/27/89	636.10	638.42	625.37	610.37	20.58	4.69	25.27	19.32	616.78	No	
MW-24	09/03/89	636.10	638.42	625.37	610.37	20.81	4.42	25.23	19.49	616.61	No	
MW-24	11/16/89	636.10	638.42	625.37	610.37	20.83	4.52	25.35	19.53	616.57	No	
MW-24	11/29/89	636.10	638.42	625.37	610.37	20.73	4.60	25.33	19.45	616.65	No	
MW-24	12/01/89	636.10	638.42	625.37	610.37	21.18	4.11	25.29	19.79	616.31	No	
MW-24	12/02/89	636.10	638.42	625.37	610.37	21.27	4.05	25.32	19.86	616.24	No	
MW-24	05/04/90	636.10	638.42	625.37	610.37	21.81	3.43	25.24	20.26	615.84	No	
MW-24	06/01/90	636.10	638.42	625.37	610.37	21.05	4.20	25.25	19.68	616.42	No	
MW-24	06/19/90	636.10	638.42	625.37	610.37	20.98	4.22	25.20	19.61	616.49	No	
MW-24	06/27/90	636.10	638.42	625.37	610.37	21.36	3.78	25.14	19.89	616.21	No	
MW-24	07/05/90	636.10	638.42	625.37	610.37	21.80	3.43	25.23	20.25	615.85	No	
MW-24	07/13/90	636.10	638.42	625.37	610.37	21.55	3.63	25.18	20.05	616.05	No	
MW-24	07/17/90	636.10	638.42	625.37	610.37	21.22	3.93	25.15	19.79	616.31	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-24	07/25/90	636.10	638.42	625.37	610.37	21.70	3.48	25.18	20.17	615.93	No	
MW-24	08/09/90	636.10	638.42	625.37	610.37	21.46	3.74	25.20	19.98	616.12	No	
MW-24	08/27/90	636.10	638.42	625.37	610.37	21.39	3.78	25.17	19.92	616.18	No	
MW-24	09/06/90	636.10	638.42	625.37	610.37	20.86	4.26	25.12	19.50	616.60	No	
MW-24	01/04/91	636.10	638.42	625.37	610.37	20.47	4.80	25.27	19.23	616.87	No	
MW-24	01/30/91	636.10	638.42	625.37	610.37	20.78	4.47	25.25	19.47	616.63	No	
MW-24	04/24/91	636.10	638.42	625.37	610.37	20.72	4.43	25.15	19.40	616.70	No	
MW-24	07/09/91	636.10	638.42	625.37	610.37	17.27	7.66	24.93	16.68	619.42	No	
MW-24	10/08/91	636.10	638.42	625.37	610.37	15.44	9.60	25.04	15.29	620.81	No	
MW-24	12/03/91	636.10	638.42	625.37	610.37	13.80	11.25	25.05	14.02	622.08	No	
MW-24	01/07/92	636.10	638.42	625.37	610.37	16.58	8.48	25.06	16.18	619.92	No	
MW-24	10/14/92	636.10	638.42	625.37	610.37	16.36	8.78	25.14	16.02	620.08	No	
MW-24	06/25/93	636.10	638.42	625.37	610.37	12.73	12.16	24.89	13.16	622.94	No	
MW-24	10/28/93	636.10	638.42	625.37	610.37	17.58	7.64	25.22	16.99	619.11	No	
MW-24	01/29/94	636.10	638.42	625.37	610.37	18.88	6.36	25.24	18.00	618.10	No	
MW-24	04/27/94	636.10	638.42	625.37	610.37	17.99	7.01	25.00	17.25	618.85	No	
MW-24	07/21/94	636.10	638.42	625.37	610.37	16.35	8.70	25.05	16.00	620.10	No	
MW-24	10/25/94	636.10	638.42	625.37	610.37	16.96	8.13	25.09	16.48	619.62	No	
MW-24	02/01/95	636.10	638.42	625.37	610.37	19.33	5.77	25.10	18.31	617.79	No	
MW-24	04/04/95	636.10	638.42	625.37	610.37	20.32	4.73	25.05	19.07	617.03	No	
MW-24	07/12/95	636.10	638.42	625.37	610.37	18.84	6.11	24.95	17.90	618.20	No	
MW-24	10/08/96	636.10	638.42	625.37	610.37	15.34	9.64	24.98	15.20	620.90	No	
MW-24	03/13/97	636.10	638.42	625.37	610.37	19.60	5.45	25.05	18.51	617.59	No	
MW-24	04/29/97	636.10	638.42	625.37	610.37	13.65	11.17	24.82	13.85	622.25	No	
MW-24	06/10/97	636.10	638.42	625.37	610.37	15.85	8.90	24.75	15.54	620.56	No	FP bailed 5/22/97
MW-24	11/03/98	636.10	638.42	625.37	610.37	19.74	5.30	25.04	18.62	617.48	No	
MW-24	03/02/99	636.10	638.42	625.37	610.37	20.24	4.86	25.10	19.02	617.08	No	
MW-24	10/07/99	636.10	638.42	625.37	610.37	15.32	9.35	24.67	15.11	620.99	No	
MW-24	11/09/99	636.10	638.42	625.37	610.37	14.97	9.66	24.63	14.83	621.27	No	bailed 6 gal. FP
MW-24	12/21/99	636.10	638.42	625.37	610.37	17.30	7.45	24.75	16.66	619.44	No	bailed 10 gal. FP
MW-24	01/27/00	636.10	638.42	625.37	610.37	19.20	5.43	24.63	18.11	617.99	No	bailed 1 gal. FP
MW-24	02/24/00	636.10	638.42	625.37	610.37	19.71	4.91	24.62	18.50	617.60	No	bailed 5 gal. FP
MW-24	03/31/00	636.10	638.42	625.37	610.37	19.36	4.99	24.35	18.17	617.93	No	bailed 4 gal. FP
MW-24	04/20/00	636.10	638.42	625.37	610.37	18.02	9.84	27.86	17.92	618.18	No	bailed 6.75 gal. FP
MW-24	04/26/00	636.10	638.42	625.37	610.37	18.77	5.55	24.32	17.70	618.40	No	bailed 4 gal. FP
MW-24	05/31/00	636.10	638.42	625.37	610.37	18.90	5.42	24.32	17.80	618.30	No	bailed 6 gal. FP
MW-24	06/29/00	636.10	638.42	625.37	610.37	18.55	5.40	23.95	17.45	618.65	No	bailed 2.5 gal. FP
MW-24	07/26/00	636.10	638.42	625.37	610.37	18.98	5.13	24.11	17.82	618.28	No	bailed 3 gal. FP

Table 3
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Former Amoco Terminal
Superior, Wisconsin

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MW-24	08/18/00	636.10	638.42	625.37	610.37	19.21	5.16	24.37	18.06	618.04	No	bailed 4 gal. FP
MW-24	09/27/00	636.10	638.42	625.37	610.37	20.08	4.50	24.58	18.78	617.32	No	bailed 4 gal. FP
MW-24	10/11/00	636.10	638.42	625.37	610.37	20.37	3.07	23.44	18.74	617.36	No	bailed 2.5 gal. FP
MW-24	11/17/00	636.10	638.42	625.37	610.37	19.86	3.55	23.41	18.34	617.76	No	bailed 4 gal. FP
MW-24	12/12/00	636.10	638.42	625.37	610.37	20.00	1.52	21.52	18.02	618.08	No	bailed 2 gal. FP
MW-24	01/18/01	636.10	638.42	625.37	610.37	20.39	1.60	21.99	18.43	617.67	No	bailed 1.75 gal. FP
MW-24	04/24/01	636.10	638.42	625.37	610.37	20.00	3.40	23.40	18.45	617.65	No	product abated using vactruck
MW-24	05/23/01	636.10	638.42	625.37	610.37	18.61	4.79	23.40	17.37	618.73	No	no product bailed
MW-24	06/19/01	636.10	638.42	625.37	610.37	18.55	4.23	22.78	17.19	618.91	No	
MW-24	07/26/01	636.10	638.42	625.37	610.37	19.61	4.22	23.83	18.24	617.86	No	
MW-24	08/31/01	636.10	638.42	625.37	610.37	19.67	4.76	24.43	18.43	617.67	No	
MW-24	09/26/01	636.10	638.42	625.37	610.37	19.93	4.36	24.29	18.59	617.51	No	
MW-24	10/24/01	636.10	638.42	625.37	610.37	19.77	4.55	24.32	18.48	617.62	No	
MW-24	12/20/01	636.10	638.42	625.37	610.37	20.10	4.52	24.62	18.80	617.30	No	
MW-24	01/22/02	636.10	638.42	625.37	610.37	20.43	4.20	24.63	19.06	617.04	No	
MW-24	02/26/02	636.10	638.42	625.37	610.37	21.19	3.50	24.69	19.66	616.44	No	
MW-24	03/20/02	636.10	638.42	625.37	610.37	21.45	3.35	24.80	19.89	616.21	No	
MW-24	04/24/02	636.10	638.42	625.37	610.37	20.12	4.23	24.35	18.76	617.34	No	
MW-24	05/15/02	636.10	638.42	625.37	610.37	19.32	4.72	24.04	18.07	618.03	No	
MW-24	06/27/02	636.10	638.42	625.37	610.37	19.56	4.79	24.35	18.32	617.78	No	
MW-24	07/25/02	636.10	638.42	625.37	610.37	19.49	4.85	24.34	18.27	617.83	No	
MW-24	08/20/02	636.10	638.42	625.37	610.37	19.46	4.83	24.29	18.23	617.87	No	
MW-24	09/30/02	636.10	638.42	625.37	610.37	18.52	5.63	24.15	17.47	618.63	No	
MW-24	11/05/02	636.10	638.42	625.37	610.37	18.08	6.32	24.40	17.19	618.91	No	
MW-24	12/23/02	636.10	638.42	625.37	610.37	19.89	5.06	24.95	18.71	617.39	No	
MW-24	01/28/03	636.10	638.42	625.37	610.37	20.61	4.26	24.87	19.25	616.85	No	
MW-24	02/19/03	636.10	638.42	625.37	610.37	21.03	3.85	24.88	19.58	616.52	No	
MW-24	04/17/03	636.10	638.42	625.37	610.37	21.81	3.03	24.84	20.17	615.93	No	
MW-24	05/15/03	636.10	638.42	625.37	610.37	21.71	3.13	24.84	20.10	616.00	No	
MW-24	06/10/03	636.10	638.42	625.37	610.37	21.04	3.62	24.66	19.54	616.56	No	
MW-24	10/23/03	636.10	638.42	625.37	610.37	21.35	3.42	24.77	19.80	616.30	No	
MW-24	12/03/03	636.10	638.42	625.37	610.37	21.55	3.30	24.85	19.98	616.12	No	
MW-24	04/19/04	636.19	638.55	625.37	610.37	22.27	2.77	25.04	20.54	615.65	No	
MW-24	07/28/04	636.19	638.55	625.37	610.37	20.63	3.91	24.54	19.15	617.04	No	
MW-24	11/15/04	636.19	638.55	625.37	610.37	19.29	4.86	24.15	18.03	618.16	No	
MW-24	04/18/05	636.19	638.55	625.37	610.37	19.72	4.74	24.46	18.43	617.76	No	
MW-24	09/09/05	636.19	638.55	625.37	610.37	20.02	4.46	24.48	18.67	617.52	No	
MW-24	10/11/05	636.19	638.55	625.37	610.37	19.21	4.81	24.02	17.94	618.25	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-24	05/23/06	636.19	638.55	625.37	610.37	17.86	6.35	24.21	16.93	619.26	No	
MW-24	10/16/06	636.19	638.55	625.37	610.37	19.96	4.73	24.69	18.67	617.52	No	
MW-24	04/23/07	636.19	638.55	625.37	610.37	21.44	3.48	24.92	19.87	616.32	No	
MW-24	09/25/07	636.19	638.55	625.37	610.37	21.38	3.24	24.62	19.75	616.44	No	
MW-24	05/01/08	636.19	638.55	625.37	610.37	18.94	5.07	24.01	17.73	618.46	No	
MW-24	10/20/08	636.19	638.55	625.37	610.37	16.85	7.24	24.09	16.13	620.06	No	
MW-24	04/18/09	636.19	638.55	625.37	610.37	18.80	5.09	23.89	17.59	618.60	No	
MW-24	10/11/09	636.19	638.55	625.37	610.37	19.74	4.70	24.44	18.44	617.75	No	
MW-24	04/28/10	636.19	638.55	625.37	610.37	19.89	4.25	24.14	18.49	617.70	No	
MW-24	10/25/10	636.19	638.55	625.37	610.37	16.84	7.20	24.04	16.11	620.08	No	
MW-24	04/25/11	636.19	638.55	625.37	610.37	18.52	2.95	21.47	16.83	619.36	No	
MW-24	08/02/11	636.19	638.55	625.37	610.37	15.96	7.63	23.59	15.32	620.87	No	
MW-24	10/10/11	636.19	638.55	625.37	610.37	18.35	5.59	23.94	17.25	618.94	No	
MW-24	01/04/12	636.19	638.55	625.37	610.37	19.97	4.61	24.58	18.65	617.54	No	
MW-24	04/05/12	636.19	638.55	625.37	610.37	21.20	3.44	24.64	19.62	616.57	No	Spill Buddy Before Reading
MW-24	04/05/12	636.19	638.55	625.37	610.37	21.94	0.76	22.70	19.75	616.44	No	Spill Buddy After Reading
MW-24	04/16/12	636.19	638.55	625.37	610.37	21.23	3.25	24.48	19.60	616.59	No	
MW-24	06/18/12	636.19	638.55	625.37	610.37	18.23	5.33	23.56	17.07	619.12	No	Spill Buddy Before Reading
MW-24	06/18/12	636.19	638.55	625.37	610.37	19.47	0.89	20.36	17.31	618.88	No	Spill Buddy After Reading
MW-24	06/26/12	636.19	638.55	625.37	610.37	17.59	4.80	22.39	16.31	619.88	No	
MW-24	07/11/12	636.19	638.55	625.37	610.37	18.07	5.08	23.15	16.86	619.33	No	Spill Buddy Before Reading
MW-24	07/11/12	636.19	638.55	625.37	610.37	19.45	0.34	19.79	17.17	619.02	No	Spill Buddy After Reading
MW-24	08/09/12	636.19	638.55	625.37	610.37	18.95	4.28	23.23	17.56	618.63	No	Spill Buddy Before Reading
MW-24	08/09/12	636.19	638.55	625.37	610.37	20.07	0.64	20.71	17.85	618.34	No	Spill Buddy After Reading
MW-24	09/29/12	636.19	638.55	625.37	610.37	20.32	3.32	23.64	18.71	617.48	No	Spill Buddy Before Reading
MW-24	09/29/12	636.19	638.55	625.37	610.37	21.15	0.37	21.52	18.87	617.32	No	Spill Buddy After Reading
MW-24	09/30/12	636.19	638.55	625.37	610.37	20.49	2.37	22.86	18.67	617.52	No	
MW-24	11/21/12	636.19	638.55	625.37	610.37	20.60	3.15	23.75	18.95	617.24	No	
MW-24	12/17/12	636.19	638.55	625.37	610.37	20.84	3.21	24.05	19.21	616.98	No	
MW-24	03/25/13	636.19	638.55	625.37	610.37	22.22	2.10	24.32	20.33	615.86	No	
MW-24	05/05/13	636.19	638.55	625.37	610.37	21.44	2.54	23.98	19.65	616.54	No	
MW-24	10/03/13	636.19	638.55	625.37	610.37	20.84	3.17	24.01	19.20	616.99	No	
MW-24	05/22/14	636.19	638.55	625.37	610.37	18.61	4.32	22.93	17.23	618.96	No	
MW-24	10/31/14	636.19	638.55	625.37	610.37	18.51	4.50	23.01	17.17	619.02	No	
MW-24	05/06/15	636.19	638.55	625.37	610.37	20.75	2.88	23.63	19.04	617.15	No	
MW-24	10/05/15	636.19	638.55	625.37	610.37	17.90	5.20	23.10	16.71	619.48	No	
MW-24	05/23/16	636.19	638.55	625.37	610.37	14.63	9.36	23.99	14.38	621.81	No	
MW-24	10/03/16	636.19	638.55	625.37	610.37	16.44	7.02	23.46	15.67	620.52	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-24	06/29/17	636.19	638.55	625.37	610.37	15.97	7.28	23.25	15.25	620.94	No	
MW-24	07/25/19	636.19	638.55	625.37	610.37	17.50	5.37	22.87	16.35	619.84	No	
MW-24	05/26/20	636.19	638.55	625.37	610.37	14.56	9.34	23.90	14.31	621.88	No	
MW-24	05/24/21	636.19	638.55	625.37	610.37	17.59	5.50	23.09	16.47	619.72	No	
MW-25	06/30/89	634.90	637.59	617.50	602.50	20.35	1.15	21.50	17.92	616.98	No	
MW-25	07/12/89	634.90	637.59	617.50	602.50	20.85	1.63	22.48	18.53	616.37	No	
MW-25	07/26/89	634.90	637.59	617.50	602.50	20.83	1.97	22.80	18.58	616.32	No	
MW-25	07/27/89	634.90	637.59	617.50	602.50	20.85	2.24	23.09	18.67	616.23	No	
MW-25	09/03/89	634.90	637.59	617.50	602.50	20.78	3.52	24.30	18.89	616.01	No	
MW-25	11/16/89	634.90	637.59	617.50	602.50	20.72	4.04	24.76	18.94	615.96	No	
MW-25	11/29/89	634.90	637.59	617.50	602.50	20.87	3.56	24.43	18.98	615.92	No	
MW-25	12/01/89	634.90	637.59	617.50	602.50	21.33	2.18	23.51	19.13	615.77	No	
MW-25	12/02/89	634.90	637.59	617.50	602.50	21.54	1.17	22.71	19.11	615.79	No	
MW-25	05/04/90	634.90	637.59	617.50	602.50	21.48	5.67	27.15	20.07	614.83	No	
MW-25	06/01/90	634.90	637.59	617.50	602.50	21.20	3.70	24.90	19.35	615.55	No	
MW-25	06/19/90	634.90	637.59	617.50	602.50	20.94	3.88	24.82	19.13	615.77	No	
MW-25	06/27/90	634.90	637.59	617.50	602.50	21.09	3.61	24.70	19.22	615.68	No	
MW-25	07/05/90	634.90	637.59	617.50	602.50	21.23	3.85	25.08	19.41	615.49	No	
MW-25	07/13/90	634.90	637.59	617.50	602.50	21.30	3.37	24.67	19.37	615.53	No	
MW-25	07/17/90	634.90	637.59	617.50	602.50	21.08	3.43	24.51	19.16	615.74	No	
MW-25	07/25/90	634.90	637.59	617.50	602.50	21.27	3.65	24.92	19.40	615.50	No	
MW-25	08/09/90	634.90	637.59	617.50	602.50	21.13	3.75	24.88	19.29	615.61	No	
MW-25	08/27/90	634.90	637.59	617.50	602.50	20.80	4.96	25.76	19.23	615.67	No	
MW-25	09/06/90	634.90	637.59	617.50	602.50	20.65	4.16	24.81	18.90	616.00	No	
MW-25	01/04/91	634.90	637.59	617.50	602.50	20.68	2.87	23.55	18.64	616.26	No	
MW-25	01/30/91	634.90	637.59	617.50	602.50	20.93	2.76	23.69	18.86	616.04	No	
MW-25	04/24/91	634.90	637.59	617.50	602.50	20.40	4.81	25.21	18.80	616.10	No	
MW-25	07/09/91	634.90	637.59	617.50	602.50	17.42	5.97	23.39	16.08	618.82	Yes	
MW-25	10/08/91	634.90	637.59	617.50	602.50	16.36	4.90	21.26	14.78	620.12	Yes	
MW-25	01/07/92	634.90	637.59	617.50	602.50	17.50	3.63	21.13	15.63	619.27	Yes	
MW-25	10/14/92	634.90	637.59	617.50	602.50	17.27	3.72	20.99	15.42	619.48	Yes	
MW-25	06/25/93	634.90	637.59	617.50	602.50	13.16	7.78	20.94	12.23	622.67	Yes	
MW-25	10/28/93	634.90	637.59	617.50	602.50	18.52	2.50	21.02	16.39	618.51	Yes	
MW-25	01/29/94	634.90	637.59	617.50	602.50	19.58	1.76	21.34	17.29	617.61	Yes	
MW-25	04/27/94	634.90	637.59	617.50	602.50	18.41	2.89	21.30	16.37	618.53	Yes	
MW-25	07/21/94	634.90	637.59	617.50	602.50	17.32	3.63	20.95	15.45	619.45	Yes	
MW-25	10/25/94	634.90	637.59	617.50	602.50	17.82	3.42	21.24	15.90	619.00	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-25	02/01/95	634.90	637.59	617.50	602.50	20.20	1.01	21.21	17.74	617.16	No	
MW-25	04/04/95	634.90	637.59	617.50	602.50	20.50	0.73	21.23	17.97	616.93	No	
MW-25	07/12/95	634.90	637.59	617.50	602.50	18.21	3.39	21.60	16.29	618.61	Yes	
MW-25	03/13/96	634.90	637.59	617.50	602.50	20.48	0.82	21.30	17.98	616.92	No	
MW-25	10/08/96	634.90	637.59	617.50	602.50	16.65	3.37	20.02	14.72	620.18	Yes	
MW-25	04/29/97	634.90	637.59	617.50	602.50	14.40	6.12	20.52	13.09	621.81	Yes	
MW-25	06/10/97	634.90	637.59	617.50	602.50	17.33	1.28	18.61	14.93	619.97	Yes	FP bailed 5/22/97
MW-25	11/03/98	634.90	637.59	617.50	602.50	20.24	0.70	20.94	17.71	617.19	No	
MW-25	03/02/99	634.90	637.59	617.50	602.50	20.89	0.30	21.19	18.27	616.63	No	
MW-25	10/07/99	634.90	637.59	617.50	602.50	16.87	0.66	17.53	14.33	620.57	Yes	
MW-25	11/09/99	634.90	637.59	617.50	602.50	16.70	0.80	17.50	14.19	620.71	Yes	bailed 0.25 gal. FP
MW-25	12/21/99	634.90	637.59	617.50	602.50	18.58	0.33	18.91	15.96	618.94	Yes	bailed 0.25 gal. FP
MW-25	01/27/00	634.90	637.59	617.50	602.50	19.19	1.05	20.24	16.74	618.16	Yes	bailed 0.2 gal. FP
MW-25	02/24/00	634.90	637.59	617.50	602.50	20.49	0.26	20.75	17.86	617.04	No	bailed <0.1 gal. FP
MW-25	03/31/00	634.90	637.59	617.50	602.50	20.00	0.15	20.15	17.34	617.56	Yes	No product bailed
MW-25	04/20/00	634.90	637.59	617.50	602.50	18.81	1.28	20.09	16.41	618.49	Yes	bailed 0.25 gal. FP
MW-25	04/26/00	634.90	637.59	617.50	602.50	19.68	0.06	19.74	17.00	617.90	Yes	No product bailed
MW-25	05/31/00	634.90	637.59	617.50	602.50	19.64	0.12	19.76	16.98	617.92	Yes	bailed 0.125 gal. FP
MW-25	06/29/00	634.90	637.59	617.50	602.50	19.33	0.10	19.43	16.66	618.24	Yes	bailed 0.05 gal. FP
MW-25	07/26/00	634.90	637.59	617.50	602.50	18.84	0.86	19.70	16.34	618.56	Yes	bailed <0.1 gal. FP
MW-25	08/18/00	634.90	637.59	617.50	602.50	19.93	0.06	19.99	17.25	617.65	Yes	No product bailed
MW-25	09/27/00	634.90	637.59	617.50	602.50	20.51	0.20	20.71	17.87	617.03	No	bailed <0.1 gal. FP
MW-25	10/11/00	634.90	637.59	617.50	602.50	NP	0.00	19.62	16.93	617.97	Yes	No product bailed
MW-25	11/17/00	634.90	637.59	617.50	602.50	19.01	0.05	19.06	16.33	618.57	Yes	No product bailed
MW-25	12/12/00	634.90	637.59	617.50	602.50	19.20	0.01	19.21	16.51	618.39	Yes	No product bailed
MW-25	01/18/01	634.90	637.59	617.50	602.50	19.68	0.02	19.70	16.99	617.91	Yes	No product bailed
MW-25	04/24/01	634.90	637.59	617.50	602.50	NP	0.00	19.68	16.99	617.91	Yes	No product bailed
MW-25	05/23/01	634.90	637.59	617.50	602.50	NP	0.00	18.48	15.79	619.11	Yes	No product bailed
MW-25	06/19/01	634.90	637.59	617.50	602.50	NP	0.00	18.66	15.97	618.93	Yes	
MW-25	07/26/01	634.90	637.59	617.50	602.50	19.94	0.03	19.97	17.26	617.64	Yes	
MW-25	08/31/01	634.90	637.59	617.50	602.50	20.15	0.04	20.19	17.47	617.43	No	
MW-25	09/26/01	634.90	637.59	617.50	602.50	NP	0.00	20.52	17.83	617.07	No	
MW-25	10/24/01	634.90	637.59	617.50	602.50	20.40	0.00	20.40	17.71	617.19	No	
MW-25	12/20/01	634.90	637.59	617.50	602.50	20.48	0.07	20.55	17.81	617.09	No	
MW-25	01/22/02	634.90	637.59	617.50	602.50	NP	0.00	21.03	18.34	616.56	No	
MW-25	02/26/02	634.90	637.59	617.50	602.50	21.39	0.01	21.40	18.70	616.20	No	
MW-25	03/20/02	634.90	637.59	617.50	602.50	NP	0.00	21.44	18.75	616.15	No	
MW-25	04/24/02	635.90	637.59	617.50	602.50	20.43	0.01	20.44	18.74	617.16	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-25	05/15/02	635.90	637.59	617.50	602.50	NP	0.00	19.36	17.67	618.23	Yes	
MW-25	06/27/02	635.90	637.59	617.50	602.50	NP	0.00	19.56	17.87	618.03	Yes	
MW-25	07/25/02	635.90	637.59	617.50	602.50	NP	0.00	19.98	18.29	617.61	Yes	
MW-25	08/20/02	635.90	637.59	617.50	602.50	NP	0.00	19.57	17.88	618.02	Yes	
MW-25	09/30/02	635.90	637.59	617.50	602.50	NP	0.00	19.18	17.49	618.41	Yes	
MW-25	11/05/02	635.90	637.59	617.50	602.50	NP	0.00	18.87	17.18	618.72	Yes	
MW-25	12/23/02	635.90	637.59	617.50	602.50	20.40	0.03	20.43	18.72	617.18	No	
MW-25	01/28/03	635.90	637.59	617.50	602.50	21.07	0.01	21.08	19.38	616.52	No	
MW-25	02/19/03	635.90	637.59	617.50	602.50	NP	0.00	21.41	19.72	616.18	No	
MW-25	04/17/03	635.90	637.59	617.50	602.50	21.91	0.32	22.23	20.29	615.61	No	
MW-25	05/15/03	635.90	637.59	617.50	602.50	21.60	0.10	21.70	19.93	615.97	No	
MW-25	06/10/03	635.90	637.59	617.50	602.50	21.20	0.14	21.34	19.54	616.36	No	
MW-25	10/23/03	635.90	637.59	617.50	602.50	21.49	0.69	22.18	19.96	615.94	No	
MW-25	12/03/03	635.90	637.59	617.50	602.50	21.51	2.01	23.52	20.27	615.63	No	
MW-25	04/19/04	635.42	637.70	617.50	602.50	21.29	4.58	25.87	20.04	615.38	No	
MW-25	07/28/04	635.42	637.70	617.50	602.50	20.44	2.63	23.07	18.75	616.67	No	
MW-25	11/15/04	635.42	637.70	617.50	602.50	19.10	2.86	21.96	17.47	617.95	Yes	
MW-25	04/18/05	635.42	637.70	617.50	602.50	19.82	2.16	21.98	18.03	617.39	No	
MW-25	09/09/05	635.42	637.70	617.50	602.50	20.12	2.06	22.18	18.31	617.11	No	
MW-25	10/11/05	635.42	637.70	617.50	602.50	18.89	2.72	21.61	17.22	618.20	Yes	
MW-25	05/23/06	635.42	637.70	617.50	602.50	17.99	3.57	21.56	16.52	618.90	Yes	
MW-25	10/16/06	635.42	637.70	617.50	602.50	20.16	2.12	22.28	18.36	617.06	No	
MW-25	04/23/07	635.42	637.70	617.50	602.50	21.05	0.98	22.03	18.99	616.43	No	
MW-25	09/25/07	635.42	637.70	617.50	602.50	20.98	0.74	21.72	18.87	616.55	No	
MW-25	05/01/08	635.42	637.70	617.50	602.50	19.04	2.49	21.53	17.32	618.10	Yes	
MW-25	10/20/08	635.42	637.70	617.50	602.50	16.98	4.55	21.53	15.73	619.69	Yes	
MW-25	04/18/09	635.42	637.70	617.50	602.50	18.92	2.71	21.63	17.25	618.17	Yes	
MW-25	10/11/09	635.42	637.70	617.50	602.50	19.75	1.99	21.74	17.92	617.50	Yes	
MW-25	04/28/10	635.42	637.70	617.50	602.50	20.03	1.75	21.78	18.15	617.27	No	
MW-25	10/25/10	635.42	637.70	617.50	602.50	16.42	5.10	21.52	15.29	620.13	Yes	
MW-25	04/25/11	635.42	637.70	617.50	602.50	18.41	5.54	23.95	17.38	618.04	Yes	
MW-25	08/02/11	635.42	637.70	617.50	602.50	16.07	5.16	21.23	14.96	620.46	Yes	
MW-25	10/10/11	635.42	637.70	617.50	602.50	18.82	2.12	20.94	17.02	618.40	Yes	
MW-25	01/04/12	635.42	637.70	617.50	602.50	20.53	0.71	21.24	18.41	617.01	No	
MW-25	04/05/12	635.42	637.70	617.50	602.50	21.43	0.30	21.73	19.22	616.20	No	
MW-25	04/16/12	635.42	637.70	617.50	602.50	21.41	0.12	21.53	19.16	616.26	No	
MW-25	06/18/12	635.42	637.70	617.50	602.50	18.75	2.10	20.85	16.94	618.48	Yes	Spill Buddy Before Reading
MW-25	06/18/12	635.42	637.70	617.50	602.50	19.15	0.68	19.83	17.02	618.40	Yes	Spill Buddy After Reading

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-25	06/26/12	635.42	637.70	617.50	602.50	17.82	1.83	19.65	15.95	619.47	Yes	
MW-25	07/11/12	635.42	637.70	617.50	602.50	18.42	1.68	20.10	16.52	618.90	Yes	Spill Buddy Before Reading
MW-25	07/11/12	635.42	637.70	617.50	602.50	18.88	0.40	19.28	16.69	618.73	Yes	Spill Buddy After Reading
MW-25	08/09/12	635.42	637.70	617.50	602.50	19.26	1.00	20.26	17.21	618.21	Yes	Spill Buddy Before Reading
MW-25	08/09/12	635.42	637.70	617.50	602.50	19.64	0.06	19.70	17.37	618.05	Yes	Spill Buddy After Reading
MW-25	09/29/12	635.42	637.70	617.50	602.50	20.48	0.47	20.95	18.31	617.11	No	Spill Buddy Before Reading
MW-25	09/29/12	635.42	637.70	617.50	602.50	NP	0.00	20.64	18.36	617.06	No	Spill Buddy After Reading
MW-25	09/30/12	635.42	637.70	617.50	602.50	20.48	0.37	20.85	18.28	617.14	No	
MW-25	11/21/12	635.42	637.70	617.50	602.50	20.96	0.06	21.02	18.69	616.73	No	
MW-25	12/17/12	635.42	637.70	617.50	602.50	21.18	0.12	21.30	18.93	616.49	No	
MW-25	03/25/13	635.42	637.70	617.50	602.50	21.76	2.32	24.08	20.00	615.42	No	
MW-25	05/05/13	635.42	637.70	617.50	602.50	20.75	2.24	22.99	18.98	616.44	No	
MW-25	10/03/13	635.42	637.70	617.50	602.50	20.59	2.37	22.96	18.85	616.57	No	
MW-25	05/22/14	635.42	637.70	617.50	602.50	18.23	3.56	21.79	16.75	618.67	Yes	
MW-25	06/19/14	635.42	637.70	617.50	602.50	18.18	4.42	22.60	16.90	618.52	Yes	
MW-25	10/31/14	635.42	637.70	617.50	602.50	18.53	2.15	20.68	16.74	618.68	Yes	
MW-25	05/06/15	635.42	637.70	617.50	602.50	20.91	0.31	21.22	18.70	616.72	No	
MW-25	10/05/15	635.42	637.70	617.50	602.50	18.10	2.72	20.82	16.43	618.99	Yes	
MW-25	05/23/16	635.42	637.70	617.50	602.50	15.89	2.45	18.34	14.16	621.26	Yes	
MW-25	10/03/16	635.42	637.70	617.50	602.50	17.38	1.96	19.34	15.54	619.88	Yes	
MW-25	06/29/17	635.42	637.70	617.50	602.50	16.92	1.93	18.85	15.08	620.34	Yes	
MW-25	05/26/20	635.42	637.70	617.50	602.50	17.14	1.46	18.60	15.19	620.23	Yes	
MW-25	05/24/21	635.42	637.70	617.50	602.50	18.32	0.72	19.04	16.20	619.22	Yes	
MW-26	06/30/89	632.70	635.98	619.20	604.20	19.55	2.50	22.05	16.83	615.87	No	
MW-26	07/12/89	632.70	635.98	619.20	604.20	19.90	2.40	22.30	17.16	615.54	No	
MW-26	07/26/89	632.70	635.98	619.20	604.20	19.96	2.40	22.36	17.22	615.48	No	
MW-26	07/27/89	632.70	635.98	619.20	604.20	20.07	2.44	22.51	17.34	615.36	No	
MW-26	09/03/89	632.70	635.98	619.20	604.20	20.32	2.64	22.96	17.64	615.06	No	
MW-26	11/16/89	632.70	635.98	619.20	604.20	20.42	2.78	23.20	17.77	614.93	No	
MW-26	11/29/89	632.70	635.98	619.20	604.20	20.30	2.81	23.11	17.65	615.05	No	
MW-26	12/01/89	632.70	635.98	619.20	604.20	20.47	2.63	23.10	17.78	614.92	No	
MW-26	12/02/89	632.70	635.98	619.20	604.20	20.48	2.63	23.11	17.79	614.91	No	
MW-26	05/04/90	632.70	635.98	619.20	604.20	21.16	3.23	24.39	18.61	614.09	No	
MW-26	06/01/90	632.70	635.98	619.20	604.20	23.50	6.40	29.90	21.67	611.03	No	
MW-26	06/19/90	632.70	635.98	619.20	604.20	20.82	2.46	23.28	18.10	614.60	No	
MW-26	06/27/90	632.70	635.98	619.20	604.20	20.81	2.42	23.23	18.08	614.62	No	
MW-26	07/05/90	632.70	635.98	619.20	604.20	20.80	2.45	23.25	18.07	614.63	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-26	07/13/90	632.70	635.98	619.20	604.20	20.80	2.48	23.28	18.08	614.62	No	
MW-26	07/17/90	632.70	635.98	619.20	604.20	20.78	2.45	23.23	18.05	614.65	No	
MW-26	07/25/90	632.70	635.98	619.20	604.20	20.80	2.58	23.38	18.10	614.60	No	
MW-26	08/09/90	632.70	635.98	619.20	604.20	20.77	2.63	23.40	18.08	614.62	No	
MW-26	08/27/90	632.70	635.98	619.20	604.20	20.83	2.57	23.40	18.13	614.57	No	
MW-26	09/06/90	632.70	635.98	619.20	604.20	20.67	2.51	23.18	17.96	614.74	No	
MW-26	01/04/91	632.70	635.98	619.20	604.20	19.95	2.47	22.42	17.23	615.47	No	
MW-26	01/30/91	632.70	635.98	619.20	604.20	20.18	2.60	22.78	17.49	615.21	No	
MW-26	04/24/91	632.70	635.98	619.20	604.20	20.41	2.42	22.83	17.68	615.02	No	
MW-26	07/09/91	632.70	635.98	619.20	604.20	17.93	2.59	20.52	15.23	617.47	No	
MW-26	10/08/91	632.70	635.98	619.20	604.20	15.75	5.50	21.25	13.71	618.99	No	
MW-26	01/07/92	632.70	635.98	619.20	604.20	16.55	4.59	21.14	14.31	618.39	No	
MW-26	10/14/92	632.70	635.98	619.20	604.20	16.85	4.25	21.10	14.53	618.17	No	
MW-26	06/25/93	632.70	635.98	619.20	604.20	12.58	7.92	20.50	11.09	621.61	Yes	
MW-26	10/28/93	632.70	635.98	619.20	604.20	17.77	3.10	20.87	15.19	617.51	No	
MW-26	01/29/94	632.70	635.98	619.20	604.20	18.72	2.01	20.73	15.89	616.81	No	
MW-26	04/27/94	632.70	635.98	619.20	604.20	17.97	2.65	20.62	15.29	617.41	No	
MW-26	07/21/94	632.70	635.98	619.20	604.20	16.73	3.72	20.45	14.29	618.41	No	
MW-26	10/25/94	632.70	635.98	619.20	604.20	17.44	3.18	20.62	14.88	617.82	No	
MW-26	02/01/95	632.70	635.98	619.20	604.20	19.14	1.93	21.07	16.30	616.40	No	
MW-26	04/04/95	632.70	635.98	619.20	604.20	19.50	2.33	21.83	16.75	615.95	No	
MW-26	07/12/95	632.70	635.98	619.20	604.20	18.70	1.72	20.42	15.81	616.89	No	
MW-26	11/13/95	632.70	635.98	619.20	604.20	16.45	3.85	20.30	14.04	618.66	No	
MW-26	10/08/96	632.70	635.98	619.20	604.20	15.30	4.93	20.23	13.13	619.57	Yes	
MW-26	04/29/97	632.70	635.98	619.20	604.20	13.95	6.20	20.15	12.07	620.63	Yes	
MW-26	06/10/97	632.70	635.98	619.20	604.20	16.20	3.83	20.03	13.79	618.91	No	FP bailed 5/22/97
MW-26	11/03/98	632.70	635.98	619.20	604.20	19.49	2.26	21.75	16.72	615.98	No	
MW-26	03/04/99	632.70	635.98	619.20	604.20	19.56	2.34	21.90	16.81	615.89	No	
MW-26	10/07/99	632.70	635.98	619.20	604.20	15.10	4.95	20.05	12.94	619.76	Yes	
MW-26	11/09/99	632.70	635.98	619.20	604.20	14.80	5.38	20.18	12.74	619.96	Yes	bailed 4 gal. FP
MW-26	12/21/99	632.70	635.98	619.20	604.20	17.55	1.67	19.22	14.65	618.05	No	bailed 0.25 gal. FP
MW-26	01/27/00	632.70	635.98	619.20	604.20	18.75	1.18	19.93	15.74	616.96	No	bailed 0.2 gal. FP
MW-26	02/24/00	632.70	635.98	619.20	604.20	19.18	1.50	20.68	16.24	616.46	No	bailed 2 gal. FP
MW-26	03/31/00	632.70	635.98	619.20	604.20	18.71	1.92	20.63	15.86	616.84	No	bailed 0.25 gal. FP
MW-26	04/20/00	632.70	635.98	619.20	604.20	18.51	1.81	20.32	15.64	617.06	No	bailed 2 gal. FP
MW-26	04/26/00	632.70	635.98	619.20	604.20	18.52	1.56	20.08	15.59	617.11	No	bailed 1.5 gal. FP
MW-26	05/31/00	632.70	635.98	619.20	604.20	18.16	1.60	19.76	15.24	617.46	No	bailed 2 gal. FP
MW-26	06/29/00	632.70	635.98	619.20	604.20	18.25	1.95	20.20	15.41	617.29	No	bailed 0.5 gal. FP

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-26	07/26/00	632.70	635.98	619.20	604.20	18.80	0.16	18.96	15.56	617.14	No	bailed 2 gal. FP
MW-26	08/18/00	632.70	635.98	619.20	604.20	18.94	1.19	20.13	15.93	616.77	No	bailed 0.25 gal. FP
MW-26	09/27/00	632.70	635.98	619.20	604.20	19.42	1.84	21.26	16.56	616.14	No	bailed 0.5 gal. FP
MW-26	10/11/00	632.70	635.98	619.20	604.20	19.27	2.33	21.60	16.52	616.18	No	bailed 1.5 gal. FP
MW-26	11/17/00	632.70	635.98	619.20	604.20	19.31	1.84	21.15	16.45	616.25	No	bailed 2.5 gal. FP
MW-26	12/12/00	632.70	635.98	619.20	604.20	19.11	0.52	19.63	15.95	616.75	No	bailed 0.25 gal. FP
MW-26	01/18/01	632.70	635.98	619.20	604.20	19.52	0.47	19.99	16.35	616.35	No	bailed 0.2 gal. FP
MW-26	04/24/01	632.70	635.98	619.20	604.20	19.37	1.06	20.43	16.33	616.37	No	product abated using vactruck
MW-26	05/23/01	632.70	635.98	619.20	604.20	17.94	1.88	19.82	15.08	617.62	No	no product bailed
MW-26	06/19/01	632.70	635.98	619.20	604.20	17.78	2.07	19.85	14.97	617.73	No	
MW-26	07/26/01	632.70	635.98	619.20	604.20	18.96	0.88	19.84	15.88	616.82	No	
MW-26	08/31/01	632.70	635.98	619.20	604.20	19.29	1.02	20.31	16.24	616.46	No	
MW-26	09/26/01	632.70	635.98	619.20	604.20	19.28	1.81	21.09	16.41	616.29	No	
MW-26	10/24/01	632.70	635.98	619.20	604.20	19.32	2.00	21.32	16.49	616.21	No	
MW-26	12/20/01	632.70	635.98	619.20	604.20	19.58	1.94	21.52	16.74	615.96	No	
MW-26	01/22/02	632.70	635.98	619.20	604.20	19.66	2.68	22.34	16.99	615.71	No	
MW-26	02/26/02	632.70	635.98	619.20	604.20	20.00	2.94	22.94	17.38	615.32	No	
MW-26	03/20/02	632.70	635.98	619.20	604.20	20.22	2.44	22.66	17.49	615.21	No	
MW-26	04/24/02	632.70	635.98	619.20	604.20	19.65	1.05	20.70	16.61	616.09	No	
MW-26	05/15/02	632.70	635.98	619.20	604.20	19.27	0.89	20.16	16.19	616.51	No	
MW-26	06/27/02	632.70	635.98	619.20	604.20	19.30	0.99	20.29	16.24	616.46	No	
MW-26	07/25/02	632.70	635.98	619.20	604.20	19.27	0.77	20.04	16.16	616.54	No	
MW-26	08/20/02	632.70	635.98	619.20	604.20	19.05	1.12	20.17	16.02	616.68	No	
MW-26	09/30/02	632.70	635.98	619.20	604.20	18.42	1.37	19.79	15.45	617.25	No	
MW-26	11/05/02	632.70	635.98	619.20	604.20	18.10	1.61	19.71	15.18	617.52	No	
MW-26	12/23/02	632.70	635.98	619.20	604.20	19.32	1.17	20.49	16.30	616.40	No	
MW-26	01/28/03	632.70	635.98	619.20	604.20	19.68	2.59	22.27	16.98	615.72	No	
MW-26	02/19/03	632.70	635.98	619.20	604.20	19.80	3.41	23.21	17.29	615.41	No	
MW-26	04/17/03	632.70	635.98	619.20	604.20	20.41	2.72	23.13	17.74	614.96	No	
MW-26	05/15/03	632.70	635.98	619.20	604.20	20.51	1.16	21.67	17.49	615.21	No	
MW-26	06/10/03	632.70	635.98	619.20	604.20	20.10	1.10	21.20	17.07	615.63	No	
MW-26	10/23/03	632.70	635.98	619.20	604.20	20.39	2.81	23.20	17.74	614.96	No	
MW-26	12/03/03	632.70	635.98	619.20	604.20	20.59	2.79	23.38	17.94	614.76	No	
MW-26	04/19/04	633.45	636.11	619.20	604.20	20.89	2.43	23.32	18.78	614.67	No	
MW-26	07/28/04	633.45	636.11	619.20	604.20	20.09	1.67	21.76	17.81	615.64	No	
MW-26	11/15/04	633.45	636.11	619.20	604.20	19.25	0.65	19.90	16.74	616.71	No	
MW-26	04/18/05	633.45	636.11	619.20	604.20	19.73	0.57	20.30	17.20	616.25	No	
MW-26	09/09/05	633.45	636.11	619.20	604.20	19.31	1.88	21.19	17.07	616.38	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-26	10/11/05	633.45	636.11	619.20	604.20	18.82	1.42	20.24	16.48	616.97	No	
MW-26	05/23/06	633.45	636.11	619.20	604.20	17.75	2.11	19.86	15.57	617.88	No	
MW-26	10/16/06	633.45	636.11	619.20	604.20	19.49	2.48	21.97	17.39	616.06	No	
MW-26	04/23/07	633.45	636.11	619.20	604.20	20.39	0.31	20.70	17.80	615.65	No	
MW-26	09/25/07	633.45	636.11	619.20	604.20	20.37	0.38	20.75	17.80	615.65	No	
MW-26	05/01/08	633.45	636.11	619.20	604.20	19.05	0.59	19.64	16.52	616.93	No	
MW-26	10/20/08	633.45	636.11	619.20	604.20	16.92	3.06	19.98	14.95	618.50	No	
MW-26	04/18/09	633.45	636.11	619.20	604.20	18.22	2.08	20.30	16.03	617.42	No	
MW-26	10/11/09	633.45	636.11	619.20	604.20	19.43	1.50	20.93	17.11	616.34	No	
MW-26	04/28/10	633.45	636.11	619.20	604.20	19.29	1.10	20.39	16.88	616.57	No	
MW-26	10/25/10	633.45	636.11	619.20	604.20	16.86	2.90	19.76	14.86	618.59	No	
MW-26	04/25/11	633.45	636.11	619.20	604.20	18.07	1.99	20.06	15.86	617.59	No	
MW-26	08/03/11	633.45	636.11	619.20	604.20	16.12	3.43	19.55	14.23	619.22	Yes	
MW-26	10/10/11	633.45	636.11	619.20	604.20	18.03	1.66	19.69	15.74	617.71	No	
MW-26	01/04/12	633.45	636.11	619.20	604.20	19.38	2.00	21.38	17.17	616.28	No	
MW-26	04/05/12	633.45	636.11	619.20	604.20	20.14	1.81	21.95	17.89	615.56	No	Spill Buddy Before Reading
MW-26	04/05/12	633.45	636.11	619.20	604.20	21.21	0.49	21.70	18.66	614.79	No	Spill Buddy After Reading
MW-26	04/16/12	633.45	636.11	619.20	604.20	20.28	0.17	20.45	17.66	615.79	No	
MW-26	06/26/12	633.45	636.11	619.20	604.20	17.20	1.69	18.89	14.92	618.53	No	
MW-26	07/11/12	633.45	636.11	619.20	604.20	17.80	1.42	19.22	15.46	617.99	No	
MW-26	07/11/12	633.45	636.11	619.20	604.20	18.14	0.34	18.48	15.56	617.89	No	
MW-26	09/29/12	633.45	636.11	619.20	604.20	19.46	0.89	20.35	17.00	616.45	No	Spill Buddy Before Reading
MW-26	09/29/12	633.45	636.11	619.20	604.20	19.76	0.17	19.93	17.14	616.31	No	Spill Buddy After Reading
MW-26	09/30/12	633.45	636.11	619.20	604.20	19.40	0.90	20.30	16.94	616.51	No	
MW-26	11/21/12	633.45	636.11	619.20	604.20	19.70	2.19	21.89	17.53	615.92	No	
MW-26	12/17/12	633.45	636.11	619.20	604.20	19.85	2.60	22.45	17.78	615.67	No	
MW-26	03/25/13	633.45	636.11	619.20	604.20	20.68	2.73	23.41	18.64	614.81	No	
MW-26	05/05/13	633.45	636.11	619.20	604.20	NP	0.00	20.45	17.79	615.66	No	
MW-26	10/03/13	633.45	636.11	619.20	604.20	19.84	1.86	21.70	17.60	615.85	No	
MW-26	05/22/14	633.45	636.11	619.20	604.20	18.34	0.56	18.90	15.81	617.64	No	
MW-26	06/19/14	633.45	636.11	619.20	604.20	17.27	0.71	17.98	14.77	618.68	No	
MW-26	10/31/14	633.45	636.11	619.20	604.20	17.92	2.11	20.03	15.74	617.71	No	
MW-26	05/06/15	633.45	636.11	619.20	604.20	19.56	0.65	20.21	17.05	616.40	No	
MW-26	10/05/15	633.45	636.11	619.20	604.20	17.62	1.68	19.30	15.34	618.11	No	
MW-26	05/23/16	633.45	636.11	619.20	604.20	14.34	5.28	19.62	12.87	620.58	Yes	
MW-26	10/03/16	633.45	636.11	619.20	604.20	16.51	3.03	19.54	14.53	618.92	No	
MW-26	06/21/17	633.45	636.11	619.20	604.20	15.25	4.30	19.55	13.56	619.89	Yes	
MW-26	06/22/17	633.45	636.11	619.20	604.20	16.09	3.44	19.53	14.21	619.24	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-26	06/23/17	633.45	636.11	619.20	604.20	15.23	4.30	19.53	13.54	619.91	Yes	
MW-26	07/25/19	633.45	636.11	619.20	604.20	16.86	2.45	19.31	14.75	618.70	No	
MW-26	05/26/20	633.45	636.11	619.20	604.20	14.78	5.16	19.94	13.29	620.16	Yes	
MW-26	05/24/21	633.45	636.11	619.20	604.20	17.22	1.79	19.01	14.96	618.49	No	
MW-27	06/30/89	635.10	637.02	620.89	605.89	21.60	4.40	26.00	20.67	614.43	No	
MW-27	07/12/89	635.10	637.02	620.89	605.89	21.70	4.50	26.20	20.80	614.30	No	
MW-27	07/26/89	635.10	637.02	620.89	605.89	21.80	4.14	25.94	20.82	614.28	No	
MW-27	07/27/89	635.10	637.02	620.89	605.89	21.94	7.62	29.56	21.74	613.36	No	
MW-27	09/03/89	635.10	637.02	620.89	605.89	22.10	8.49	30.59	22.10	613.00	No	
MW-27	11/16/89	635.10	637.02	620.89	605.89	21.95	8.27	30.22	21.90	613.20	No	
MW-27	11/29/89	635.10	637.02	620.89	605.89	22.03	7.92	29.95	21.90	613.20	No	
MW-27	12/01/89	635.10	637.02	620.89	605.89	22.15	8.12	30.27	22.06	613.04	No	
MW-27	12/02/89	635.10	637.02	620.89	605.89	22.19	8.16	30.35	22.11	612.99	No	
MW-27	05/04/90	635.10	637.02	620.89	605.89	22.84	8.86	31.70	22.92	612.18	No	
MW-27	06/01/90	635.10	637.02	620.89	605.89	22.65	7.55	30.20	22.44	612.66	No	
MW-27	06/19/90	635.10	637.02	620.89	605.89	22.60	6.67	29.27	22.19	612.91	No	
MW-27	06/27/90	635.10	637.02	620.89	605.89	21.55	6.51	28.06	21.10	614.00	No	
MW-27	07/05/90	635.10	637.02	620.89	605.89	21.58	7.36	28.94	21.32	613.78	No	
MW-27	07/13/90	635.10	637.02	620.89	605.89	21.50	7.00	28.50	21.16	613.94	No	
MW-27	07/17/90	635.10	637.02	620.89	605.89	21.49	6.94	28.43	21.14	613.96	No	
MW-27	07/25/90	635.10	637.02	620.89	605.89	21.50	7.26	28.76	21.22	613.88	No	
MW-27	08/09/90	635.10	637.02	620.89	605.89	21.47	7.30	28.77	21.20	613.90	No	
MW-27	08/27/90	635.10	637.02	620.89	605.89	21.49	6.55	28.04	21.05	614.05	No	
MW-27	09/06/90	635.10	637.02	620.89	605.89	21.40	3.70	25.10	20.32	614.78	No	
MW-27	01/04/91	635.10	637.02	620.89	605.89	20.70	4.12	24.82	19.71	615.39	No	
MW-27	01/30/91	635.10	637.02	620.89	605.89	20.81	7.01	27.82	20.47	614.63	No	
MW-27	04/24/91	635.10	637.02	620.89	605.89	21.17	4.73	25.90	20.32	614.78	No	
MW-27	06/06/91	635.10	637.02	620.89	605.89	20.25	2.90	23.15	18.99	616.11	No	
MW-27	07/09/91	635.10	637.02	620.89	605.89	19.35	2.63	21.98	18.02	617.08	No	
MW-27	08/06/91	635.10	637.02	620.89	605.89	18.44	2.60	21.04	17.11	617.99	No	
MW-27	09/04/91	635.10	637.02	620.89	605.89	18.47	2.47	20.94	17.11	617.99	No	
MW-27	10/08/91	635.10	637.02	620.89	605.89	17.50	3.00	20.50	16.26	618.84	No	
MW-27	11/08/91	635.10	637.02	620.89	605.89	18.17	2.50	20.67	16.81	618.29	No	
MW-27	12/03/91	635.10	637.02	620.89	605.89	16.15	4.15	20.30	15.17	619.93	No	
MW-27	01/07/92	635.10	637.02	620.89	605.89	17.95	2.40	20.35	16.57	618.53	No	
MW-27	02/04/92	635.10	637.02	620.89	605.89	18.65	2.27	20.92	17.24	617.86	No	
MW-27	03/03/92	635.10	637.02	620.89	605.89	19.02	2.48	21.50	17.66	617.44	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-27	09/24/92	635.10	637.02	620.89	605.89	16.80	3.55	20.35	15.68	619.42	No	
MW-27	10/14/92	635.10	637.02	620.89	605.89	18.21	2.41	20.62	16.83	618.27	No	
MW-27	06/25/93	635.10	637.02	620.89	605.89	14.71	4.95	19.66	13.91	621.19	Yes	
MW-27	10/28/93	635.10	637.02	620.89	605.89	18.74	2.14	20.88	17.30	617.80	No	
MW-27	01/29/94	635.10	637.02	620.89	605.89	19.30	2.61	21.91	17.97	617.13	No	
MW-27	04/27/94	635.10	637.02	620.89	605.89	19.21	2.23	21.44	17.79	617.31	No	
MW-27	07/21/94	635.10	637.02	620.89	605.89	17.95	2.09	20.04	16.50	618.60	No	
MW-27	10/25/94	635.10	637.02	620.89	605.89	18.61	1.81	20.42	17.10	618.00	No	
MW-27	11/02/94	635.10	637.02	620.89	605.89	18.20	2.50	20.70	16.84	618.26	No	
MW-27	02/01/95	635.10	637.02	620.89	605.89	20.24	4.16	24.40	19.26	615.84	No	
MW-27	04/04/95	635.10	637.02	620.89	605.89	20.17	2.90	23.07	18.91	616.19	No	
MW-27	07/12/95	635.10	637.02	620.89	605.89	19.43	1.23	20.66	17.79	617.31	No	
MW-27	11/14/95	635.10	637.02	620.89	605.89	18.10	1.22	19.32	16.46	618.64	No	
MW-27	03/13/96	635.10	637.02	620.89	605.89	19.75	2.90	22.65	18.49	616.61	No	
MW-27	10/08/96	635.10	637.02	620.89	605.89	16.92	2.36	19.28	15.53	619.57	No	
MW-27	04/29/97	635.10	637.02	620.89	605.89	15.80	3.20	19.00	14.60	620.50	No	
MW-27	06/10/97	635.10	637.02	620.89	605.89	17.55	1.60	19.15	15.99	619.11	No	FP bailed 5/22/97
MW-27	11/03/98	635.10	637.02	620.89	605.89	20.18	3.33	23.51	19.01	616.09	No	
MW-27	03/02/99	635.10	637.02	620.89	605.89	20.88	1.62	22.50	19.33	615.77	No	
MW-27	10/07/99	635.10	637.02	620.89	605.89	16.78	3.14	19.92	15.57	619.53	No	
MW-27	11/09/99	635.10	637.02	620.89	605.89	16.55	2.50	19.05	15.19	619.91	No	bailed 1.5 gal. FP
MW-27	12/21/99	635.10	637.02	620.89	605.89	18.70	0.58	19.28	16.91	618.19	No	bailed 0.25 gal. FP
MW-27	01/27/00	635.10	637.02	620.89	605.89	19.88	2.12	22.00	18.44	616.66	No	bailed 0.3 gal. FP
MW-27	02/24/00	635.10	637.02	620.89	605.89	19.94	1.93	21.87	18.46	616.64	No	bailed 1 gal. FP
MW-27	03/31/00	635.10	637.02	620.89	605.89	19.63	3.27	22.90	18.45	616.65	No	bailed 2.5 gal. FP
MW-27	04/20/00	635.10	637.02	620.89	605.89	19.65	1.12	20.77	17.98	617.12	No	bailed 0.25 gal. FP
MW-27	04/26/00	635.10	637.02	620.89	605.89	19.57	0.96	20.53	17.87	617.23	No	bailed 1 gal. FP
MW-27	05/31/00	635.10	637.02	620.89	605.89	19.63	0.45	20.08	17.81	617.29	No	bailed 0.125 gal. FP
MW-27	06/29/00	635.10	637.02	620.89	605.89	19.54	0.65	20.19	17.77	617.33	No	bailed 0.25 gal. FP
MW-27	07/26/00	635.10	637.02	620.89	605.89	19.61	0.07	19.68	17.71	617.39	No	
MW-27	08/18/00	635.10	637.02	620.89	605.89	19.55	4.65	24.20	18.68	616.42	No	bailed 1.5 gal. FP
MW-27	09/27/00	635.10	637.02	620.89	605.89	20.10	2.37	22.47	18.72	616.38	No	bailed 1 gal. FP
MW-27	10/11/00	635.10	637.02	620.89	605.89	19.93	2.76	22.69	18.63	616.47	No	bailed 3 gal. FP
MW-27	11/17/00	635.10	637.02	620.89	605.89	20.07	2.92	22.99	18.81	616.29	No	bailed 3 gal. FP
MW-27	12/12/00	635.10	637.02	620.89	605.89	19.92	1.14	21.06	18.26	616.84	No	bailed 2 gal. FP
MW-27	01/18/01	635.10	637.02	620.89	605.89	20.51	1.26	21.77	18.87	616.23	No	bailed 2 gal. FP
MW-27	04/24/01	635.10	637.02	620.89	605.89	19.98	2.19	22.17	18.55	616.55	No	product abated using vactruck
MW-27	05/23/01	635.10	637.02	620.89	605.89	19.47	0.02	19.49	17.55	617.55	No	no product bailed

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-27	06/19/01	635.10	637.02	620.89	605.89	19.91	0.10	20.01	18.01	617.09	No	TPC = TOC + 0.61 feet
MW-27	07/26/01	635.10	637.02	620.89	605.89	19.82	0.51	20.33	18.02	617.08	No	
MW-27	08/31/01	635.10	637.02	620.89	605.89	20.02	1.41	21.43	18.42	616.68	No	
MW-27	09/26/01	635.10	637.02	620.89	605.89	20.10	1.88	21.98	18.60	616.50	No	
MW-27	10/24/01	635.10	637.02	620.89	605.89	20.08	2.60	22.68	18.75	616.35	No	
MW-27	12/20/01	635.10	637.02	620.89	605.89	21.13	2.68	23.81	19.82	615.28	No	
MW-27	01/22/02	635.10	637.02	620.89	605.89	20.78	2.99	23.77	19.54	615.56	No	
MW-27	02/26/02	635.10	637.02	620.89	605.89	20.92	3.35	24.27	19.76	615.34	No	
MW-27	03/20/02	635.10	637.02	620.89	605.89	21.09	3.31	24.40	19.92	615.18	No	
MW-27	04/24/02	635.10	637.02	620.89	605.89	20.29	3.77	24.06	19.22	615.88	No	
MW-27	05/15/02	635.10	637.02	620.89	605.89	19.98	3.19	23.17	18.78	616.32	No	
MW-27	06/27/02	635.10	637.02	620.89	605.89	20.17	2.67	22.84	18.85	616.25	No	
MW-27	07/25/02	635.10	637.02	620.89	605.89	20.08	2.22	22.30	18.66	616.44	No	
MW-27	08/20/02	635.10	637.02	620.89	605.89	19.97	1.89	21.86	18.48	616.62	No	
MW-27	09/30/02	635.10	637.02	620.89	605.89	19.70	0.65	20.35	17.93	617.17	No	
MW-27	11/05/02	635.10	637.02	620.89	605.89	19.57	0.06	19.63	17.66	617.44	No	
MW-27	12/23/02	635.10	637.02	620.89	605.89	20.33	1.06	21.39	18.65	616.45	No	
MW-27	01/28/03	635.10	637.02	620.89	605.89	20.86	1.60	22.46	19.30	615.80	No	
MW-27	02/19/03	635.10	637.02	620.89	605.89	20.89	2.54	23.43	19.54	615.56	No	
MW-27	04/17/03	635.10	637.02	620.89	605.89	21.29	3.33	24.62	20.12	614.98	No	
MW-27	05/15/03	635.10	637.02	620.89	605.89	21.36	3.46	24.82	20.22	614.88	No	
MW-27	06/10/03	635.10	637.02	620.89	605.89	21.30	2.66	23.96	19.98	615.12	No	
MW-27	10/23/03	635.10	637.02	620.89	605.89	21.35	3.01	24.36	20.11	614.99	No	
MW-27	12/03/03	635.10	637.02	620.89	605.89	21.44	3.26	24.70	20.26	614.84	No	
MW-27	04/19/04	635.10	636.93	620.89	605.89	22.02	3.94	25.96	21.08	614.02	No	
MW-27	07/28/04	635.10	636.93	620.89	605.89	21.16	2.08	23.24	19.80	615.30	No	
MW-27	11/16/04	635.10	636.93	620.89	605.89	20.99	1.23	22.22	19.44	615.66	No	
MW-27	04/18/05	635.10	636.93	620.89	605.89	20.82	2.17	22.99	19.48	615.62	No	
MW-27	09/09/05	635.10	636.93	620.89	605.89	20.37	1.70	22.07	18.92	616.18	No	
MW-27	10/11/05	635.10	636.93	620.89	605.89	20.11	1.06	21.17	18.52	616.58	No	
MW-27	05/23/06	635.10	636.93	620.89	605.89	19.36	1.22	20.58	17.81	617.29	No	
MW-27	10/16/06	635.10	636.93	620.89	605.89	20.58	2.37	22.95	19.29	615.81	No	
MW-27	04/23/07	635.10	636.93	620.89	605.89	21.45	3.45	24.90	20.40	614.70	No	
MW-27	09/25/07	635.10	637.67	620.89	605.89	21.63	3.59	25.22	19.87	615.23	No	
MW-27	05/01/08	635.10	637.67	620.89	605.89	20.78	1.43	22.21	18.53	616.57	No	
MW-27	10/20/08	635.10	637.67	620.89	605.89	19.19	0.78	19.97	16.80	618.30	No	
MW-27	04/18/09	635.10	637.67	620.89	605.89	19.23	1.83	21.06	17.07	618.03	No	
MW-27	08/04/09	635.10	637.67	620.89	605.89	20.68	1.66	22.34	18.48	616.62	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-27	08/05/09	635.10	637.67	620.89	605.89	21.10	1.25	22.35	18.81	616.29	No	
MW-27	08/13/09	635.10	637.67	620.89	605.89	20.90	0.58	21.48	18.46	616.64	No	
MW-27	08/18/09	635.10	637.67	620.89	605.89	20.53	0.79	21.32	18.14	616.96	No	
MW-27	08/26/09	635.10	637.67	620.89	605.89	20.56	0.66	21.22	18.14	616.96	No	
MW-27	09/03/09	635.10	637.67	620.89	605.89	20.28	0.70	20.98	17.87	617.23	No	
MW-27	09/08/09	635.10	637.67	620.89	605.89	20.24	0.69	20.93	17.83	617.27	No	
MW-27	09/14/09	635.10	637.67	620.89	605.89	20.30	0.96	21.26	17.95	617.15	No	
MW-27	10/11/09	635.10	637.67	620.89	605.89	20.71	1.03	21.74	18.37	616.73	No	
MW-27	10/15/09	635.10	637.67	620.89	605.89	20.71	1.03	21.74	18.37	616.73	No	
MW-27	04/28/10	635.10	637.67	620.89	605.89	20.73	1.89	22.62	18.59	616.51	No	
MW-27	10/25/10	635.10	637.67	620.89	605.89	18.70	1.14	19.84	16.39	618.71	No	
MW-27	04/25/11	635.10	637.67	620.89	605.89	20.03	0.79	20.82	17.64	617.46	No	
MW-27	08/04/11	635.10	637.67	620.89	605.89	18.21	1.22	19.43	15.92	619.18	No	
MW-27	09/15/11	635.10	637.67	620.89	605.89	19.41	0.32	19.73	16.91	618.19	No	
MW-27	09/23/11	635.10	637.67	620.89	605.89	19.55	0.13	19.68	17.01	618.09	No	
MW-27	09/29/11	635.10	637.67	620.89	605.89	19.45	0.50	19.95	16.99	618.11	No	
MW-27	10/07/11	635.10	637.67	620.89	605.89	19.52	0.42	19.94	17.04	618.06	No	
MW-27	10/10/11	635.10	637.67	620.89	605.89	19.70	0.39	20.09	17.22	617.88	No	
MW-27	10/21/11	635.10	637.67	620.89	605.89	19.96	0.32	20.28	17.46	617.64	No	
MW-27	10/27/11	635.10	637.67	620.89	605.89	20.09	0.29	20.38	17.59	617.51	No	
MW-27	11/04/11	635.10	637.67	620.89	605.89	20.27	0.37	20.64	17.78	617.32	No	
MW-27	11/09/11	635.10	637.67	620.89	605.89	20.20	0.24	20.44	17.68	617.42	No	
MW-27	11/18/11	635.10	637.67	620.89	605.89	20.33	0.35	20.68	17.84	617.26	No	
MW-27	11/22/11	635.10	637.67	620.89	605.89	20.43	0.50	20.93	17.97	617.13	No	
MW-27	12/01/11	635.10	637.67	620.89	605.89	20.73	0.98	21.71	18.38	616.72	No	
MW-27	01/04/12	635.10	637.67	620.89	605.89	20.93	2.61	23.54	18.95	616.15	No	
MW-27	02/16/12	635.10	637.67	620.89	605.89	21.31	2.35	23.66	19.27	615.83	No	
MW-27	03/13/12	635.10	637.67	620.89	605.89	21.46	2.73	24.19	19.51	615.59	No	
MW-27	04/03/12	635.10	637.67	620.89	605.89	21.58	2.84	24.42	19.65	615.45	No	Spill Buddy Before Reading
MW-27	04/03/12	635.10	637.67	620.89	605.89	22.20	0.65	22.85	19.78	615.32	No	Spill Buddy After Reading
MW-27	04/16/12	635.10	637.67	620.89	605.89	21.33	3.01	24.34	19.44	615.66	No	
MW-27	06/18/12	635.10	637.67	620.89	605.89	20.13	0.69	20.82	17.72	617.38	No	
MW-27	06/26/12	635.10	637.67	620.89	605.89	19.28	0.70	19.98	16.87	618.23	No	
MW-27	07/12/12	635.10	637.67	620.89	605.89	19.57	0.82	20.39	17.19	617.91	No	
MW-27	07/24/12	635.10	637.67	620.89	605.89	19.93	0.65	20.58	17.51	617.59	No	
MW-27	08/09/12	635.10	637.67	620.89	605.89	20.04	0.71	20.75	17.63	617.47	No	Spill Buddy Before Reading
MW-27	08/09/12	635.10	637.67	620.89	605.89	20.29	0.11	20.40	17.74	617.36	No	Spill Buddy After Reading
MW-27	08/17/12	635.10	637.67	620.89	605.89	20.21	0.69	20.90	17.80	617.30	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-27	09/17/12	635.10	637.67	620.89	605.89	20.57	1.01	21.58	18.23	616.87	No	
MW-27	09/18/12	635.10	637.67	620.89	605.89	20.54	1.01	21.55	18.20	616.90	No	Spill Buddy Before Reading
MW-27	09/18/12	635.10	637.67	620.89	605.89	20.79	0.06	20.85	18.23	616.87	No	Spill Buddy After Reading
MW-27	09/20/12	635.10	637.67	620.89	605.89	20.62	1.06	21.68	18.29	616.81	No	
MW-27	09/30/12	635.10	637.67	620.89	605.89	20.75	1.13	21.88	18.44	616.66	No	
MW-27	10/22/12	635.10	637.67	620.89	605.89	21.13	1.29	22.42	18.85	616.25	No	
MW-27	11/21/12	635.10	637.67	620.89	605.89	21.15	2.09	23.24	19.05	616.05	No	
MW-27	12/17/12	635.10	637.67	620.89	605.89	21.30	2.63	23.93	19.32	615.78	No	
MW-27	12/20/12	635.10	637.67	620.89	605.89	21.30	2.72	24.02	19.34	615.76	No	
MW-27	03/25/13	635.10	637.67	620.89	605.89	21.30	4.24	25.54	19.69	615.41	No	
MW-27	05/05/13	635.10	637.67	620.89	605.89	21.81	3.34	25.15	19.99	615.11	No	
MW-27	10/03/13	635.10	637.67	620.89	605.89	21.37	1.82	23.19	19.21	615.89	No	
MW-27	05/22/14	635.10	637.67	620.89	605.89	20.41	0.44	20.85	17.94	617.16	No	
MW-27	10/31/14	635.10	637.67	620.89	605.89	19.65	0.31	19.96	17.15	617.95	No	
MW-27	05/06/15	635.10	637.67	620.89	605.89	21.07	2.19	23.26	18.99	616.11	No	
MW-27	07/10/15	635.10	637.67	620.89	605.89	20.33	0.63	20.96	17.90	617.20	No	
MW-27	10/05/15	635.10	637.67	620.89	605.89	19.82	0.28	20.10	17.31	617.79	No	
MW-27	05/23/16	635.10	637.67	620.89	605.89	16.52	3.08	19.60	14.65	620.45	No	
MW-27	10/03/16	635.10	637.67	620.89	605.89	18.31	1.65	19.96	16.11	618.99	No	
MW-27	06/14/17	635.10	637.67	620.89	605.89	16.70	3.06	19.76	14.82	620.28	No	
MW-27	06/21/17	635.10	637.67	620.89	605.89	17.35	2.34	19.69	15.31	619.79	No	
MW-27	06/22/17	635.10	637.67	620.89	605.89	17.13	2.57	19.70	15.14	619.96	No	
MW-27	06/23/17	635.10	637.67	620.89	605.89	17.25	2.50	19.75	15.24	619.86	No	
MW-27	10/26/17	635.10	637.67	620.89	605.89	14.56	5.34	19.90	13.20	621.90	Yes	
MW-27	05/15/18	635.10	637.67	620.89	605.89	20.45	0.81	21.26	18.06	617.04	No	
MW-27	05/23/18	635.10	637.67	620.89	605.89	20.35	0.80	21.15	17.96	617.14	No	
MW-27	05/02/19	635.10	637.67	620.89	605.89	19.85	0.67	20.52	17.43	617.67	No	
MW-27	07/16/19	635.10	637.67	620.89	605.89	18.14	1.62	19.76	15.94	619.16	No	
MW-27	05/26/20	635.10	637.67	620.89	605.89	16.95	2.94	19.89	15.04	620.06	No	
MW-27	05/24/21	635.10	637.67	620.89	605.89	19.28	0.78	20.06	16.89	618.21	No	
MW-28	06/30/89	635.70	638.14	624.08	609.08	NP	0.00	21.10	18.66	617.04	No	
MW-28	07/12/89	635.70	638.14	624.08	609.08	NP	0.00	21.59	19.15	616.55	No	
MW-28	07/26/89	635.70	638.14	624.08	609.08	NP	0.00	21.73	19.29	616.41	No	
MW-28	07/27/89	635.70	638.14	624.08	609.08	NP	0.00	21.84	19.40	616.30	No	
MW-28	09/03/89	635.70	638.14	624.08	609.08	NP	0.00	21.95	19.51	616.19	No	
MW-28	11/16/89	635.70	638.14	624.08	609.08	NP	0.00	22.11	19.67	616.03	No	
MW-28	11/29/89	635.70	638.14	624.08	609.08	NP	0.00	22.39	19.95	615.75	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-28	06/19/90	635.70	638.14	624.08	609.08	NP	0.00	22.01	19.57	616.13	No	
MW-28	06/27/90	635.70	638.14	624.08	609.08	NP	0.00	22.07	19.63	616.07	No	
MW-28	07/05/90	635.70	638.14	624.08	609.08	NP	0.00	22.45	20.01	615.69	No	
MW-28	07/13/90	635.70	638.14	624.08	609.08	NP	0.00	22.45	20.01	615.69	No	
MW-28	07/17/90	635.70	638.14	624.08	609.08	NP	0.00	22.16	19.72	615.98	No	
MW-28	07/25/90	635.70	638.14	624.08	609.08	NP	0.00	22.48	20.04	615.66	No	
MW-28	09/06/90	635.70	638.14	624.08	609.08	NP	0.00	21.83	19.39	616.31	No	
MW-28	01/04/91	635.70	638.14	624.08	609.08	NP	0.00	21.71	19.27	616.43	No	
MW-28	07/09/91	635.70	638.14	624.08	609.08	NP	0.00	18.84	16.40	619.30	No	
MW-28	10/08/91	635.70	638.14	624.08	609.08	NP	0.00	17.71	15.27	620.43	No	
MW-28	01/07/92	635.70	638.14	624.08	609.08	NP	0.00	18.77	16.33	619.37	No	
MW-28	10/14/92	635.70	638.14	624.08	609.08	NP	0.00	18.48	16.04	619.66	No	
MW-28	06/25/93	635.70	638.14	624.08	609.08	NP	0.00	15.49	13.05	622.65	No	
MW-28	10/28/93	635.70	638.14	624.08	609.08	NP	0.00	19.10	16.66	619.04	No	
MW-28	01/29/94	635.70	638.14	624.08	609.08	NP	0.00	20.59	18.15	617.55	No	
MW-28	04/27/94	635.70	638.14	624.08	609.08	NP	0.00	19.67	17.23	618.47	No	
MW-28	07/21/94	635.70	638.14	624.08	609.08	NP	0.00	18.64	16.20	619.50	No	
MW-28	10/25/94	635.70	638.14	624.08	609.08	NP	0.00	19.04	16.60	619.10	No	
MW-28	10/27/94	635.70	638.14	624.08	609.08	NP	0.00	18.35	15.91	619.79	No	
MW-28	02/01/95	635.70	638.14	624.08	609.08	NP	0.00	20.96	18.52	617.18	No	
MW-28	04/04/95	635.70	638.14	624.08	609.08	NP	0.00	21.51	19.07	616.63	No	
MW-28	07/12/95	635.70	638.14	624.08	609.08	NP	0.00	19.98	17.54	618.16	No	
MW-28	11/13/95	635.70	638.14	624.08	609.08	NP	0.00	18.52	16.08	619.62	No	
MW-28	03/13/96	635.70	638.14	624.08	609.08	NP	0.00	21.11	18.67	617.03	No	
MW-28	04/22/96	635.70	638.14	624.08	609.08	NP	0.00	19.07	16.63	619.07	No	
MW-28	10/08/96	635.70	638.14	624.08	609.08	NP	0.00	17.82	15.38	620.32	No	
MW-28	04/29/97	635.70	638.14	624.08	609.08	NP	0.00	13.65	11.21	624.49	Yes	
MW-28	11/03/98	635.70	638.14	624.08	609.08	NP	0.00	21.02	18.58	617.12	No	
MW-28	03/02/99	635.70	638.14	624.08	609.08	NP	0.00	21.60	19.16	616.54	No	
MW-28	04/26/00	635.70	638.14	624.08	609.08	NP	0.00	20.17	17.73	617.97	No	
MW-28	10/10/00	635.70	638.14	624.08	609.08	NP	0.00	21.12	18.68	617.02	No	
MW-28	04/24/01	635.70	638.14	624.08	609.08	NP	0.00	20.63	18.19	617.51	No	
MW-28	10/24/01	635.70	638.14	624.08	609.08	NP	0.00	20.98	18.54	617.16	No	
MW-28	01/22/02	635.70	638.14	624.08	609.08	21.09	3.23	24.32	19.38	616.32	No	Deepest measured DTW
MW-28	02/26/02	635.70	638.14	624.08	609.08	NP	0.00	22.15	19.71	615.99	No	
MW-28	03/20/02	635.70	638.14	624.08	609.08	NP	0.00	22.37	19.93	615.77	No	
MW-28	04/23/02	635.70	638.14	624.08	609.08	NP	0.00	21.41	18.97	616.73	No	
MW-28	05/15/02	635.70	638.14	624.08	609.08	NP	0.00	20.49	18.05	617.65	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-28	08/20/02	635.70	638.14	624.08	609.08	NP	0.00	20.40	17.96	617.74	No	
MW-28	11/05/02	635.70	638.14	624.08	609.08	NP	0.00	19.43	16.99	618.71	No	
MW-28	12/23/02	635.70	638.14	624.08	609.08	NP	0.00	21.22	18.78	616.92	No	
MW-28	01/28/03	635.70	638.14	624.08	609.08	NP	0.00	21.70	19.26	616.44	No	
MW-28	01/28/03	635.70	638.14	624.08	609.08	NP	0.00	22.07	19.63	616.07	No	
MW-28	04/17/03	635.70	638.14	624.08	609.08	NP	0.00	22.48	20.04	615.66	No	
MW-28	06/10/03	635.70	638.14	624.08	609.08	NP	0.00	21.93	19.49	616.21	No	
MW-28	10/20/03	635.70	638.14	624.08	609.08	NP	0.00	22.05	19.61	616.09	No	
MW-28	12/03/03	635.70	638.14	624.08	609.08	NP	0.00	22.39	19.95	615.75	No	
MW-28	04/19/04	635.75	638.31	624.08	609.08	NP	0.00	22.87	20.31	615.44	No	
MW-28	07/28/04	635.75	638.31	624.08	609.08	NP	0.00	21.47	18.91	616.84	No	
MW-28	11/16/04	635.75	638.31	624.08	609.08	NP	0.00	20.34	17.78	617.97	No	
MW-28	04/18/05	635.75	638.31	624.08	609.08	NP	0.00	20.82	18.26	617.49	No	
MW-28	10/11/05	635.75	638.31	624.08	609.08	NP	0.00	20.09	17.53	618.22	No	
MW-28	05/23/06	635.75	638.31	624.08	609.08	NP	0.00	19.23	16.67	619.08	No	
MW-28	10/16/06	635.75	638.31	624.08	609.08	NP	0.00	21.15	18.59	617.16	No	
MW-28	04/23/07	635.75	638.31	624.08	609.08	NP	0.00	22.25	19.69	616.06	No	
MW-28	09/25/07	635.75	638.31	624.08	609.08	NP	0.00	22.16	19.60	616.15	No	
MW-28	05/01/08	635.75	638.31	624.08	609.08	NP	0.00	20.05	17.49	618.26	No	
MW-28	10/20/08	635.75	638.31	624.08	609.08	NP	0.00	18.38	15.82	619.93	No	
MW-28	04/18/09	635.75	638.31	624.08	609.08	NP	0.00	19.96	17.40	618.35	No	
MW-28	10/11/09	635.75	638.31	624.08	609.08	NP	0.00	20.82	18.26	617.49	No	
MW-28	04/28/10	635.75	638.31	624.08	609.08	NP	0.00	20.97	18.41	617.34	No	
MW-28	10/25/10	635.75	638.31	624.08	609.08	NP	0.00	18.62	16.06	619.69	No	
MW-28	04/25/11	635.75	638.31	624.08	609.08	NP	0.00	19.69	17.13	618.62	No	
MW-28	10/10/11	635.75	638.31	624.08	609.08	NP	0.00	19.85	17.29	618.46	No	
MW-28	01/04/12	635.75	638.31	624.08	609.08	NP	0.00	21.34	18.78	616.97	No	
MW-28	04/16/12	635.75	638.31	624.08	609.08	NP	0.00	22.01	19.45	616.30	No	
MW-28	06/26/12	635.75	638.31	624.08	609.08	NP	0.00	18.39	15.83	619.92	No	
MW-28	09/30/12	635.75	638.31	624.08	609.08	NP	0.00	21.19	18.63	617.12	No	
MW-28	12/17/12	635.75	638.31	624.08	609.08	NP	0.00	21.86	19.30	616.45	No	
MW-28	03/25/13	635.75	638.31	624.08	609.08	NP	0.00	22.94	20.38	615.37	No	
MW-28	05/05/13	635.75	638.31	624.08	609.08	NP	0.00	21.01	18.45	617.30	No	
MW-28	10/03/13	635.75	638.31	624.08	609.08	NP	0.00	21.65	19.09	616.66	No	
MW-30S	06/30/89	629.90	632.91	615.20	605.20	NP	0.00	17.40	14.39	615.51	Yes	
MW-30S	07/12/89	629.90	632.91	615.20	605.20	NP	0.00	17.80	14.79	615.11	No	
MW-30S	07/26/89	629.90	632.91	615.20	605.20	NP	0.00	17.98	14.97	614.93	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-30S	07/27/89	629.90	632.91	615.20	605.20	NP	0.00	18.12	15.11	614.79	No	
MW-30S	09/03/89	629.90	632.91	615.20	605.20	NP	0.00	18.44	15.43	614.47	No	
MW-30S	11/16/89	629.90	632.91	615.20	605.20	NP	0.00	18.66	15.65	614.25	No	
MW-30S	11/29/89	629.90	632.91	615.20	605.20	NP	0.00	18.77	15.76	614.14	No	
MW-30S	06/01/90	629.90	632.91	615.20	605.20	NP	0.00	18.44	15.43	614.47	No	
MW-30S	06/19/90	629.90	632.91	615.20	605.20	NP	0.00	18.30	15.29	614.61	No	
MW-30S	06/27/90	629.90	632.91	615.20	605.20	NP	0.00	18.53	15.52	614.38	No	
MW-30S	07/05/90	629.90	632.91	615.20	605.20	NP	0.00	18.65	15.64	614.26	No	
MW-30S	07/13/90	629.90	632.91	615.20	605.20	NP	0.00	18.72	15.71	614.19	No	
MW-30S	07/17/90	629.90	632.91	615.20	605.20	NP	0.00	18.56	15.55	614.35	No	
MW-30S	07/25/90	629.90	632.91	615.20	605.20	NP	0.00	18.78	15.77	614.13	No	
MW-30S	08/09/90	629.90	632.91	615.20	605.20	NP	0.00	18.80	15.79	614.11	No	
MW-30S	08/27/90	629.90	632.91	615.20	605.20	NP	0.00	18.67	15.66	614.24	No	
MW-30S	09/06/90	629.90	632.91	615.20	605.20	NP	0.00	18.44	15.43	614.47	No	
MW-30S	01/04/91	629.90	632.91	615.20	605.20	NP	0.00	17.90	14.89	615.01	No	
MW-30S	01/30/91	629.90	632.91	615.20	605.20	NP	0.00	18.20	15.19	614.71	No	
MW-30S	04/24/91	629.90	632.91	615.20	605.20	NP	0.00	18.38	15.37	614.53	No	
MW-30S	07/09/91	629.90	632.91	615.20	605.20	NP	0.00	14.66	11.65	618.25	Yes	
MW-30S	10/08/91	629.90	632.91	615.20	605.20	NP	0.00	14.07	11.06	618.84	Yes	
MW-30S	01/07/92	629.90	632.91	615.20	605.20	NP	0.00	14.94	11.93	617.97	Yes	
MW-30S	10/14/92	629.90	632.91	615.20	605.20	NP	0.00	15.58	12.57	617.33	Yes	
MW-30S	06/25/93	629.90	632.91	615.20	605.20	NP	0.00	10.97	7.96	621.94	Yes	
MW-30S	10/28/93	629.90	632.91	615.20	605.20	NP	0.00	15.78	12.77	617.13	Yes	
MW-30S	01/29/94	629.90	632.91	615.20	605.20	NP	0.00	17.02	14.01	615.89	Yes	
MW-30S	04/27/94	629.90	632.91	615.20	605.20	NP	0.00	15.53	12.52	617.38	Yes	
MW-30S	06/14/94	629.90	632.91	615.20	605.20	NP	0.00	14.78	11.77	618.13	Yes	
MW-30S	07/21/94	629.90	632.91	615.20	605.20	NP	0.00	15.25	12.24	617.66	Yes	
MW-30S	08/30/94	629.90	632.91	615.20	605.20	NP	0.00	16.59	13.58	616.32	Yes	
MW-30S	10/25/94	629.90	632.91	615.20	605.20	NP	0.00	15.85	12.84	617.06	Yes	
MW-30S	10/28/94	629.90	632.91	615.20	605.20	NP	0.00	15.25	12.24	617.66	Yes	
MW-30S	02/01/95	629.90	632.91	615.20	605.20	NP	0.00	18.20	15.19	614.71	No	
MW-30S	04/04/95	629.90	632.91	615.20	605.20	NP	0.00	17.78	14.77	615.13	No	
MW-30S	07/12/95	629.90	632.91	615.20	605.20	NP	0.00	16.61	13.60	616.30	Yes	
MW-30S	08/18/95	629.90	632.91	615.20	605.20	NP	0.00	17.28	14.27	615.63	Yes	
MW-30S	11/13/95	629.90	632.91	615.20	605.20	NP	0.00	14.80	11.79	618.11	Yes	
MW-30S	03/13/96	629.90	632.91	615.20	605.20	NP	0.00	17.55	14.54	615.36	Yes	
MW-30S	04/22/96	629.90	632.91	615.20	605.20	NP	0.00	14.92	11.91	617.99	Yes	
MW-30S	10/08/96	629.90	632.91	615.20	605.20	NP	0.00	14.22	11.21	618.69	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-30S	04/29/97	629.90	632.91	615.20	605.20	NP	0.00	12.70	9.69	620.21	Yes	
MW-30S	11/03/98	629.90	632.91	615.20	605.20	NP	0.00	17.91	14.90	615.00	No	
MW-30S	04/26/00	629.90	632.91	615.20	605.20	NP	0.00	16.24	13.23	616.67	Yes	
MW-30S	10/10/00	629.90	632.91	615.20	605.20	NP	0.00	17.66	14.65	615.25	Yes	
MW-30S	10/24/01	629.90	632.91	615.20	605.20	NP	0.00	17.67	14.66	615.24	Yes	
MW-30S	01/22/02	629.90	632.91	615.20	605.20	NP	0.00	18.11	15.10	614.80	No	
MW-30S	02/26/02	629.90	632.91	615.20	605.20	NP	0.00	18.53	15.52	614.38	No	
MW-30S	04/23/02	629.90	632.91	615.20	605.20	NP	0.00	17.83	14.82	615.08	No	
MW-30S	08/20/02	629.90	632.91	615.20	605.20	NP	0.00	16.52	13.51	616.39	Yes	
MW-30S	09/30/02	629.90	632.91	615.20	605.20	NP	0.00	16.27	13.26	616.64	Yes	
MW-30S	11/05/02	629.90	632.91	615.20	605.20	NP	0.00	15.53	12.52	617.38	Yes	
MW-30S	12/23/02	629.90	632.91	615.20	605.20	NP	0.00	17.42	14.41	615.49	Yes	
MW-30S	01/28/03	629.90	632.91	615.20	605.20	NP	0.00	18.01	15.00	614.90	No	
MW-30S	02/19/03	629.90	632.91	615.20	605.20	NP	0.00	18.28	15.27	614.63	No	
MW-30S	04/17/03	629.90	632.91	615.20	605.20	NP	0.00	18.78	15.77	614.13	No	
MW-30S	10/20/03	629.90	632.91	615.20	605.20	NP	0.00	18.66	15.65	614.25	No	
MW-30S	12/03/03	629.90	632.91	615.20	605.20	NP	0.00	18.89	15.88	614.02	No	
MW-30S	04/19/04	630.10	633.05	615.20	605.20	NP	0.00	19.23	16.28	613.82	No	
MW-30S	07/28/04	630.10	633.05	615.20	605.20	NP	0.00	17.67	14.72	615.38	Yes	
MW-30S	11/16/04	630.10	633.05	615.20	605.20	NP	0.00	16.50	13.55	616.55	Yes	
MW-30S	04/18/05	630.10	633.05	615.20	605.20	NP	0.00	16.50	13.55	616.55	Yes	
MW-30S	10/11/05	630.10	633.05	615.20	605.20	NP	0.00	16.23	13.28	616.82	Yes	
MW-30S	05/23/06	630.10	633.05	615.20	605.20	NP	0.00	15.05	12.10	618.00	Yes	
MW-30S	10/16/06	630.10	633.05	615.20	605.20	NP	0.00	17.73	14.78	615.32	Yes	
MW-30S	04/23/07	630.10	633.05	615.20	605.20	NP	0.00	18.45	15.50	614.60	No	Water low in well
MW-30S	09/25/07	630.10	633.05	615.20	605.20	NP	0.00	18.52	15.57	614.53	No	
MW-30S	05/01/08	630.10	633.05	615.20	605.20	NP	0.00	15.57	12.62	617.48	Yes	
MW-30S	10/20/08	630.10	633.05	615.20	605.20	NP	0.00	14.84	11.89	618.21	Yes	
MW-30S	04/18/09	630.10	633.05	615.20	605.20	NP	0.00	15.87	12.92	617.18	Yes	
MW-30S	08/31/11	630.10	633.05	615.20	605.20	NP	0.00	14.76	11.81	618.29	Yes	
MW-30S	10/10/11	630.10	633.05	615.20	605.20	NP	0.00	16.19	13.24	616.86	Yes	
MW-30S	01/04/12	630.10	633.05	615.20	605.20	NP	0.00	17.78	14.83	615.27	Yes	
MW-30S	04/16/12	630.10	633.05	615.20	605.20	NP	0.00	18.44	15.49	614.61	No	
MW-30S	06/26/12	630.10	633.05	615.20	605.20	NP	0.00	13.68	10.73	619.37	Yes	
MW-30S	09/30/12	630.10	633.05	615.20	605.20	NP	0.00	17.43	14.48	615.62	Yes	
MW-30S	12/17/12	630.10	633.05	615.20	605.20	NP	0.00	18.28	15.33	614.77	No	
MW-30S	03/25/13	630.10	633.05	615.20	605.20	NP	0.00	18.37	15.42	614.68	No	
MW-30S	05/05/13	630.10	633.05	615.20	605.20	NP	0.00	19.14	16.19	613.91	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-30S	10/01/13	630.10	633.05	615.20	605.20	NP	0.00	17.94	14.99	615.11	No	
MW-30S	05/21/14	630.10	633.05	615.20	605.20	NP	0.00	14.79	11.84	618.26	Yes	
MW-30S	10/30/14	630.10	633.05	615.20	605.20	NP	0.00	15.75	12.80	617.30	Yes	
MW-30S	05/05/15	630.10	633.05	615.20	605.20	NP	0.00	17.49	14.54	615.56	Yes	
MW-30S	10/07/15	630.10	633.05	615.20	605.20	NP	0.00	15.78	12.83	617.27	Yes	OWLD/ 15.72 NWLD
MW-30S	05/23/16	630.10	633.05	615.20	605.20	NP	0.00	13.09	10.14	619.96	Yes	
MW-30S	10/03/16	630.10	633.05	615.20	605.20	NP	0.00	15.09	12.14	617.96	Yes	
MW-30S	06/29/17	630.10	633.05	615.20	605.20	NP	0.00	14.32	11.37	618.73	Yes	
MW-30S	05/14/18	630.10	633.05	615.20	605.20	NP	0.00	16.00	13.05	617.05	Yes	
MW-30S	06/18/18	630.10	633.05	615.20	605.20	NP	0.00	14.20	11.25	618.85	Yes	
MW-30S	06/27/18	630.10	633.05	615.20	605.20	NP	0.00	14.20	11.25	618.85	Yes	
MW-30S	10/08/18	630.10	633.05	615.20	605.20	NP	0.00	15.67	12.72	617.38	Yes	
MW-30S	06/03/19	630.10	633.05	615.20	605.20	NP	0.00	13.45	10.50	619.60	Yes	
MW-30S	10/03/19	630.10	633.05	615.20	605.20	NP	0.00	15.15	12.20	617.90	Yes	
MW-30S	05/26/20	630.10	633.05	615.20	605.20	NP	0.00	13.44	10.49	619.61	Yes	
MW-30S	10/05/20	630.10	633.05	615.20	605.20	NP	0.00	17.55	14.60	615.50	Yes	
MW-30S	05/24/21	630.10	633.05	615.20	605.20	NP	0.00	14.95	12.00	618.10	Yes	
MW-30S	10/04/21	630.10	633.05	615.20	605.20	NP	0.00	17.10	14.15	615.95	Yes	
MW-30D	06/14/94	630.00	633.04	578.29	575.29	NP	0.00	16.85	13.81	616.19	Yes	
MW-30D	07/21/94	630.00	633.04	578.29	575.29	NP	0.00	17.12	14.08	615.92	Yes	
MW-30D	10/25/94	630.00	633.04	578.29	575.29	NP	0.00	17.48	14.44	615.56	Yes	
MW-30D	10/28/94	630.00	633.04	578.29	575.29	NP	0.00	17.08	14.04	615.96	Yes	
MW-30D	04/04/95	630.00	633.04	578.29	575.29	NP	0.00	19.24	16.20	613.80	Yes	
MW-30D	07/12/95	630.00	633.04	578.29	575.29	NP	0.00	18.27	15.23	614.77	Yes	
MW-30D	08/18/95	630.00	633.04	578.29	575.29	NP	0.00	18.95	15.91	614.09	Yes	
MW-30D	11/13/95	630.00	633.04	578.29	575.29	NP	0.00	17.03	13.99	616.01	Yes	
MW-30D	04/22/96	630.00	633.04	578.29	575.29	NP	0.00	17.05	14.01	615.99	Yes	
MW-30D	10/08/96	630.00	633.04	578.29	575.29	NP	0.00	16.20	13.16	616.84	Yes	
MW-30D	04/29/97	630.00	633.04	578.29	575.29	NP	0.00	15.30	12.26	617.74	Yes	
MW-30D	11/03/98	630.00	633.04	578.29	575.29	NP	0.00	19.28	16.24	613.76	Yes	
MW-30D	03/02/99	630.00	633.04	578.29	575.29	NP	0.00	19.25	16.21	613.79	Yes	
MW-30D	04/26/00	630.00	633.04	578.29	575.29	NP	0.00	18.23	15.19	614.81	Yes	
MW-30D	10/10/00	630.00	633.04	578.29	575.29	NP	0.00	19.30	16.26	613.74	Yes	
MW-30D	10/24/01	630.00	633.04	578.29	575.29	NP	0.00	19.20	16.16	613.84	Yes	
MW-30D	04/23/02	630.00	633.04	578.29	575.29	NP	0.00	19.28	16.24	613.76	Yes	
MW-30D	11/05/02	630.00	633.04	578.29	575.29	NP	0.00	17.66	14.62	615.38	Yes	
MW-30D	04/17/03	630.00	633.04	578.29	575.29	NP	0.00	20.23	17.19	612.81	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-30D	10/20/03	630.00	633.04	578.29	575.29	NP	0.00	20.03	16.99	613.01	Yes	
MW-30D	04/19/04	630.15	633.15	578.29	575.29	NP	0.00	20.24	17.24	612.91	Yes	
MW-30D	11/16/04	630.15	633.15	578.29	575.29	NP	0.00	18.33	15.33	614.82	Yes	
MW-30D	04/18/05	630.15	633.15	578.29	575.29	NP	0.00	18.31	15.31	614.84	Yes	
MW-30D	10/11/05	630.15	633.15	578.29	575.29	NP	0.00	18.95	15.95	614.20	Yes	
MW-30D	05/23/06	630.15	633.15	578.29	575.29	NP	0.00	17.37	14.37	615.78	Yes	
MW-30D	10/16/06	630.15	633.15	578.29	575.29	NP	0.00	19.13	16.13	614.02	Yes	
MW-30D	04/23/07	630.15	633.15	578.29	575.29	NP	0.00	19.62	16.62	613.53	Yes	
MW-30D	09/25/07	630.15	633.15	578.29	575.29	NP	0.00	19.69	16.69	613.46	Yes	
MW-30D	05/01/08	630.15	633.15	578.29	575.29	NP	0.00	17.63	14.63	615.52	Yes	
MW-30D	10/20/08	630.15	633.15	578.29	575.29	NP	0.00	16.69	13.69	616.46	Yes	
MW-30D	04/18/09	630.15	633.15	578.29	575.29	NP	0.00	17.84	14.84	615.31	Yes	
MW-30D	08/31/11	630.15	633.15	578.29	575.29	NP	0.00	16.58	13.58	616.57	Yes	
MW-30D	10/10/11	630.15	633.15	578.29	575.29	NP	0.00	17.92	14.92	615.23	Yes	
MW-30D	01/04/12	630.15	633.15	578.29	575.29	NP	0.00	19.22	16.22	613.93	Yes	
MW-30D	04/16/12	630.15	633.15	578.29	575.29	NP	0.00	19.50	16.50	613.65	Yes	
MW-30D	06/26/12	630.15	633.15	578.29	575.29	NP	0.00	16.22	13.22	616.93	Yes	
MW-30D	09/30/12	630.15	633.15	578.29	575.29	NP	0.00	18.99	15.99	614.16	Yes	
MW-30D	12/17/12	630.15	633.15	578.29	575.29	NP	0.00	19.60	16.60	613.55	Yes	
MW-30D	03/25/13	630.15	633.15	578.29	575.29	NP	0.00	20.53	17.53	612.62	Yes	
MW-30D	05/05/13	630.15	633.15	578.29	575.29	NP	0.00	19.52	16.52	613.63	Yes	
MW-30D	10/01/13	630.15	633.15	578.29	575.29	NP	0.00	19.17	16.17	613.98	Yes	
MW-30D	05/21/14	630.15	633.15	578.29	575.29	NP	0.00	16.76	13.76	616.39	Yes	
MW-30D	10/30/14	630.15	633.15	578.29	575.29	NP	0.00	17.26	14.26	615.89	Yes	
MW-30D	05/05/15	630.15	633.15	578.29	575.29	NP	0.00	18.93	15.93	614.22	Yes	
MW-30D	10/07/15	630.15	633.15	578.29	575.29	NP	0.00	17.51	14.51	615.64	Yes	
MW-30D	05/23/16	630.15	633.15	578.29	575.29	NP	0.00	15.53	12.53	617.62	Yes	
MW-30D	10/03/16	630.15	633.15	578.29	575.29	NP	0.00	15.68	12.68	617.47	Yes	
MW-30D	06/14/17	630.15	633.15	578.29	575.29	NP	0.00	15.61	12.61	617.54	Yes	
MW-30D	10/03/17	630.15	633.15	578.29	575.29	NP	0.00	14.55	11.55	618.60	Yes	
MW-30D	05/14/18	630.15	633.15	578.29	575.29	NP	0.00	17.74	14.74	615.41	Yes	
MW-30D	06/18/18	630.15	633.15	578.29	575.29	NP	0.00	16.45	13.45	616.70	Yes	
MW-30D	06/27/18	630.15	633.15	578.29	575.29	NP	0.00	16.30	13.30	616.85	Yes	
MW-30D	10/08/18	630.15	633.15	578.29	575.29	NP	0.00	17.28	14.28	615.87	Yes	
MW-30D	06/03/19	630.15	633.15	578.29	575.29	NP	0.00	15.77	12.77	617.38	Yes	
MW-30D	10/03/19	630.15	633.15	578.29	575.29	NP	0.00	16.77	13.77	616.38	Yes	
MW-30D	05/26/20	630.15	633.15	578.29	575.29	NP	0.00	15.53	12.53	617.62	Yes	
MW-30D	10/05/20	630.15	633.15	578.29	575.29	NP	0.00	17.40	14.40	615.75	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-30D	05/24/21	630.15	633.15	578.29	575.29	NP	0.00	16.92	13.92	616.23	Yes	
MW-30DD	07/12/95	630.00	632.98	548.63	545.63	NP	0.00	18.58	15.60	614.40	Yes	
MW-30DD	08/08/95	630.00	632.98	548.63	545.63	NP	0.00	18.80	15.82	614.18	Yes	
MW-30DD	11/13/95	630.00	632.98	548.63	545.63	NP	0.00	17.05	14.07	615.93	Yes	
MW-30DD	04/22/96	630.00	632.98	548.63	545.63	NP	0.00	17.41	14.43	615.57	Yes	
MW-30DD	10/08/96	630.00	632.98	548.63	545.63	NP	0.00	16.69	13.71	616.29	Yes	
MW-30DD	04/29/97	630.00	632.98	548.63	545.63	NP	0.00	16.45	13.47	616.53	Yes	
MW-30DD	11/03/98	630.00	632.98	548.63	545.63	NP	0.00	19.35	16.37	613.63	Yes	
MW-30DD	03/02/99	630.00	632.98	548.63	545.63	NP	0.00	19.12	16.14	613.86	Yes	
MW-30DD	04/26/00	630.00	632.98	548.63	545.63	NP	0.00	18.17	15.19	614.81	Yes	
MW-30DD	10/10/00	630.00	632.98	548.63	545.63	NP	0.00	19.34	16.36	613.64	Yes	
MW-30DD	04/23/02	630.00	632.98	548.63	545.63	NP	0.00	19.37	16.39	613.61	Yes	
MW-30DD	11/05/02	630.00	632.98	548.63	545.63	NP	0.00	17.86	14.88	615.12	Yes	
MW-30DD	04/17/03	630.00	632.98	548.63	545.63	NP	0.00	20.31	17.33	612.67	Yes	
MW-30DD	10/20/03	630.00	632.98	548.63	545.63	NP	0.00	20.10	17.12	612.88	Yes	Very silty
MW-30DD	04/19/04	630.17	633.05	548.63	545.63	NP	0.00	20.08	17.20	612.97	Yes	Very silty
MW-30DD	11/16/04	630.17	633.05	548.63	545.63	NP	0.00	18.36	15.48	614.69	Yes	
MW-30DD	04/18/05	630.17	633.05	548.63	545.63	NP	0.00	18.92	16.04	614.13	Yes	
MW-30DD	10/11/05	630.17	633.05	548.63	545.63	NP	0.00	18.15	15.27	614.90	Yes	
MW-30DD	05/23/06	630.17	633.05	548.63	545.63	NP	0.00	17.53	14.65	615.52	Yes	
MW-30DD	10/16/06	630.17	633.05	548.63	545.63	NP	0.00	19.12	16.24	613.93	Yes	
MW-30DD	04/23/07	630.17	633.05	548.63	545.63	NP	0.00	19.67	16.79	613.38	Yes	
MW-30DD	09/25/07	630.17	633.05	548.63	545.63	NP	0.00	19.78	16.90	613.27	Yes	
MW-30DD	05/01/08	630.17	633.05	548.63	545.63	NP	0.00	17.93	15.05	615.12	Yes	
MW-30DD	10/20/08	630.17	633.05	548.63	545.63	NP	0.00	16.71	13.83	616.34	Yes	
MW-30DD	04/18/09	630.17	633.05	548.63	545.63	NP	0.00	18.05	15.17	615.00	Yes	
MW-30DD	08/31/11	630.17	633.05	548.63	545.63	NP	0.00	16.46	13.58	616.59	Yes	
MW-30DD	10/10/11	630.17	633.05	548.63	545.63	NP	0.00	17.85	14.97	615.20	Yes	
MW-30DD	01/04/12	630.17	633.05	548.63	545.63	NP	0.00	19.34	16.46	613.71	Yes	
MW-30DD	04/16/12	630.17	633.05	548.63	545.63	NP	0.00	19.57	16.69	613.48	Yes	
MW-30DD	06/26/12	630.17	633.05	548.63	545.63	NP	0.00	16.51	13.63	616.54	Yes	
MW-30DD	09/30/12	630.17	633.05	548.63	545.63	NP	0.00	19.13	16.25	613.92	Yes	
MW-30DD	12/17/12	630.17	633.05	548.63	545.63	NP	0.00	19.71	16.83	613.34	Yes	
MW-30DD	03/25/13	630.17	633.05	548.63	545.63	NP	0.00	20.49	17.61	612.56	Yes	
MW-30DD	05/05/13	630.17	633.05	548.63	545.63	NP	0.00	19.58	16.70	613.47	Yes	
MW-30DD	10/01/13	630.17	633.05	548.63	545.63	NP	0.00	19.25	16.37	613.80	Yes	
MW-30DD	05/20/14	630.17	633.05	548.63	545.63	NP	0.00	17.01	14.13	616.04	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-30DD	10/31/14	630.17	633.05	548.63	545.63	NP	0.00	17.53	14.65	615.52	Yes	
MW-30DD	05/04/15	630.17	633.05	548.63	545.63	NP	0.00	19.03	16.15	614.02	Yes	
MW-30DD	10/05/15	630.17	633.05	548.63	545.63	NP	0.00	17.26	14.38	615.79	Yes	
MW-30DD	05/23/16	630.17	633.05	548.63	545.63	NP	0.00	15.71	12.83	617.34	Yes	
MW-30DD	10/03/16	630.17	633.05	548.63	545.63	NP	0.00	16.83	13.95	616.22	Yes	
MW-30DD	06/29/17	630.17	633.05	548.63	545.63	NP	0.00	16.29	13.41	616.76	Yes	
MW-30DD	06/18/18	630.17	633.05	548.63	545.63	NP	0.00	16.70	13.82	616.35	Yes	
MW-30DD	10/08/18	630.17	633.05	548.63	545.63	NP	0.00	17.43	14.55	615.62	Yes	
MW-30DD	06/03/19	630.17	633.05	548.63	545.63	NP	0.00	15.99	13.11	617.06	Yes	
MW-30DD	07/15/19	630.17	633.05	548.63	545.63	NP	0.00	16.40	13.52	616.65	Yes	
MW-30DD	10/02/19	630.17	633.05	548.63	545.63	NP	0.00	16.95	14.07	616.10	Yes	
MW-30DD	05/26/20	630.17	633.05	548.63	545.63	NP	0.00	15.72	12.84	617.33	Yes	
MW-30DD	05/24/21	630.17	633.05	548.63	545.63	NP	0.00	17.15	14.27	615.90	Yes	
MW-30DDD	06/18/18	630.10	632.74	534.10	531.10	NP	0.00	16.38	13.74	616.36	Yes	
MW-30DDD	06/27/18	630.10	632.74	534.10	531.10	NP	0.00	16.27	13.63	616.47	Yes	
MW-30DDD	10/08/18	630.10	632.74	534.10	531.10	NP	0.00	17.38	14.74	615.36	Yes	
MW-30DDD	06/03/19	630.10	632.74	534.10	531.10	NP	0.00	15.58	12.94	617.16	Yes	
MW-30DDD	10/01/19	630.10	632.74	534.10	531.10	NP	0.00	16.72	14.08	616.02	Yes	
MW-30DDD	05/26/20	631.10	633.74	535.10	532.10	NP	0.00	15.37	12.73	618.37	Yes	
MW-30DDD	05/24/21	631.10	633.74	535.10	532.10	NP	0.00	17.00	14.36	616.74	Yes	
MW-33	08/06/91	630.40	632.74	616.84	606.84	NP	0.00	12.78	10.44	619.96	Yes	
MW-33	10/08/91	630.40	632.74	616.84	606.84	NP	0.00	13.22	10.88	619.52	Yes	
MW-33	01/07/92	630.40	632.74	616.84	606.84	NP	0.00	14.29	11.95	618.45	Yes	
MW-33	10/14/92	630.40	632.74	616.84	606.84	NP	0.00	15.49	13.15	617.25	Yes	
MW-33	06/25/93	630.40	632.74	616.84	606.84	NP	0.00	9.70	7.36	623.04	Yes	
MW-33	10/28/93	630.40	632.74	616.84	606.84	NP	0.00	15.78	13.44	616.96	Yes	
MW-33	01/29/94	630.40	632.74	616.84	606.84	NP	0.00	16.86	14.52	615.88	No	
MW-33	04/27/94	630.40	632.74	616.84	606.84	NP	0.00	15.19	12.85	617.55	Yes	
MW-33	07/21/94	630.40	632.74	616.84	606.84	NP	0.00	14.97	12.63	617.77	Yes	
MW-33	10/25/94	630.40	632.74	616.84	606.84	NP	0.00	15.91	13.57	616.83	No	
MW-33	10/28/94	630.40	632.74	616.84	606.84	NP	0.00	15.62	13.28	617.12	Yes	
MW-33	02/01/95	630.40	632.74	616.84	606.84	NP	0.00	17.62	15.28	615.12	No	
MW-33	04/04/95	630.40	632.74	616.84	606.84	NP	0.00	17.55	15.21	615.19	No	
MW-33	07/12/95	630.40	632.74	616.84	606.84	NP	0.00	16.45	14.11	616.29	No	
MW-33	11/13/95	630.40	632.74	616.84	606.84	NP	0.00	14.76	12.42	617.98	Yes	
MW-33	03/13/96	630.40	632.74	616.84	606.84	NP	0.00	17.60	15.26	615.14	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-33	04/22/96	630.40	632.74	616.84	606.84	NP	0.00	14.37	12.03	618.37	Yes	
MW-33	10/08/96	630.40	632.74	616.84	606.84	NP	0.00	14.29	11.95	618.45	Yes	
MW-33	04/29/97	630.40	632.74	616.84	606.84	NP	0.00	12.35	10.01	620.39	Yes	
MW-33	11/03/98	630.40	632.74	616.84	606.84	NP	0.00	18.09	15.75	614.65	No	
MW-33	03/02/99	630.40	632.74	616.84	606.84	NP	0.00	18.00	15.66	614.74	No	
MW-33	04/26/00	630.40	632.74	616.84	606.84	NP	0.00	15.92	13.58	616.82	No	
MW-33	04/24/01	630.40	632.74	616.84	606.84	NP	0.00	16.57	14.23	616.17	No	
MW-33	10/23/01	630.40	632.74	616.84	606.84	NP	0.00	17.74	15.40	615.00	No	
MW-33	04/23/02	630.40	632.74	616.84	606.84	NP	0.00	17.85	15.51	614.89	No	
MW-33	08/20/02	630.40	632.74	616.84	606.84	NP	0.00	16.47	14.13	616.27	No	
MW-33	11/05/02	630.40	632.74	616.84	606.84	NP	0.00	15.54	13.20	617.20	Yes	
MW-33	12/23/02	630.40	632.74	616.84	606.84	NP	0.00	17.17	14.83	615.57	No	
MW-33	01/28/03	630.40	632.74	616.84	606.84	NP	0.00	17.80	15.46	614.94	No	
MW-33	02/19/03	630.40	632.74	616.84	606.84	NP	0.00	18.18	15.84	614.56	No	
MW-33	04/17/03	630.40	632.74	616.84	606.84	NP	0.00	18.80	16.46	613.94	No	
MW-33	10/20/03	630.40	632.74	616.84	606.84	NP	0.00	18.66	16.32	614.08	No	
MW-33	12/03/03	630.40	632.74	616.84	606.84	NP	0.00	18.95	16.61	613.79	No	
MW-33	04/19/04	630.61	632.85	616.84	606.84	NP	0.00	19.00	16.76	613.85	No	
MW-33	07/28/04	630.61	632.85	616.84	606.84	NP	0.00	17.45	15.21	615.40	No	
MW-33	11/16/04	630.61	632.85	616.84	606.84	NP	0.00	16.44	14.20	616.41	No	
MW-33	04/18/05	630.61	632.85	616.84	606.84	NP	0.00	16.48	14.24	616.37	No	
MW-33	10/11/05	630.61	632.85	616.84	606.84	NP	0.00	16.25	14.01	616.60	No	
MW-33	05/23/06	630.61	632.85	616.84	606.84	NP	0.00	14.54	12.30	618.31	Yes	
MW-33	10/16/06	630.61	632.85	616.84	606.84	NP	0.00	17.79	15.55	615.06	No	
MW-33	04/23/07	630.61	632.85	616.84	606.84	NP	0.00	18.24	16.00	614.61	No	
MW-33	09/25/07	630.61	632.85	616.84	606.84	NP	0.00	18.51	16.27	614.34	No	
MW-33	05/01/08	630.61	632.85	616.84	606.84	NP	0.00	14.95	12.71	617.90	Yes	
MW-33	10/20/08	630.61	632.85	616.84	606.84	NP	0.00	14.82	12.58	618.03	Yes	
MW-33	08/31/11	630.61	632.85	616.84	606.84	NP	0.00	14.33	12.09	618.52	Yes	
MW-33	10/10/11	630.61	632.85	616.84	606.84	NP	0.00	15.86	13.62	616.99	Yes	
MW-33	01/04/12	630.61	632.85	616.84	606.84	NP	0.00	17.56	15.32	615.29	No	
MW-33	04/16/12	630.61	632.85	616.84	606.84	NP	0.00	18.23	15.99	614.62	No	
MW-33	06/26/12	630.61	632.85	616.84	606.84	NP	0.00	12.72	10.48	620.13	Yes	
MW-33	09/30/12	630.61	632.85	616.84	606.84	NP	0.00	17.14	14.90	615.71	No	
MW-33	12/17/12	630.61	632.85	616.84	606.84	NP	0.00	18.20	15.96	614.65	No	
MW-33	03/25/13	630.61	632.85	616.84	606.84	NP	0.00	19.10	16.86	613.75	No	
MW-33	05/05/13	630.61	632.85	616.84	606.84	NP	0.00	18.19	15.95	614.66	No	
MW-33	05/20/14	630.61	632.85	616.84	606.84	NP	0.00	13.87	11.63	618.98	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-33	10/29/14	630.61	632.85	616.84	606.84	NP	0.00	15.40	13.16	617.45	Yes	
MW-33	05/06/15	630.61	632.85	616.84	606.84	NP	0.00	17.27	15.03	615.58	No	
MW-33	10/05/05	630.61	632.85	616.84	606.84	NP	0.00	16.76	14.52	616.09	No	
MW-33	05/23/16	630.61	632.85	616.84	606.84	NP	0.00	12.49	10.25	620.36	Yes	
MW-33	10/03/16	630.61	632.85	616.84	606.84	NP	0.00	15.07	12.83	617.78	Yes	
MW-33	06/29/17	630.61	632.85	616.84	606.84	NP	0.00	13.68	11.44	619.17	Yes	
MW-33	05/26/20	630.61	632.85	616.84	606.84	NP	0.00	12.92	10.68	619.93	Yes	
MW-33	05/24/21	630.61	632.85	616.84	606.84	NP	0.00	14.83	12.59	618.02	Yes	
MW-34	08/06/91	627.70	629.37	608.97	598.97	NP	0.00	12.55	10.88	616.82	Yes	
MW-34	10/08/91	627.70	629.37	608.97	598.97	NP	0.00	12.55	10.88	616.82	Yes	
MW-34	01/07/92	627.70	629.37	608.97	598.97	NP	0.00	12.99	11.32	616.38	Yes	
MW-34	10/14/92	627.70	629.37	608.97	598.97	NP	0.00	13.47	11.80	615.90	Yes	
MW-34	06/25/93	627.70	629.37	608.97	598.97	NP	0.00	10.32	8.65	619.05	Yes	
MW-34	10/28/93	627.70	629.37	608.97	598.97	NP	0.00	13.80	12.13	615.57	Yes	
MW-34	01/29/94	627.70	629.37	608.97	598.97	NP	0.00	14.41	12.74	614.96	Yes	
MW-34	04/27/94	627.70	629.37	608.97	598.97	NP	0.00	13.05	11.38	616.32	Yes	
MW-34	07/21/94	627.70	629.37	608.97	598.97	NP	0.00	13.17	11.50	616.20	Yes	
MW-34	10/25/94	627.70	629.37	608.97	598.97	NP	0.00	13.58	11.91	615.79	Yes	
MW-34	10/28/94	627.70	629.37	608.97	598.97	NP	0.00	13.34	11.67	616.03	Yes	
MW-34	04/04/95	627.70	629.37	608.97	598.97	NP	0.00	15.93	14.26	613.44	Yes	
MW-34	11/13/95	627.70	629.37	608.97	598.97	NP	0.00	12.73	11.06	616.64	Yes	
MW-34	04/22/96	627.70	629.37	608.97	598.97	NP	0.00	12.41	10.74	616.96	Yes	
MW-34	10/08/96	627.70	629.37	608.97	598.97	NP	0.00	12.87	11.20	616.50	Yes	
MW-34	04/29/97	627.70	629.37	608.97	598.97	NP	0.00	11.60	9.93	617.77	Yes	
MW-34	11/03/98	627.70	629.37	608.97	598.97	NP	0.00	15.20	13.53	614.17	Yes	
MW-34	03/02/99	627.70	629.37	608.97	598.97	NP	0.00	15.28	13.61	614.09	Yes	
MW-34	04/26/00	627.70	629.37	608.97	598.97	NP	0.00	13.67	12.00	615.70	Yes	
MW-34	10/10/00	627.70	629.37	608.97	598.97	NP	0.00	14.89	13.22	614.48	Yes	
MW-34	10/23/01	627.70	629.37	608.97	598.97	NP	0.00	15.09	13.42	614.28	Yes	
MW-34	04/23/02	627.70	629.37	608.97	598.97	NP	0.00	14.92	13.25	614.45	Yes	
MW-34	11/05/02	627.70	629.37	608.97	598.97	NP	0.00	13.15	11.48	616.22	Yes	
MW-34	04/17/03	627.70	629.37	608.97	598.97	NP	0.00	15.90	14.23	613.47	Yes	
MW-34	10/20/03	627.70	629.37	608.97	598.97	NP	0.00	15.64	13.97	613.73	Yes	
MW-34	04/19/04	627.72	629.45	608.97	598.97	NP	0.00	15.72	13.99	613.73	Yes	
MW-34	11/16/04	627.72	629.45	608.97	598.97	NP	0.00	13.47	11.74	615.98	Yes	
MW-34	04/18/05	627.72	629.45	608.97	598.97	NP	0.00	13.73	12.00	615.72	Yes	
MW-34	10/11/05	627.72	629.45	608.97	598.97	NP	0.00	13.51	11.78	615.94	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-34	05/23/06	627.72	629.45	608.97	598.97	NP	0.00	12.88	11.15	616.57	Yes	
MW-34	10/16/06	627.72	629.45	608.97	598.97	NP	0.00	14.99	13.26	614.46	Yes	
MW-34	04/23/07	627.72	629.45	608.97	598.97	NP	0.00	15.50	13.77	613.95	Yes	
MW-34	09/25/07	627.72	629.45	608.97	598.97	NP	0.00	15.42	13.69	614.03	Yes	
MW-34	05/01/08	627.72	629.45	608.97	598.97	NP	0.00	13.04	11.31	616.41	Yes	
MW-34	10/20/08	627.72	629.45	608.97	598.97	NP	0.00	12.76	11.03	616.69	Yes	
MW-34	04/18/09	627.72	629.45	608.97	598.97	NP	0.00	13.78	12.05	615.67	Yes	
MW-34	10/11/09	627.72	629.45	608.97	598.97	NP	0.00	14.88	13.15	614.57	Yes	
MW-34	04/28/10	627.72	629.45	608.97	598.97	NP	0.00	14.83	13.10	614.62	Yes	
MW-34	10/25/10	627.72	629.45	608.97	598.97	NP	0.00	13.44	11.71	616.01	Yes	
MW-34	04/25/11	627.72	629.45	608.97	598.97	NP	0.00	13.78	12.05	615.67	Yes	
MW-34	10/10/11	627.72	629.45	608.97	598.97	NP	0.00	13.99	12.26	615.46	Yes	
MW-34	01/04/12	627.72	629.45	608.97	598.97	NP	0.00	15.14	13.41	614.31	Yes	
MW-34	04/16/12	627.72	629.45	608.97	598.97	NP	0.00	15.78	14.05	613.67	Yes	
MW-34	06/26/12	627.72	629.45	608.97	598.97	NP	0.00	12.29	10.56	617.16	Yes	
MW-34	09/30/12	627.72	629.45	608.97	598.97	NP	0.00	14.82	13.09	614.63	Yes	
MW-34	12/17/12	627.72	629.45	608.97	598.97	NP	0.00	15.62	13.89	613.83	Yes	
MW-34	05/05/13	627.72	629.45	608.97	598.97	NP	0.00	15.64	13.91	613.81	Yes	
MW-34	10/01/13	627.72	629.45	608.97	598.97	NP	0.00	14.90	13.17	614.55	Yes	
MW-34	05/20/14	627.72	629.45	608.97	598.97	NP	0.00	11.74	10.01	617.71	Yes	
MW-34	10/29/14	627.72	629.45	608.97	598.97	NP	0.00	13.43	11.70	616.02	Yes	
MW-34	05/06/15	627.72	629.45	608.97	598.97	NP	0.00	14.58	12.85	614.87	Yes	
MW-34	10/06/15	627.72	629.45	608.97	598.97	NP	0.00	13.10	11.37	616.35	Yes	
MW-34	05/23/16	627.72	629.45	608.97	598.97	NP	0.00	12.02	10.29	617.43	Yes	
MW-34	10/03/16	627.72	629.45	608.97	598.97	NP	0.00	13.18	11.45	616.27	Yes	
MW-34	06/29/17	627.72	629.45	608.97	598.97	NP	0.00	12.71	10.98	616.74	Yes	
MW-34	06/03/19	627.72	629.45	608.97	598.97	NP	0.00	12.12	10.39	617.33	Yes	
MW-34	05/26/20	627.72	629.45	608.97	598.97	NP	0.00	13.89	12.16	615.56	Yes	
MW-34	05/25/21	627.72	629.45	608.97	598.97	NP	0.00	12.57	10.84	616.88	Yes	
MW-35	08/06/91	637.20	639.58	619.08	609.08	NP	0.00	16.96	14.58	622.62	Yes	
MW-35	10/08/91	637.20	639.58	619.08	609.08	NP	0.00	16.85	14.47	622.73	Yes	
MW-35	01/07/92	637.20	639.58	619.08	609.08	NP	0.00	17.28	14.90	622.30	Yes	
MW-35	10/14/92	637.20	639.58	619.08	609.08	NP	0.00	17.59	15.21	621.99	Yes	
MW-35	06/25/93	637.20	639.58	619.08	609.08	NP	0.00	14.39	12.01	625.19	Yes	
MW-35	10/28/93	637.20	639.58	619.08	609.08	NP	0.00	18.09	15.71	621.49	Yes	
MW-35	01/29/94	637.20	639.58	619.08	609.08	NP	0.00	19.41	17.03	620.17	Yes	
MW-35	04/27/94	637.20	639.58	619.08	609.08	NP	0.00	17.43	15.05	622.15	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MW-35	07/21/94	637.20	639.58	619.08	609.08	NP	0.00	17.35	14.97	622.23	Yes	
MW-35	10/25/94	637.20	639.58	619.08	609.08	NP	0.00	17.35	14.97	622.23	Yes	
MW-35	10/28/94	637.20	639.58	619.08	609.08	NP	0.00	16.93	14.55	622.65	Yes	
MW-35	02/01/95	637.20	639.58	619.08	609.08	NP	0.00	19.91	17.53	619.67	Yes	
MW-35	04/04/95	637.20	639.58	619.08	609.08	NP	0.00	20.35	17.97	619.23	Yes	
MW-35	07/12/95	637.20	639.58	619.08	609.08	NP	0.00	18.88	16.50	620.70	Yes	
MW-35	11/13/95	637.20	639.58	619.08	609.08	NP	0.00	17.05	14.67	622.53	Yes	
MW-35	03/13/96	637.20	639.58	619.08	609.08	NP	0.00	20.22	17.84	619.36	Yes	
MW-35	04/22/96	637.20	639.58	619.08	609.08	NP	0.00	17.12	14.74	622.46	Yes	
MW-35	10/08/96	637.20	639.58	619.08	609.08	NP	0.00	16.83	14.45	622.75	Yes	
MW-35	04/29/97	637.20	639.58	619.08	609.08	NP	0.00	13.95	11.57	625.63	Yes	
MW-35	11/03/98	637.20	639.58	619.08	609.08	NP	0.00	19.91	17.53	619.67	Yes	
MW-35	03/02/99	637.20	639.58	619.08	609.08	NP	0.00	21.59	19.21	617.99	No	
MW-35	04/26/00	637.20	639.58	619.08	609.08	NP	0.00	18.59	16.21	620.99	Yes	
MW-35	10/10/00	637.20	639.58	619.08	609.08	NP	0.00	21.90	19.52	617.68	No	
MW-35	10/23/01	637.20	639.58	619.08	609.08	NP	0.00	20.22	17.84	619.36	Yes	
MW-35	01/22/02	637.20	641.16	619.08	609.08	NP	0.00	22.09	18.13	619.07	No	
MW-35	02/26/02	637.20	641.16	619.08	609.08	NP	0.00	22.85	18.89	618.31	No	
MW-35	03/20/02	637.20	641.16	619.08	609.08	NP	0.00	23.07	19.11	618.09	No	
MW-35	04/23/02	637.20	641.16	619.08	609.08	NP	0.00	21.59	17.63	619.57	Yes	
MW-35	05/15/02	637.20	639.58	619.08	609.08	NP	0.00	18.47	16.09	621.11	Yes	
MW-35	08/20/02	637.20	639.58	619.08	609.08	NP	0.00	19.30	16.92	620.28	Yes	
MW-35	09/30/02	637.20	639.58	619.08	609.08	NP	0.00	18.78	16.40	620.80	Yes	
MW-35	11/05/02	637.20	639.58	619.08	609.08	NP	0.00	19.82	17.44	619.76	Yes	
MW-35	12/23/02	637.20	639.58	619.08	609.08	NP	0.00	21.83	19.45	617.75	No	
MW-35	01/28/03	637.20	639.58	619.08	609.08	NP	0.00	22.56	20.18	617.02	No	
MW-35	02/19/03	637.20	639.58	619.08	609.08	NP	0.00	23.12	20.74	616.46	No	
MW-35	04/17/03	637.20	639.58	619.08	609.08	NP	0.00	21.72	19.34	617.86	No	
MW-35	06/10/03	637.20	641.16	619.08	609.08	NP	0.00	22.07	18.11	619.09	Yes	
MW-35	10/20/03	637.20	641.16	619.08	609.08	NP	0.00	21.27	17.31	619.89	Yes	
MW-35	12/03/03	637.20	641.16	619.08	609.08	NP	0.00	23.21	19.25	617.95	No	
MW-35	04/19/04	637.55	639.74	619.08	609.08	NP	0.00	23.41	21.22	616.33	No	
MW-35	07/28/04	637.55	639.74	619.08	609.08	NP	0.00	20.06	17.87	619.68	Yes	
MW-35	11/16/04	637.55	639.74	619.08	609.08	NP	0.00	20.68	18.49	619.06	No	
MW-35	04/18/05	637.55	639.74	619.08	609.08	NP	0.00	21.63	19.44	618.11	No	
MW-35	10/11/05	637.55	639.74	619.08	609.08	NP	0.00	19.12	16.93	620.62	Yes	
MW-35	05/23/06	637.55	639.74	619.08	609.08	NP	0.00	17.97	15.78	621.77	Yes	
MW-35	10/16/06	637.55	639.74	619.08	609.08	NP	0.00	19.97	17.78	619.77	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

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MW-35	04/23/07	637.55	639.74	619.08	609.08	NP	0.00	21.26	19.07	618.48	No	
MW-35	09/25/07	637.55	639.74	619.08	609.08	NP	0.00	20.70	18.51	619.04	No	
MW-35	05/01/08	637.55	639.74	619.08	609.08	NP	0.00	18.73	16.54	621.01	Yes	
MW-35	10/20/08	637.55	639.74	619.08	609.08	NP	0.00	17.16	14.97	622.58	Yes	
MW-35	04/18/09	637.55	639.74	619.08	609.08	NP	0.00	19.34	17.15	620.40	Yes	
MW-35	10/11/09	637.55	639.74	619.08	609.08	NP	0.00	20.20	18.01	619.54	Yes	
MW-35	04/28/10	637.55	639.74	619.08	609.08	NP	0.00	20.26	18.07	619.48	Yes	
MW-35	10/25/10	637.55	639.74	619.08	609.08	NP	0.00	18.24	16.05	621.50	Yes	
MW-35	04/25/11	637.55	639.74	619.08	609.08	NP	0.00	19.61	17.42	620.13	Yes	
MW-35	10/10/11	637.55	639.74	619.08	609.08	NP	0.00	19.75	17.56	619.99	Yes	
MW-35	01/04/12	637.55	639.74	619.08	609.08	NP	0.00	21.18	18.99	618.56	No	
MW-35	04/16/12	637.55	639.74	619.08	609.08	NP	0.00	21.24	19.05	618.50	No	
MW-35	06/26/12	637.55	639.74	619.08	609.08	NP	0.00	17.50	15.31	622.24	Yes	
MW-35	09/30/12	637.55	639.74	619.08	609.08	NP	0.00	21.04	18.85	618.70	No	
MW-35	12/17/12	637.55	639.74	619.08	609.08	NP	0.00	21.53	19.34	618.21	No	
MW-35	03/25/13	637.55	639.74	619.08	609.08	NP	0.00	22.92	20.73	616.82	No	
MW-35	05/05/13	637.55	639.74	619.08	609.08	NP	0.00	21.67	19.48	618.07	No	
MW-35	10/01/13	637.55	639.74	619.08	609.08	NP	0.00	21.10	18.91	618.64	No	
MW-35	05/20/14	637.55	639.74	619.08	609.08	NP	0.00	18.50	16.31	621.24	Yes	
MW-35	10/29/14	637.55	639.74	619.08	609.08	NP	0.00	19.17	16.98	620.57	Yes	
MW-35	05/06/15	637.55	639.74	619.08	609.08	NP	0.00	21.75	19.56	617.99	No	
MW-35	10/06/15	637.55	639.74	619.08	609.08	NP	0.00	18.80	16.61	620.94	Yes	
MW-35	05/23/16	637.55	639.74	619.08	609.08	NP	0.00	16.94	14.75	622.80	Yes	
MW-35	10/03/16	637.55	639.74	619.08	609.08	NP	0.00	18.34	16.15	621.40	Yes	
MW-35	06/29/17	637.55	639.74	619.08	609.08	NP	0.00	17.96	15.77	621.78	Yes	
MW-35	05/26/20	637.55	639.74	619.08	609.08	NP	0.00	17.58	15.39	622.16	Yes	
MW-35	05/24/21	637.55	639.74	619.08	609.08	NP	0.00	19.47	17.28	620.27	Yes	
MW-47	10/03/16	630.30	632.46	618.30	608.30	NP	0.00	16.08	13.92	616.38	No	
MW-47	06/29/17	630.30	632.46	618.30	608.30	NP	0.00	15.90	13.74	616.56	No	
MW-47	05/26/20	630.30	632.46	618.30	608.30	NP	0.00	15.39	13.23	617.07	No	
MW-47	05/24/21	630.30	632.46	618.30	608.30	NP	0.00	16.50	14.34	615.96	No	
MWT-2S	10/21/03	630.07	632.65	620.70	605.70	NP	0.00	18.76	16.18	613.89	No	
MWT-2S	01/20/04	630.07	632.65	620.70	605.70	NP	0.00	19.35	16.77	613.30	No	
MWT-2S	04/19/04	630.07	632.65	620.70	605.70	NP	0.00	19.04	16.46	613.61	No	
MWT-2S	07/27/04	630.07	632.65	620.70	605.70	NP	0.00	17.71	15.13	614.94	No	
MWT-2S	11/16/04	630.07	632.65	620.70	605.70	NP	0.00	16.60	14.02	616.05	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

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MWT-2S	04/18/05	630.07	632.65	620.70	605.70	NP	0.00	16.65	14.07	616.00	No	
MWT-2S	10/11/05	630.07	632.65	620.70	605.70	NP	0.00	16.16	13.58	616.49	No	
MWT-2S	05/23/06	630.07	632.65	620.70	605.70	NP	0.00	15.07	12.49	617.58	No	
MWT-2S	10/16/06	630.07	632.65	620.70	605.70	NP	0.00	17.93	15.35	614.72	No	
MWT-2S	04/23/07	630.07	632.65	620.70	605.70	NP	0.00	18.46	15.88	614.19	No	
MWT-2S	09/25/07	630.07	632.52	620.70	605.70	NP	0.00	18.42	15.97	614.10	No	
MWT-2S	05/01/08	630.07	632.52	620.70	605.70	NP	0.00	15.80	13.35	616.72	No	
MWT-2S	10/20/08	630.07	632.52	620.70	605.70	NP	0.00	14.78	12.33	617.74	No	
MWT-2S	08/31/11	630.07	632.52	620.70	605.70	NP	0.00	14.77	12.32	617.75	No	
MWT-2S	10/10/11	630.07	632.52	620.70	605.70	NP	0.00	16.23	13.78	616.29	No	
MWT-2S	01/04/12	630.07	632.52	620.70	605.70	NP	0.00	17.75	15.30	614.77	No	
MWT-2S	04/16/12	630.07	632.52	620.70	605.70	NP	0.00	18.29	15.84	614.23	No	
MWT-2S	06/26/12	630.07	632.52	620.70	605.70	NP	0.00	13.47	11.02	619.05	No	
MWT-2S	09/30/12	630.07	632.52	620.70	605.70	NP	0.00	17.39	14.94	615.13	No	
MWT-2S	12/17/12	630.07	632.52	620.70	605.70	NP	0.00	18.29	15.84	614.23	No	
MWT-2S	03/25/13	630.07	632.52	620.70	605.70	NP	0.00	19.21	16.76	613.31	No	
MWT-2S	05/05/13	630.07	632.52	620.70	605.70	NP	0.00	18.26	15.81	614.26	No	
MWT-2S	05/20/14	630.07	632.52	620.70	605.70	NP	0.00	14.30	11.85	618.22	No	
MWT-2S	10/31/14	630.07	632.52	620.70	605.70	NP	0.00	15.89	13.44	616.63	No	
MWT-2S	05/06/15	630.07	632.52	620.70	605.70	NP	0.00	17.21	14.76	615.31	No	
MWT-2S	10/05/15	630.07	632.52	620.70	605.70	NP	0.00	15.64	13.19	616.88	No	
MWT-2S	05/23/16	630.07	632.52	620.70	605.70	NP	0.00	13.09	10.64	619.43	No	
MWT-2S	10/03/16	630.07	632.52	620.70	605.70	NP	0.00	15.30	12.85	617.22	No	
MWT-2S	06/29/17	630.07	632.52	620.70	605.70	NP	0.00	14.16	11.71	618.36	No	
MWT-2S	10/08/18	630.07	632.52	620.70	605.70	NP	0.00	16.08	13.63	616.44	No	
MWT-2S	06/03/19	630.07	632.52	620.70	605.70	NP	0.00	13.11	10.66	619.41	No	
MWT-2S	10/02/19	630.07	632.52	620.70	605.70	NP	0.00	15.52	13.07	617.00	No	
MWT-2S	05/26/20	630.07	632.52	620.70	605.70	NP	0.00	13.49	11.04	619.03	No	
MWT-2S	05/24/21	630.07	632.52	620.70	605.70	NP	0.00	13.73	11.28	618.79	No	
MWT-2D	10/21/03	630.05	632.47	577.85	572.85	NP	0.00	19.79	17.37	612.68	Yes	
MWT-2D	01/20/04	630.05	632.47	577.85	572.85	NP	0.00	20.45	18.03	612.02	Yes	
MWT-2D	04/19/04	630.05	632.47	577.85	572.85	NP	0.00	19.94	17.52	612.53	Yes	
MWT-2D	07/27/04	630.05	632.47	577.85	572.85	NP	0.00	18.99	16.57	613.48	Yes	
MWT-2D	11/16/04	630.05	632.47	577.85	572.85	NP	0.00	18.14	15.72	614.33	Yes	
MWT-2D	04/18/05	630.05	632.47	577.85	572.85	NP	0.00	18.46	16.04	614.01	Yes	
MWT-2D	10/11/05	630.05	632.47	577.85	572.85	NP	0.00	17.79	15.37	614.68	Yes	
MWT-2D	05/23/06	630.05	632.47	577.85	572.85	NP	0.00	17.18	14.76	615.29	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

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MWT-2D	10/16/06	630.05	632.47	577.85	572.85	NP	0.00	18.96	16.54	613.51	Yes	
MWT-2D	04/23/07	630.05	632.47	577.85	572.85	NP	0.00	19.37	16.95	613.10	Yes	
MWT-2D	05/01/08	630.05	632.47	577.85	572.85	NP	0.00	17.60	15.18	614.87	Yes	
MWT-2D	10/20/08	630.05	632.47	577.85	572.85	NP	0.00	16.59	14.17	615.88	Yes	
MWT-2D	08/31/11	630.05	632.47	577.85	572.85	NP	0.00	16.47	14.05	616.00	Yes	
MWT-2D	10/10/11	630.05	632.47	577.85	572.85	NP	0.00	17.69	15.27	614.78	Yes	
MWT-2D	01/04/12	630.05	632.47	577.85	572.85	NP	0.00	18.99	16.57	613.48	Yes	
MWT-2D	04/16/12	630.05	632.47	577.85	572.85	NP	0.00	19.23	16.81	613.24	Yes	
MWT-2D	06/26/12	630.05	632.47	577.85	572.85	NP	0.00	16.02	13.60	616.45	Yes	
MWT-2D	09/30/12	630.05	632.47	577.85	572.85	NP	0.00	18.76	16.34	613.71	Yes	
MWT-2D	12/17/12	630.05	632.47	577.85	572.85	NP	0.00	19.37	16.95	613.10	Yes	
MWT-2D	03/25/13	630.05	632.47	577.85	572.85	NP	0.00	20.27	17.85	612.20	Yes	
MWT-2D	10/03/13	630.05	632.47	577.85	572.85	NP	0.00	18.93	16.51	613.54	Yes	
MWT-2D	05/21/14	630.05	632.47	577.85	572.85	NP	0.00	16.53	14.11	615.94	Yes	
MWT-2D	10/30/14	630.05	632.47	577.85	572.85	NP	0.00	17.08	14.66	615.39	Yes	
MWT-2D	05/05/15	630.05	632.47	577.85	572.85	NP	0.00	18.63	16.21	613.84	Yes	
MWT-2D	10/07/15	630.05	630.05	577.85	572.85	NP	0.00	17.02	17.02	613.03	Yes	
MWT-2D	05/23/16	630.05	632.47	577.85	572.85	NP	0.00	15.38	12.96	617.09	Yes	
MWT-2D	10/03/16	630.05	632.47	577.85	572.85	NP	0.00	16.52	14.10	615.95	Yes	
MWT-2D	06/14/17	630.05	632.47	577.85	572.85	NP	0.00	15.47	13.05	617.00	Yes	
MWT-2D	10/03/17	630.05	632.47	577.85	572.85	NP	0.00	14.43	12.01	618.04	Yes	
MWT-2D	06/18/18	630.05	632.47	577.85	572.85	NP	0.00	16.22	13.80	616.25	Yes	
MWT-2D	06/27/18	630.05	632.47	577.85	572.85	NP	0.00	16.12	13.70	616.35	Yes	
MWT-2D	10/08/18	630.05	632.47	577.85	572.85	NP	0.00	17.06	14.64	615.41	Yes	
MWT-2D	06/03/19	630.05	632.47	577.85	572.85	NP	0.00	15.54	13.12	616.93	Yes	
MWT-2D	10/03/19	630.05	632.47	577.85	572.85	NP	0.00	16.57	14.15	615.90	Yes	
MWT-2D	05/26/20	630.05	632.47	577.85	572.85	NP	0.00	15.41	12.99	617.06	Yes	
MWT-2D	10/05/20	630.05	632.47	577.85	572.85	NP	0.00	17.19	14.77	615.28	Yes	
MWT-2D	05/24/21	630.05	632.47	577.85	572.85	NP	0.00	13.21	10.79	619.26	Yes	
MWT-6	10/23/03	635.01	637.51	623.01	613.01	21.98	0.59	22.57	19.61	615.40	No	
MWT-6	04/19/04	635.01	637.51	623.01	613.01	22.03	1.93	23.96	19.97	615.04	No	
MWT-6	11/15/04	635.01	637.51	623.01	613.01	20.34	1.71	22.05	18.23	616.78	No	
MWT-6	04/18/05	635.01	637.51	623.01	613.01	20.35	3.59	23.94	18.66	616.35	No	
MWT-6	10/11/05	635.01	637.51	623.01	613.01	NP	0.00	20.20	17.70	617.31	No	
MWT-6	05/23/06	635.01	637.51	623.01	613.01	NP	0.00	19.50	17.00	618.01	No	Sheen
MWT-6	10/16/06	635.01	637.51	623.01	613.01	20.56	0.12	20.68	18.09	616.92	No	Sheen
MWT-6	04/23/07	635.01	637.51	623.01	613.01	21.61	0.21	21.82	19.16	615.85	No	

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Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MWT-6	09/25/07	635.01	637.40	623.01	613.01	21.56	3.45	25.01	19.95	615.06	No	
MWT-6	05/01/08	635.01	637.40	623.01	613.01	21.33	1.11	22.44	19.19	615.82	No	
MWT-6	10/20/08	635.01	637.40	623.01	613.01	NP	0.00	19.99	17.60	617.41	No	WT rise
MWT-6	04/18/09	635.01	637.40	623.01	613.01	NP	0.00	20.67	18.28	616.73	No	
MWT-6	08/04/09	635.01	637.40	623.01	613.01	NP	0.00	21.05	18.66	616.35	No	
MWT-6	08/05/09	635.01	637.40	623.01	613.01	NP	0.00	21.05	18.66	616.35	No	
MWT-6	08/13/09	635.01	637.40	623.01	613.01	NP	0.00	21.03	18.64	616.37	No	
MWT-6	08/18/09	635.01	637.40	623.01	613.01	NP	0.00	21.05	18.66	616.35	No	
MWT-6	08/26/09	635.01	637.40	623.01	613.01	NP	0.00	20.95	18.56	616.45	No	
MWT-6	09/03/09	635.01	637.40	623.01	613.01	NP	0.00	20.75	18.36	616.65	No	
MWT-6	09/08/09	635.01	637.40	623.01	613.01	NP	0.00	20.69	18.30	616.71	No	
MWT-6	09/14/09	635.01	637.40	623.01	613.01	NP	0.00	20.64	18.25	616.76	No	
MWT-6	10/11/09	635.01	637.40	623.01	613.01	NP	0.00	21.09	18.70	616.31	No	
MWT-6	10/15/09	635.01	637.40	623.01	613.01	NP	0.00	21.09	18.70	616.31	No	
MWT-6	04/28/10	635.01	637.40	623.01	613.01	NP	0.00	21.35	18.96	616.05	No	
MWT-6	10/25/10	635.01	637.40	623.01	613.01	NP	0.00	19.28	16.89	618.12	No	
MWT-6	04/25/11	635.01	637.40	623.01	613.01	NP	0.00	20.41	18.02	616.99	No	
MWT-6	09/14/11	635.01	637.40	623.01	613.01	NP	0.00	19.43	17.04	617.97	No	
MWT-6	09/23/11	635.01	637.40	623.01	613.01	NP	0.00	19.52	17.13	617.88	No	
MWT-6	09/29/11	635.01	637.40	623.01	613.01	NP	0.00	19.41	17.02	617.99	No	
MWT-6	10/10/11	635.01	637.40	623.01	613.01	NP	0.00	19.62	17.23	617.78	No	
MWT-6	10/21/11	635.01	637.40	623.01	613.01	NP	0.00	19.97	17.58	617.43	No	
MWT-6	10/21/11	635.01	637.40	623.01	613.01	NP	0.00	20.08	17.69	617.32	No	
MWT-6	11/03/11	635.01	637.40	623.01	613.01	NP	0.00	20.23	17.84	617.17	No	
MWT-6	11/09/11	635.01	637.40	623.01	613.01	NP	0.00	20.22	17.83	617.18	No	
MWT-6	11/13/11	635.01	637.40	623.01	613.01	NP	0.00	20.31	17.92	617.09	No	
MWT-6	11/22/11	635.01	637.40	623.01	613.01	NP	0.00	20.42	18.03	616.98	No	
MWT-6	12/01/11	635.01	637.40	623.01	613.01	NP	0.00	20.68	18.29	616.72	No	
MWT-6	01/04/12	635.01	637.40	623.01	613.01	NP	0.00	20.98	18.59	616.42	No	
MWT-6	02/16/12	635.01	637.40	623.01	613.01	NP	0.00	21.56	19.17	615.84	No	
MWT-6	03/13/12	635.01	637.40	623.01	613.01	21.92	0.06	21.98	19.54	615.47	No	
MWT-6	04/16/12	635.01	637.40	623.01	613.01	NP	0.00	21.85	19.46	615.55	No	
MWT-6	06/26/12	635.01	637.40	623.01	613.01	NP	0.00	19.99	17.60	617.41	No	
MWT-6	07/24/12	635.01	637.40	623.01	613.01	NP	0.00	20.17	17.78	617.23	No	
MWT-6	08/19/12	635.01	637.40	623.01	613.01	NP	0.00	20.41	18.02	616.99	No	
MWT-6	09/17/12	635.01	637.40	623.01	613.01	NP	0.00	20.77	18.38	616.63	No	
MWT-6	09/30/12	635.01	637.40	623.01	613.01	NP	0.00	20.92	18.53	616.48	No	
MWT-6	11/21/12	635.01	637.40	623.01	613.01	NP	0.00	21.54	19.15	615.86	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
MWT-6	12/17/12	635.01	637.40	623.01	613.01	NP	0.00	21.79	19.40	615.61	No	
MWT-6	03/25/13	635.01	637.40	623.01	613.01	22.71	0.09	22.80	20.34	614.67	No	
MWT-6	05/05/13	635.01	637.40	623.01	613.01	NP	0.00	22.51	20.12	614.89	No	
MWT-6	10/01/13	635.01	637.40	623.01	613.01	NP	0.00	21.75	19.36	615.65	No	
MWT-6	05/21/14	635.01	637.40	623.01	613.01	NP	0.00	20.78	18.39	616.62	No	
MWT-6	10/30/14	635.01	637.40	623.01	613.01	NP	0.00	19.35	16.96	618.05	No	
MWT-6	05/06/15	635.01	637.40	623.01	613.01	NP	0.00	21.37	18.98	616.03	No	
MWT-6	10/06/15	635.01	637.40	623.01	613.01	NP	0.00	19.82	17.43	617.58	No	
MWT-6	05/23/16	635.01	637.40	623.01	613.01	NP	0.00	17.19	14.80	620.21	No	
MWT-6	10/03/16	635.01	637.40	623.01	613.01	18.63	0.10	18.73	16.26	618.75	No	
MWT-6	06/14/17	635.01	637.40	623.01	613.01	NP	0.00	16.22	13.83	621.18	No	
MWT-6	06/21/17	635.01	637.40	623.01	613.01	NP	0.00	17.76	15.37	619.64	No	
MWT-6	06/22/17	635.01	637.40	623.01	613.01	NP	0.00	17.57	15.18	619.83	No	
MWT-6	06/23/17	635.01	637.40	623.01	613.01	NP	0.00	17.65	15.26	619.75	No	
MWT-6	05/23/18	635.01	637.40	623.01	613.01	20.30	0.13	20.43	17.94	617.07	No	
MWT-6	05/02/19	635.01	637.40	623.01	613.01	20.10	0.14	20.24	17.74	617.27	No	
MWT-6	05/26/20	635.01	637.40	623.01	613.01	NP	0.00	17.23	14.84	620.17	No	
MWT-6	05/24/21	635.01	637.40	623.01	613.01	19.12	0.12	19.24	16.76	618.25	No	
RW-01	08/28/89	634.80	637.68	618.80	593.80	19.12	0.00	19.12	16.24	618.56	No	
RW-01	11/28/89	634.80	637.68	618.80	593.80	20.62	3.66	24.28	18.57	616.23	No	
RW-01	12/01/89	634.80	637.68	618.80	593.80	20.84	3.32	24.16	18.71	616.09	No	
RW-01	12/02/89	634.80	637.68	618.80	593.80	21.11	2.14	23.25	18.71	616.09	No	
RW-01	05/04/90	634.80	637.68	618.80	593.80	20.35	8.40	28.75	19.37	615.43	No	
RW-01	06/19/90	634.80	637.68	618.80	593.80	20.03	7.05	27.08	18.74	616.06	No	
RW-01	06/27/90	634.80	637.68	618.80	593.80	20.15	6.97	27.12	18.84	615.96	No	
RW-01	07/05/90	634.80	637.68	618.80	593.80	20.26	7.28	27.54	19.02	615.78	No	
RW-01	07/13/90	634.80	637.68	618.80	593.80	20.10	7.88	27.98	19.00	615.80	No	
RW-01	07/17/90	634.80	637.68	618.80	593.80	19.94	8.19	28.13	18.91	615.89	No	
RW-01	07/25/90	634.80	637.68	618.80	593.80	20.10	8.39	28.49	19.12	615.68	No	
RW-01	08/09/90	634.80	637.68	618.80	593.80	20.02	7.08	27.10	18.74	616.06	No	
RW-01	09/06/90	634.80	637.68	618.80	593.80	19.90	6.28	26.18	18.44	616.36	No	
RW-01	01/04/91	634.80	637.68	618.80	593.80	19.31	8.65	27.96	18.38	616.42	No	
RW-01	01/30/91	634.80	637.68	618.80	593.80	21.69	9.57	31.26	20.97	613.83	No	
RW-01	04/24/91	634.80	637.68	618.80	593.80	22.20	6.06	28.26	20.69	614.11	No	
RW-01	06/06/91	634.80	637.68	618.80	593.80	23.30	1.20	24.50	20.69	614.11	No	
RW-01	07/09/91	634.80	637.68	618.80	593.80	20.45	2.63	23.08	18.16	616.64	No	
RW-01	08/06/91	634.80	637.68	618.80	593.80	19.63	2.54	22.17	17.32	617.48	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-01	09/04/91	634.80	637.68	618.80	593.80	19.87	1.76	21.63	17.39	617.41	No	
RW-01	10/08/91	634.80	637.68	618.80	593.80	18.75	3.60	22.35	16.68	618.12	No	
RW-01	11/08/91	634.80	637.68	618.80	593.80	19.64	1.95	21.59	17.20	617.60	No	
RW-01	12/03/91	634.80	637.68	618.80	593.80	17.55	3.05	20.60	15.36	619.44	Yes	
RW-01	01/07/92	634.80	637.68	618.80	593.80	19.42	1.84	21.26	16.96	617.84	No	
RW-01	02/04/92	634.80	637.68	618.80	593.80	20.45	1.20	21.65	17.84	616.96	No	
RW-01	03/03/92	634.80	637.68	618.80	593.80	20.92	1.20	22.12	18.31	616.49	No	
RW-01	09/24/92	634.80	637.68	618.80	593.80	18.43	2.38	20.81	16.09	618.71	No	
RW-01	10/14/92	634.80	637.68	618.80	593.80	19.52	2.39	21.91	17.18	617.62	No	
RW-01	06/25/93	634.80	637.68	618.80	593.80	16.35	1.66	18.01	13.84	620.96	Yes	
RW-01	07/21/93	634.80	637.68	618.80	593.80	16.84	1.09	17.93	14.21	620.59	Yes	
RW-01	08/17/93	634.80	637.68	618.80	593.80	18.42	3.67	22.09	16.37	618.43	No	
RW-01	09/09/93	634.80	637.68	618.80	593.80	18.96	3.18	22.14	16.80	618.00	No	
RW-01	10/28/93	634.80	637.68	618.80	593.80	19.72	2.02	21.74	17.30	617.50	No	
RW-01	11/24/93	634.80	637.68	618.80	593.80	20.53	1.39	21.92	17.96	616.84	No	
RW-01	12/17/93	634.80	637.68	618.80	593.80	20.40	1.50	21.90	17.86	616.94	No	
RW-01	01/29/94	634.80	637.68	618.80	593.80	20.91	1.14	22.05	18.29	616.51	No	
RW-01	02/25/94	634.80	637.68	618.80	593.80	20.84	3.59	24.43	18.77	616.03	No	
RW-01	03/24/94	634.80	637.68	618.80	593.80	21.36	1.04	22.40	18.71	616.09	No	
RW-01	04/27/94	634.80	637.68	618.80	593.80	20.34	2.35	22.69	17.99	616.81	No	
RW-01	05/26/94	634.80	637.68	618.80	593.80	19.39	2.05	21.44	16.97	617.83	No	
RW-01	06/29/94	634.80	637.68	618.80	593.80	18.85	2.10	20.95	16.44	618.36	No	
RW-01	07/27/94	634.80	637.68	618.80	593.80	18.96	2.56	21.52	16.66	618.14	No	
RW-01	08/30/94	634.80	637.68	618.80	593.80	20.32	2.39	22.71	17.98	616.82	No	
RW-01	10/25/94	634.80	637.68	618.80	593.80	19.58	2.55	22.13	17.28	617.52	No	
RW-01	11/02/94	634.80	637.68	618.80	593.80	19.40	0.00	19.40	16.52	618.28	No	
RW-01	04/04/95	634.80	637.68	618.80	593.80	21.60	2.30	23.90	19.24	615.56	No	
RW-01	07/12/95	634.80	637.68	618.80	593.80	20.76	0.22	20.98	17.93	616.87	No	
RW-01	11/14/95	634.80	637.68	618.80	593.80	18.89	2.66	21.55	16.61	618.19	No	
RW-01	03/13/96	634.80	637.68	618.80	593.80	20.70	6.40	27.10	19.27	615.53	No	
RW-01	05/28/96	634.80	637.68	618.80	593.80	18.96	0.06	19.02	16.09	618.71	No	
RW-01	10/08/96	634.80	637.68	618.80	593.80	18.26	0.14	18.40	15.41	619.39	Yes	
RW-01	04/29/97	634.80	637.68	618.80	593.80	16.65	2.55	19.20	14.35	620.45	Yes	
RW-01	06/10/97	634.80	637.68	618.80	593.80	18.62	0.03	18.65	15.75	619.05	Yes	FP bailed 5/22/97
RW-01	11/03/98	634.80	637.68	618.80	593.80	20.81	7.93	28.74	19.72	615.08	No	
RW-01	10/07/99	634.80	637.68	618.80	593.80	17.80	2.92	20.72	15.58	619.22	Yes	
RW-01	11/09/99	634.80	637.68	618.80	593.80	17.72	1.60	19.32	15.20	619.60	Yes	Frerret pump installed
RW-01	12/21/99	634.80	637.68	618.80	593.80	19.65	1.85	21.50	17.19	617.61	No	bailed 20 gal. FP

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-01	01/27/00	634.80	637.68	618.80	593.80	20.28	2.37	22.65	17.94	616.86	No	Ferret pump operating
RW-01	02/24/00	634.80	637.68	618.80	593.80	20.53	1.05	21.58	17.89	616.91	No	bailed 2 gal. FP
RW-01	03/31/00	634.80	637.68	618.80	593.80	20.71	2.39	23.10	18.37	616.43	No	bailed 3 gal. FP/ instl. pump
RW-01	04/20/00	634.80	637.68	618.80	593.80	20.55	1.20	21.75	17.94	616.86	No	Ferret pump operating
RW-01	04/26/00	634.80	637.68	618.80	593.80	20.40	2.00	22.40	17.97	616.83	No	bailed 5 gal. FP
RW-01	05/31/00	634.80	637.68	618.80	593.80	20.76	1.09	21.85	18.13	616.67	No	bailed 3 gal. FP -instl. Skmmr.
RW-01	06/29/00	634.80	637.68	618.80	593.80	20.37	1.67	22.04	17.87	616.93	No	bailed 4 gal. FP
RW-01	07/26/00	634.80	637.68	618.80	593.80	20.55	1.47	22.02	18.00	616.80	No	bailed 2 gal. FP
RW-01	08/18/00	634.80	637.68	618.80	593.80	20.30	0.55	20.85	17.54	617.26	No	bailed 1 gal. FP- installed skimmer
RW-01	09/27/00	634.80	637.68	618.80	593.80	20.91	3.70	24.61	18.87	615.93	No	skimmer down-bailed 25 gal.FP
RW-01	10/11/00	634.80	637.68	618.80	593.80	20.90	3.55	24.45	18.82	615.98	No	skimmer down-bailed 24 gal.FP
RW-01	11/17/00	634.80	637.68	618.80	593.80	20.74	4.26	25.00	18.82	615.98	No	skimmer down-bailed 27 gal.FP
RW-01	12/12/00	634.80	637.68	618.80	593.80	20.85	3.31	24.16	18.72	616.08	No	skimmer down-bailed 15 gal.FP
RW-01	01/18/01	634.80	637.68	618.80	593.80	21.18	3.16	24.34	19.01	615.79	No	skimmer down-bailed 12 gal.FP
RW-01	04/24/01	634.80	637.68	618.80	593.80	20.81	4.12	24.93	18.86	615.94	No	product abated using vactruck
RW-01	05/23/01	634.80	637.68	618.80	593.80	20.81	0.00	20.81	17.93	616.87	No	skimmer pump operating
RW-01	06/19/01	634.80	637.68	618.80	593.80	20.04	0.20	20.24	17.21	617.59	No	
RW-01	07/26/01	634.80	637.68	618.80	593.80	20.74	0.05	20.79	17.87	616.93	No	
RW-01	08/31/01	634.80	637.68	618.80	593.80	21.11	0.27	21.38	18.29	616.51	No	
RW-01	09/26/01	634.80	637.68	618.80	593.80	21.26	0.86	22.12	18.57	616.23	No	
RW-01	10/24/01	634.80	637.68	618.80	593.80	21.02	2.88	23.90	18.79	616.01	No	
RW-01	12/20/01	634.80	637.68	618.80	593.80	21.19	4.70	25.89	19.37	615.43	No	
RW-01	01/22/02	634.80	637.68	618.80	593.80	21.34	4.73	26.07	19.53	615.27	No	
RW-01	02/26/02	634.80	637.68	618.80	593.80	21.57	7.25	28.82	20.33	614.47	No	
RW-01	03/20/02	634.80	637.68	618.80	593.80	21.84	5.76	27.60	20.26	614.54	No	
RW-01	04/24/02	634.80	637.68	618.80	593.80	21.06	5.93	26.99	19.52	615.28	No	
RW-01	05/15/02	634.80	637.68	618.80	593.80	20.88	4.61	25.49	19.04	615.76	No	
RW-01	06/27/02	634.80	637.68	618.80	593.80	21.04	2.66	23.70	18.76	616.04	No	
RW-01	07/25/02	634.80	637.68	618.80	593.80	NP	0.00	21.53	18.65	616.15	No	
RW-01	08/20/02	634.80	637.68	618.80	593.80	20.81	1.69	22.50	18.31	616.49	No	
RW-01	09/30/02	634.80	637.68	618.80	593.80	20.78	0.10	20.88	17.92	616.88	No	
RW-01	11/05/02	634.80	637.68	618.80	593.80	20.38	0.22	20.60	17.55	617.25	No	
RW-01	12/23/02	634.80	637.68	618.80	593.80	21.51	0.10	21.61	18.65	616.15	No	
RW-01	01/28/03	634.80	637.68	618.80	593.80	22.02	0.36	22.38	19.22	615.58	No	
RW-01	02/19/03	634.80	637.68	618.80	593.80	22.46	0.05	22.51	19.59	615.21	No	
RW-01	03/13/03	634.80	637.68	618.80	593.80	22.07	4.64	26.71	20.24	614.56	No	
RW-01	04/17/03	634.80	637.68	618.80	593.80	22.90	0.06	22.96	20.03	614.77	No	
RW-01	05/15/03	634.80	637.68	618.80	593.80	22.87	0.51	23.38	20.11	614.69	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-01	06/10/03	634.80	637.68	618.80	593.80	22.30	0.98	23.28	19.64	615.16	No	
RW-01	07/07/03	634.80	637.68	618.80	593.80	22.08	1.43	23.51	19.52	615.28	No	
RW-01	07/30/03	634.80	637.68	618.80	593.80	21.71	1.69	23.40	19.21	615.59	No	
RW-01	07/31/03	634.80	637.68	618.80	593.80	21.97	0.63	22.60	19.23	615.57	No	
RW-01	09/08/03	634.80	637.68	618.80	593.80	22.21	2.76	24.97	19.95	614.85	No	
RW-01	10/02/03	634.80	637.68	618.80	593.80	22.83	0.03	22.86	19.96	614.84	No	
RW-01	10/23/03	634.80	637.68	618.80	593.80	NP	0.00	22.92	20.04	614.76	No	
RW-01	12/03/03	634.80	637.68	618.80	593.80	23.04	0.14	23.18	20.19	614.61	No	
RW-01	01/20/04	634.80	637.68	618.80	593.80	23.27	0.23	23.50	20.44	614.36	No	removed skimming pump
RW-01	02/24/04	634.80	637.68	618.80	593.80	22.94	3.54	26.48	20.86	613.94	No	
RW-01	04/19/04	634.77	637.50	618.80	593.80	22.57	5.42	27.99	21.06	613.71	No	
RW-01	07/28/04	634.77	637.50	618.80	593.80	21.87	2.21	24.08	19.64	615.13	No	
RW-01	11/15/04	634.77	637.50	618.80	593.80	20.91	1.72	22.63	18.57	616.20	No	
RW-01	04/18/05	634.77	637.50	618.80	593.80	21.31	4.30	25.61	19.55	615.22	No	
RW-01	10/11/05	634.77	637.50	618.80	593.80	20.74	2.14	22.88	18.49	616.28	No	
RW-01	05/23/06	634.77	637.50	618.80	593.80	19.70	3.77	23.47	17.82	616.95	No	
RW-01	10/16/06	634.77	637.50	618.80	593.80	21.31	4.58	25.89	19.61	615.16	No	
RW-01	04/23/07	634.77	637.50	618.80	593.80	21.75	8.17	29.92	20.87	613.90	No	
RW-01	09/25/07	634.77	637.50	618.80	593.80	20.72	10.27	30.99	20.31	614.46	No	
RW-01	05/01/08	634.77	637.50	618.80	593.80	20.65	2.60	23.25	18.51	616.26	No	
RW-01	10/20/08	634.77	637.50	618.80	593.80	19.10	2.39	21.49	16.91	617.86	No	
RW-01	04/18/09	634.77	637.50	618.80	593.80	19.30	3.53	22.83	17.37	617.40	No	
RW-01	08/04/09	634.77	637.50	618.80	593.80	20.92	2.58	23.50	18.77	616.00	No	
RW-01	08/05/09	634.77	637.50	618.80	593.80	20.10	1.76	21.86	17.77	617.00	No	
RW-01	08/26/09	634.77	637.50	618.80	593.80	18.82	1.68	20.50	16.47	618.30	No	
RW-01	09/03/09	634.77	637.50	618.80	593.80	19.12	1.68	20.80	16.77	618.00	No	
RW-01	09/08/09	634.77	637.50	618.80	593.80	19.13	1.69	20.82	16.78	617.99	No	
RW-01	09/14/09	634.77	637.50	618.80	593.80	19.06	1.78	20.84	16.73	618.04	No	
RW-01	10/11/09	634.77	637.50	618.80	593.80	19.63	1.35	20.98	17.20	617.57	No	
RW-01	10/15/09	634.77	637.50	618.80	593.80	19.63	1.35	20.98	17.20	617.57	No	
RW-01	04/28/10	634.77	637.50	618.80	593.80	19.19	1.79	20.98	16.86	617.91	No	
RW-01	10/25/10	634.77	637.50	618.80	593.80	19.07	2.82	21.89	16.98	617.79	No	
RW-01	04/25/11	634.77	637.50	618.80	593.80	19.98	3.73	23.71	18.09	616.68	No	
RW-01	09/14/11	634.77	637.50	618.80	593.80	19.84	2.99	22.83	17.79	616.98	No	
RW-01	09/23/11	634.77	637.50	618.80	593.80	19.59	3.05	22.64	17.55	617.22	No	
RW-01	09/29/11	634.77	637.50	618.80	593.80	19.49	3.15	22.64	17.47	617.30	No	
RW-01	10/07/11	634.77	637.50	618.80	593.80	19.24	3.43	22.67	17.28	617.49	No	
RW-01	10/11/11	634.77	637.50	618.80	593.80	19.83	2.91	22.74	17.76	617.01	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-01	10/21/11	634.77	637.50	618.80	593.80	20.08	2.99	23.07	18.03	616.74	No	
RW-01	10/27/11	634.77	637.50	618.80	593.80	20.20	2.94	23.14	18.13	616.64	No	
RW-01	11/04/11	634.77	637.50	618.80	593.80	20.40	2.93	23.33	18.33	616.44	No	
RW-01	11/09/11	634.77	637.50	618.80	593.80	20.39	2.93	23.32	18.32	616.45	No	
RW-01	11/18/11	634.77	637.50	618.80	593.80	20.51	2.98	23.49	18.45	616.32	No	
RW-01	11/22/11	634.77	637.50	618.80	593.80	20.64	2.94	23.58	18.57	616.20	No	
RW-01	12/01/11	634.77	637.50	618.80	593.80	20.90	2.93	23.83	18.83	615.94	No	
RW-01	01/04/12	634.77	637.50	618.80	593.80	21.25	2.88	24.13	19.17	615.60	No	
RW-01	02/16/12	634.77	637.50	618.80	593.80	21.82	3.05	24.87	19.78	614.99	No	
RW-01	03/13/12	634.77	637.50	618.80	593.80	21.83	3.97	25.80	20.00	614.77	No	
RW-01	04/03/12	634.77	637.50	618.80	593.80	21.56	5.32	26.88	20.03	614.74	No	Spill Buddy Before Reading
RW-01	04/03/12	634.77	637.50	618.80	593.80	26.24	0.06	26.30	23.52	611.25	No	Spill Buddy After Reading
RW-01	04/16/12	634.77	637.50	618.80	593.80	21.74	4.12	25.86	19.94	614.83	No	
RW-01	05/10/12	634.77	637.50	618.80	593.80	20.36	5.49	25.85	18.87	615.90	No	Spill Buddy Before Reading
RW-01	05/10/12	634.77	637.50	618.80	593.80	24.73	0.06	24.79	22.01	612.76	No	Spill Buddy After Reading
RW-01	05/18/12	634.77	637.50	618.80	593.80	21.05	3.19	24.24	19.04	615.73	No	
RW-01	06/18/12	634.77	637.50	618.80	593.80	20.04	2.45	22.49	17.86	616.91	No	Spill Buddy Before Reading
RW-01	06/18/12	634.77	637.50	618.80	593.80	22.02	0.08	22.10	19.31	615.46	No	Spill Buddy After Reading
RW-01	06/26/12	634.77	637.50	618.80	593.80	19.62	0.13	19.75	16.92	617.85	No	
RW-01	07/12/12	634.77	637.50	618.80	593.80	20.05	0.11	20.16	17.34	617.43	No	
RW-01	07/24/12	634.77	637.50	618.80	593.80	20.46	0.17	20.63	17.77	617.00	No	
RW-01	08/17/12	634.77	637.50	618.80	593.80	20.80	0.16	20.96	18.11	616.66	No	
RW-01	09/17/12	634.77	637.50	618.80	593.80	21.33	0.19	21.52	18.64	616.13	No	
RW-01	09/30/12	634.77	637.50	618.80	593.80	21.58	0.18	21.76	18.89	615.88	No	
RW-01	11/21/12	634.77	637.50	618.80	593.80	21.67	2.43	24.10	19.49	615.28	No	
RW-01	12/17/12	634.77	637.50	618.80	593.80	21.59	4.38	25.97	19.85	614.92	No	
RW-01	03/25/13	634.77	637.50	618.80	593.80	21.29	10.99	32.28	21.04	613.73	No	
RW-01	04/02/13	634.77	637.50	618.80	593.80	21.84	10.50	32.34	21.48	613.29	No	Spill Buddy Before Reading
RW-01	04/02/13	634.77	637.50	618.80	593.80	30.12	1.66	31.78	27.76	607.01	No	Spill Buddy After Reading
RW-01	04/03/13	634.77	637.50	618.80	593.80	22.29	3.98	26.27	20.46	614.31	No	Spill Buddy Before Reading
RW-01	04/03/13	634.77	637.50	618.80	593.80	25.24	0.82	26.06	22.70	612.07	No	Spill Buddy After Reading
RW-01	04/29/13	634.77	637.50	618.80	593.80	21.54	5.49	27.03	20.05	614.72	No	Spill Buddy Before Reading
RW-01	04/29/13	634.77	637.50	618.80	593.80	24.90	1.94	26.84	22.61	612.16	No	Spill Buddy After Reading
RW-01	05/05/13	634.77	637.50	618.80	593.80	21.92	4.76	26.68	20.27	614.50	No	
RW-01	10/03/13	634.77	637.50	618.80	593.80	21.44	4.07	25.51	19.63	615.14	No	
RW-01	05/22/14	634.77	637.50	618.80	593.80	20.08	2.04	22.12	17.81	616.96	No	
RW-01	10/31/14	634.77	637.50	618.80	593.80	19.80	2.46	22.26	17.63	617.14	No	
RW-01	05/06/15	634.77	637.50	618.80	593.80	21.33	3.85	25.18	19.47	615.30	No	

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Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

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RW-01	07/10/15	634.77	637.50	618.80	593.80	20.21	3.59	23.80	18.29	616.48	No	
RW-01	10/05/15	634.77	637.50	618.80	593.80	20.14	0.15	20.29	17.44	617.33	No	
RW-01	05/23/16	634.77	637.50	618.80	593.80	16.90	4.28	21.18	15.14	619.63	Yes	
RW-01	10/03/16	634.77	637.50	618.80	593.80	18.29	4.90	23.19	16.67	618.10	No	
RW-01	06/14/17	634.77	637.50	618.80	593.80	16.89	4.85	21.74	15.26	619.51	Yes	
RW-01	06/21/17	634.77	637.50	618.80	593.80	17.43	5.00	22.43	15.83	618.94	Yes	
RW-01	06/22/17	634.77	637.50	618.80	593.80	17.62	2.73	20.35	15.51	619.26	Yes	
RW-01	06/23/17	634.77	637.50	618.80	593.80	17.67	2.58	20.25	15.52	619.25	Yes	
RW-01	06/29/17	634.77	637.50	618.80	593.80	18.05	2.88	20.93	15.97	618.80	No	
RW-01	10/26/17	634.77	637.50	618.80	593.80	14.70	7.65	22.35	13.70	621.07	Yes	
RW-01	05/15/18	634.77	637.50	618.80	593.80	20.26	3.47	23.73	18.31	616.46	No	
RW-01	05/23/18	634.77	637.50	618.80	593.80	20.50	2.10	22.60	18.24	616.53	No	
RW-01	05/02/19	634.77	637.50	618.80	593.80	19.67	3.74	23.41	17.78	616.99	No	
RW-01	07/25/19	634.77	637.50	618.80	593.80	18.61	4.76	23.37	16.96	617.81	No	
RW-01	05/26/20	634.77	637.50	618.80	593.80	16.97	6.57	23.54	15.72	619.05	Yes	
RW-01	05/24/21	634.77	637.50	618.80	593.80	19.25	3.92	23.17	17.41	617.36	No	
RW-02	05/04/90	635.60	638.06	614.00	589.00	21.70	8.75	30.45	21.22	614.53	Yes	
RW-02	06/01/90	635.60	638.06	614.00	589.00	20.90	10.30	31.20	20.77	615.00	Yes	
RW-02	06/19/90	635.60	638.06	614.00	589.00	20.73	10.58	31.31	20.66	615.11	Yes	
RW-02	06/27/90	635.60	638.06	614.00	589.00	20.88	10.35	31.23	20.76	615.01	Yes	
RW-02	07/05/90	635.60	638.06	614.00	589.00	21.07	10.42	31.49	20.96	614.80	Yes	
RW-02	07/13/90	635.60	638.06	614.00	589.00	21.05	10.55	31.60	20.97	614.80	Yes	
RW-02	07/17/90	635.60	638.06	614.00	589.00	20.78	10.96	31.74	20.80	614.98	Yes	
RW-02	07/25/90	635.60	638.06	614.00	589.00	21.04	10.84	31.88	21.03	614.75	Yes	
RW-02	08/09/90	635.60	638.06	614.00	589.00	20.87	11.14	32.01	20.93	614.85	Yes	
RW-02	09/06/90	635.60	638.06	614.00	589.00	20.50	10.99	31.49	20.52	615.26	Yes	
RW-02	01/04/91	635.60	638.06	614.00	589.00	20.25	10.88	31.13	20.25	615.53	Yes	
RW-02	01/30/91	635.60	638.06	614.00	589.00	20.58	11.50	32.08	20.72	615.07	Yes	
RW-02	04/24/91	635.60	638.06	614.00	589.00	20.58	9.11	29.69	20.18	615.57	Yes	
RW-02	06/06/91	635.60	638.06	614.00	589.00	22.00	2.16	24.16	20.03	615.61	Yes	
RW-02	07/09/91	635.60	638.06	614.00	589.00	18.30	5.48	23.78	17.08	618.61	Yes	
RW-02	08/06/91	635.60	638.06	614.00	589.00	18.11	2.18	20.29	16.14	619.49	Yes	
RW-02	09/04/91	635.60	638.06	614.00	589.00	18.27	2.21	20.48	16.31	619.33	Yes	
RW-02	10/08/91	635.60	638.06	614.00	589.00	17.40	2.22	19.62	15.44	620.19	Yes	
RW-02	11/08/91	635.60	638.06	614.00	589.00	18.07	1.92	19.99	16.04	619.59	Yes	
RW-02	12/03/91	635.60	638.06	614.00	589.00	16.27	1.90	18.17	14.24	621.39	Yes	
RW-02	01/07/92	635.60	638.06	614.00	589.00	18.25	1.88	20.13	16.21	619.42	Yes	

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Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

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RW-02	02/04/92	635.60	638.06	614.00	589.00	19.15	1.87	21.02	17.11	618.52	Yes	
RW-02	03/03/92	635.60	638.06	614.00	589.00	19.65	2.02	21.67	17.65	617.99	Yes	
RW-02	09/24/92	635.60	638.06	614.00	589.00	17.30	2.04	19.34	15.30	620.33	Yes	
RW-02	06/25/93	635.60	638.06	614.00	589.00	15.65	1.07	16.72	13.43	622.19	Yes	
RW-02	07/21/93	635.60	638.06	614.00	589.00	16.23	1.08	17.31	14.01	621.60	Yes	
RW-02	08/17/93	635.60	638.06	614.00	589.00	17.77	1.09	18.86	15.56	620.06	Yes	
RW-02	09/09/93	635.60	638.06	614.00	589.00	17.75	0.24	17.99	15.34	620.26	Yes	
RW-02	10/28/93	635.60	638.06	614.00	589.00	17.75	2.00	19.75	15.74	619.89	Yes	
RW-02	11/24/93	635.60	638.06	614.00	589.00	19.71	0.29	20.00	17.32	618.29	Yes	
RW-02	12/17/93	635.60	638.06	614.00	589.00	19.51	0.29	19.80	17.12	618.49	Yes	
RW-02	01/29/94	635.60	638.06	614.00	589.00	20.28	0.16	20.44	17.86	617.75	Yes	
RW-02	02/25/94	635.60	638.06	614.00	589.00	20.64	0.47	21.11	18.29	617.32	Yes	
RW-02	03/24/94	635.60	638.06	614.00	589.00	20.51	0.55	21.06	18.17	617.43	Yes	
RW-02	04/27/94	635.60	638.06	614.00	589.00	19.60	0.82	20.42	17.33	618.29	Yes	
RW-02	05/26/94	635.60	638.06	614.00	589.00	18.51	0.56	19.07	16.18	619.43	Yes	
RW-02	06/29/94	635.60	638.06	614.00	589.00	17.15	0.89	18.04	14.89	620.72	Yes	
RW-02	07/27/94	635.60	638.06	614.00	589.00	18.78	0.89	19.67	16.52	619.09	Yes	
RW-02	08/30/94	635.60	638.06	614.00	589.00	19.09	0.58	19.67	16.76	618.85	Yes	
RW-02	10/25/94	635.60	638.06	614.00	589.00	18.68	0.10	18.78	16.24	619.36	Yes	
RW-02	04/04/95	635.60	638.06	614.00	589.00	20.65	4.80	25.45	19.27	616.40	Yes	
RW-02	07/12/95	635.60	638.06	614.00	589.00	18.70	1.50	20.20	16.58	619.05	Yes	
RW-02	10/07/99	635.60	638.06	614.00	589.00	16.85	3.60	20.45	15.20	620.46	Yes	
RW-02	11/09/99	635.60	638.06	614.00	589.00	17.11	2.84	19.95	15.29	620.35	Yes	bailed 3 gal. FP
RW-02	12/21/99	635.60	638.06	614.00	589.00	18.95	0.07	19.02	16.51	619.10	Yes	bailed 0.25 gal. FP
RW-02	01/27/00	635.60	638.06	614.00	589.00	20.02	0.93	20.95	17.77	617.84	Yes	bailed 0.3 gal. FP
RW-02	02/24/00	635.60	638.06	614.00	589.00	20.53	1.05	21.58	18.31	617.31	Yes	bailed 1.5 gal. FP
RW-02	03/31/00	635.60	638.06	614.00	589.00	20.37	0.97	21.34	18.13	617.49	Yes	
RW-02	04/20/00	635.60	638.06	614.00	589.00	19.89	0.87	20.76	17.63	617.99	Yes	bailed 11 gal. FP
RW-02	04/26/00	635.60	638.06	614.00	589.00	18.54	8.98	27.52	18.11	617.64	Yes	bailed 1 gal. FP
RW-02	05/31/00	635.60	638.06	614.00	589.00	20.03	0.56	20.59	17.70	617.91	Yes	bailed 1 gal. FP
RW-02	06/29/00	635.60	638.06	614.00	589.00	19.65	0.65	20.30	17.34	618.27	Yes	bailed 1 gal. FP
RW-02	07/26/00	635.60	638.06	614.00	589.00	20.00	0.42	20.42	17.63	617.97	Yes	bailed 1 gal. FP
RW-02	08/18/00	635.60	638.06	614.00	589.00	19.87	0.09	19.96	17.43	618.17	Yes	bailed 0.125 gal. FP
RW-02	09/27/00	635.60	638.06	614.00	589.00	20.81	0.75	21.56	18.52	617.09	Yes	bailed 1.5 gal. FP
RW-02	10/11/00	635.60	638.06	614.00	589.00	20.86	0.44	21.30	18.50	617.11	Yes	bailed 1.75 gal. FP
RW-02	11/17/00	635.60	638.06	614.00	589.00	19.61	1.01	20.62	17.38	618.24	Yes	bailed 1.5 gal. FP
RW-02	12/12/00	635.60	638.06	614.00	589.00	20.40	0.02	20.42	17.94	617.66	Yes	bailed 0.1 gal. FP
RW-02	01/18/01	635.60	638.06	614.00	589.00	20.87	0.03	20.90	18.42	617.18	Yes	no product bailed

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-02	04/24/01	635.60	638.06	614.00	589.00	19.74	6.62	26.36	18.78	616.93	Yes	product abated using vactruck no product bailed
RW-02	05/23/01	635.60	638.06	614.00	589.00	18.32	6.23	24.55	17.27	618.43	Yes	
RW-02	06/19/01	635.60	638.06	614.00	589.00	18.28	6.00	24.28	17.18	618.52	Yes	
RW-02	07/26/01	635.60	638.06	614.00	589.00	19.46	5.63	25.09	18.27	617.42	Yes	
RW-02	08/31/01	635.60	638.06	614.00	589.00	19.67	5.73	25.40	18.50	617.19	Yes	
RW-02	09/26/01	635.60	638.06	614.00	589.00	19.85	5.87	25.72	18.72	616.98	Yes	
RW-02	10/24/01	635.60	638.06	614.00	589.00	19.80	4.10	23.90	18.27	617.40	Yes	
RW-02	12/20/01	635.60	638.06	614.00	589.00	19.96	6.25	26.21	18.91	616.79	Yes	
RW-02	01/22/02	635.60	638.06	614.00	589.00	20.37	6.39	26.76	19.35	616.35	Yes	
RW-02	02/26/02	635.60	638.06	614.00	589.00	20.89	6.86	27.75	19.98	615.73	Yes	
RW-02	03/20/02	635.60	638.06	614.00	589.00	21.08	7.31	28.39	20.27	615.45	Yes	
RW-02	04/24/02	635.60	638.06	614.00	589.00	19.73	8.79	28.52	19.26	616.49	Yes	
RW-02	05/15/02	635.60	638.06	614.00	589.00	19.14	8.88	28.02	18.69	617.06	Yes	
RW-02	06/27/02	635.60	638.06	614.00	589.00	19.37	8.50	27.87	18.83	616.91	Yes	
RW-02	07/25/02	635.60	638.06	614.00	589.00	19.39	8.37	27.76	18.82	616.91	Yes	
RW-02	08/20/02	635.60	638.06	614.00	589.00	19.08	8.42	27.50	18.52	617.21	Yes	
RW-02	09/30/02	635.60	638.06	614.00	589.00	18.23	8.58	26.81	17.71	618.03	Yes	
RW-02	12/23/02	635.60	638.06	614.00	589.00	19.81	7.33	27.14	19.01	616.71	Yes	
RW-02	01/28/03	635.60	638.06	614.00	589.00	20.62	7.47	28.09	19.85	615.87	Yes	
RW-02	02/19/03	635.60	638.06	614.00	589.00	20.97	7.84	28.81	20.28	615.45	Yes	
RW-02	04/17/03	635.60	638.06	614.00	589.00	21.40	8.73	30.13	20.91	614.83	Yes	
RW-02	05/15/03	635.60	638.06	614.00	589.00	21.32	8.94	30.26	20.88	614.87	Yes	
RW-02	06/10/03	635.60	638.06	614.00	589.00	20.72	9.37	30.09	20.38	615.38	Yes	
RW-02	07/31/03	635.60	638.06	614.00	589.00	20.04	9.89	29.93	19.81	615.95	Yes	
RW-02	09/08/03	635.60	638.06	614.00	589.00	24.31	5.99	30.30	23.20	612.49	No	
RW-02	09/11/03	635.60	638.06	614.00	589.00	21.66	1.63	23.29	19.57	616.06	Yes	
RW-02	10/02/03	635.60	638.06	614.00	589.00	21.48	3.56	25.04	19.82	615.83	Yes	
RW-02	10/23/03	635.60	638.06	614.00	589.00	21.50	4.56	26.06	20.07	615.60	Yes	
RW-02	12/03/03	635.60	638.06	614.00	589.00	21.52	5.93	27.45	20.40	615.30	Yes	
RW-02	01/20/04	635.60	638.06	614.00	589.00	21.90	7.29	29.19	21.09	614.63	Yes	started skimming pump
RW-02	02/24/04	635.60	638.06	614.00	589.00	23.43	0.18	23.61	21.01	614.59	Yes	
RW-02	03/22/04	635.60	638.06	614.00	589.00	22.65	4.18	26.83	21.13	614.53	Yes	pump inoperative
RW-02	07/28/04	635.92	638.13	614.00	589.00	21.32	0.67	21.99	19.26	616.67	Yes	pump inoperative
RW-02	11/15/04	635.92	638.13	614.00	589.00	17.04	0.42	17.46	14.92	621.00	Yes	
RW-02	04/18/05	635.92	638.13	614.00	589.00	NP	0.00	19.34	17.13	618.79	Yes	
RW-02	10/11/05	635.92	638.13	614.00	589.00	NP	0.00	23.22	21.01	614.91	Yes	21.92
RW-02	05/23/06	635.92	638.13	614.00	589.00	NP	0.00	16.33	14.12	621.80	Yes	
RW-02	10/16/06	635.92	638.13	614.00	589.00	NP	0.00	22.64	20.43	615.49	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-02	09/14/11	635.60	635.38	613.68	588.68	NP	0.00	15.25	15.47	620.13	Yes	TFRT System Down on 8/31/11 for well recovery test
RW-02	09/23/11	635.60	635.38	613.68	588.68	NP	0.00	15.33	15.55	620.05	Yes	
RW-02	09/29/11	635.60	635.38	613.68	588.68	NP	0.00	15.87	16.09	619.51	Yes	
RW-02	10/07/11	635.60	635.38	613.68	588.68	NP	0.00	15.85	16.07	619.53	Yes	
RW-02	10/13/11	635.60	635.38	613.68	588.68	NP	0.00	15.76	15.98	619.62	Yes	
RW-02	10/21/11	635.60	635.38	613.68	588.68	NP	0.00	15.64	15.86	619.74	Yes	
RW-02	10/27/11	635.60	635.38	613.68	588.68	NP	0.00	16.06	16.28	619.32	Yes	
RW-02	11/01/11	635.60	635.38	613.68	588.68	NP	0.00	15.95	16.17	619.43	Yes	Conducted 2011 annual well pump maintenance
RW-02	11/09/11	635.60	635.38	613.68	588.68	NP	0.00	16.20	16.42	619.18	Yes	
RW-02	11/18/11	635.60	635.38	613.68	588.68	NP	0.00	16.49	16.71	618.89	Yes	
RW-02	11/30/11	635.60	635.38	613.68	588.68	NP	0.00	16.83	17.05	618.55	Yes	with only EW 4 & EW 5
RW-02	09/18/12	635.60	635.38	613.68	588.68	17.84	0.06	17.90	18.08	617.53	Yes	
RW-02	11/21/12	635.60	635.38	613.68	588.68	18.60	0.10	18.70	18.85	616.76	Yes	
RW-02	03/25/13	635.60	635.38	613.68	588.68	NM	NM	NM			NM	Too Much Snow on Well
RW-02	05/05/13	635.60	635.38	613.68	588.68	17.10	0.84	17.94	17.51	618.10	Yes	
RW-02	10/03/13	635.60	635.38	613.68	588.68	18.44	0.81	19.25	18.85	616.77	Yes	
RW-03	05/04/90	634.00	636.96	612.50	587.50	NP	0.00	22.55	19.59	614.41	Yes	
RW-03	06/01/90	634.00	636.96	612.50	587.50	NP	0.00	22.15	19.19	614.81	Yes	
RW-03	06/19/90	634.00	636.96	612.50	587.50	22.03	0.01	22.04	19.07	614.93	Yes	
RW-03	06/27/90	634.00	636.96	612.50	587.50	NP	0.00	22.18	19.22	614.78	Yes	
RW-03	07/05/90	634.00	636.96	612.50	587.50	NP	0.00	22.30	19.34	614.66	Yes	
RW-03	07/13/90	634.00	636.96	612.50	587.50	NP	0.00	22.18	19.22	614.78	Yes	
RW-03	07/17/90	634.00	636.96	612.50	587.50	NP	0.00	22.08	19.12	614.88	Yes	
RW-03	07/25/90	634.00	636.96	612.50	587.50	NP	0.00	22.18	19.22	614.78	Yes	
RW-03	08/09/90	634.00	636.96	612.50	587.50	21.83	0.33	22.16	18.94	615.06	Yes	
RW-03	09/06/90	634.00	636.96	612.50	587.50	NP	0.00	21.88	18.92	615.08	Yes	
RW-03	01/04/91	634.00	636.96	612.50	587.50	NP	0.00	21.45	18.49	615.51	Yes	
RW-03	01/30/91	634.00	636.96	612.50	587.50	NP	0.00	21.67	18.71	615.29	Yes	
RW-03	04/24/91	634.00	636.96	612.50	587.50	NP	0.00	21.86	18.90	615.10	Yes	
RW-03	07/09/91	634.00	636.96	612.50	587.50	NP	0.00	19.48	16.52	617.48	Yes	
RW-03	10/08/91	634.00	636.96	612.50	587.50	NP	0.00	18.04	15.08	618.92	Yes	
RW-03	01/07/92	634.00	636.96	612.50	587.50	NP	0.00	18.62	15.66	618.34	Yes	
RW-03	10/14/92	634.00	636.96	612.50	587.50	NP	0.00	18.82	15.86	618.14	Yes	
RW-03	06/25/93	634.00	636.96	612.50	587.50	NP	0.00	16.06	13.10	620.90	Yes	
RW-03	10/28/93	634.00	636.96	612.50	587.50	NP	0.00	19.38	16.42	617.58	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-03	01/29/94	634.00	636.96	612.50	587.50	NP	0.00	20.24	17.28	616.72	Yes	
RW-03	04/27/94	634.00	636.96	612.50	587.50	NP	0.00	19.70	16.74	617.26	Yes	
RW-03	07/21/94	634.00	636.96	612.50	587.50	NP	0.00	18.70	15.74	618.26	Yes	
RW-03	10/25/94	634.00	636.96	612.50	587.50	NP	0.00	19.21	16.25	617.75	Yes	
RW-03	02/01/95	634.00	636.96	612.50	587.50	NP	0.00	20.75	17.79	616.21	Yes	
RW-03	04/04/95	634.00	636.96	612.50	587.50	NP	0.00	21.38	18.42	615.58	Yes	
RW-03	07/12/95	634.00	636.96	612.50	587.50	NP	0.00	20.10	17.14	616.86	Yes	
RW-03	11/03/98	634.00	636.96	612.50	587.50	NP	0.00	21.13	18.17	615.83	Yes	
RW-03	03/02/99	634.00	636.96	612.50	587.50	NP	0.00	21.40	18.44	615.56	Yes	
RW-03	10/07/99	634.00	636.96	612.50	587.50	NP	0.00	17.89	14.93	619.07	Yes	
RW-03	11/09/99	634.00	636.96	612.50	587.50	NP	0.00	17.67	14.71	619.29	Yes	
RW-03	12/21/99	634.00	636.96	612.50	587.50	NP	0.00	19.25	16.29	617.71	Yes	
RW-03	01/27/00	634.00	636.96	612.50	587.50	NP	0.00	20.32	17.36	616.64	Yes	
RW-03	02/24/00	634.00	636.96	612.50	587.50	NP	0.00	20.81	17.85	616.15	Yes	
RW-03	03/31/00	634.00	636.96	612.50	587.50	NP	0.00	20.53	17.57	616.43	Yes	
RW-03	04/20/00	634.00	636.96	612.50	587.50	NP	0.00	20.04	17.08	616.92	Yes	
RW-03	04/26/00	634.00	636.96	612.50	587.50	NP	0.00	20.13	17.17	616.83	Yes	
RW-03	05/31/00	634.00	636.96	612.50	587.50	NP	0.00	20.14	17.18	616.82	Yes	
RW-03	06/29/00	634.00	636.96	612.50	587.50	NP	0.00	19.93	16.97	617.03	Yes	
RW-03	07/26/00	634.00	636.96	612.50	587.50	NP	0.00	19.93	16.97	617.03	Yes	
RW-03	08/18/00	634.00	636.96	612.50	587.50	NP	0.00	20.48	17.52	616.48	Yes	
RW-03	09/27/00	634.00	636.96	612.50	587.50	NP	0.00	20.98	18.02	615.98	Yes	
RW-03	10/11/00	634.00	636.96	612.50	587.50	NP	0.00	21.08	18.12	615.88	Yes	
RW-03	11/17/00	634.00	636.96	612.50	587.50	NP	0.00	20.71	17.75	616.25	Yes	
RW-03	12/12/00	634.00	636.96	612.50	587.50	NP	0.00	20.74	17.78	616.22	Yes	
RW-03	01/18/01	634.00	636.96	612.50	587.50	NP	0.00	21.13	18.17	615.83	Yes	
RW-03	06/19/01	634.00	636.96	612.50	587.50	NP	0.00	19.41	16.45	617.55	Yes	
RW-03	08/31/01	634.00	636.96	612.50	587.50	NP	0.00	20.72	17.76	616.24	Yes	
RW-03	02/26/02	634.00	636.96	612.50	587.50	NP	0.00	21.95	18.99	615.01	Yes	
RW-03	03/20/02	634.00	636.96	612.50	587.50	NP	0.00	22.14	19.18	614.82	Yes	
RW-03	08/20/02	634.00	636.96	612.50	587.50	NP	0.00	20.47	17.51	616.49	Yes	
RW-03	08/20/02	634.00	636.96	612.50	587.50	NP	0.00	20.47	17.51	616.49	Yes	
RW-03	06/10/03	634.00	636.96	612.50	587.50	NP	0.00	21.51	18.55	615.45	Yes	
RW-03	12/03/03	634.00	636.96	612.50	587.50	NP	0.00	22.15	19.19	614.81	Yes	
RW-03	04/19/04	634.20	636.75	612.50	587.50	NP	0.00	22.51	19.96	614.24	Yes	
RW-03	07/28/04	634.20	636.75	612.50	587.50	NP	0.00	21.32	18.77	615.43	Yes	
RW-03	07/28/04	634.20	636.75	612.50	587.50	NP	0.00	20.31	17.76	616.44	Yes	
RW-03	11/15/04	634.20	636.75	612.50	587.50	NP	0.00	20.31	17.76	616.44	Yes	

Table 3
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Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-03	04/18/05	634.20	636.75	612.50	587.50	NP	0.00	20.81	18.26	615.94	Yes	
RW-03	10/11/05	634.20	636.75	612.50	587.50	NP	0.00	20.15	17.60	616.60	Yes	
RW-03	05/23/06	634.20	636.75	612.50	587.50	NP	0.00	19.16	16.61	617.59	Yes	
RW-03	10/16/06	634.20	636.75	612.50	587.50	NP	0.00	20.75	18.20	616.00	Yes	
RW-03	04/23/07	634.20	636.75	612.50	587.50	NP	0.00	21.68	19.13	615.07	Yes	
RW-03	09/25/07	634.20	636.75	612.50	587.50	NP	0.00	21.62	19.07	615.13	Yes	
RW-03	05/01/08	634.20	636.75	612.50	587.50	NP	0.00	20.01	17.46	616.74	Yes	
RW-03	10/20/08	634.20	636.75	612.50	587.50	NP	0.00	18.51	15.96	618.24	Yes	
RW-03	04/18/09	634.20	636.75	612.50	587.50	NP	0.00	19.63	17.08	617.12	Yes	
RW-03	10/11/09	634.20	636.75	612.50	587.50	NP	0.00	20.50	17.95	616.25	Yes	
RW-03	04/28/10	634.20	636.75	612.50	587.50	NP	0.00	20.55	18.00	616.20	Yes	
RW-03	10/25/10	634.20	636.75	612.50	587.50	NP	0.00	18.39	15.84	618.36	Yes	
RW-03	04/25/11	634.20	636.75	612.50	587.50	NP	0.00	19.39	16.84	617.36	Yes	
RW-03	09/14/11	634.20	636.75	612.50	587.50	NP	0.00	18.85	16.30	617.90	Yes	
RW-03	09/23/11	634.20	636.75	612.50	587.50	NP	0.00	19.05	16.50	617.70	Yes	
RW-03	09/29/11	634.20	636.75	612.50	587.50	NP	0.00	18.91	16.36	617.84	Yes	
RW-03	10/07/11	634.20	636.75	612.50	587.50	NP	0.00	19.08	16.53	617.67	Yes	
RW-03	10/11/11	634.20	636.75	612.50	587.50	NP	0.00	19.22	16.67	617.53	Yes	
RW-03	10/21/11	634.20	636.75	612.50	587.50	NP	0.00	19.45	16.90	617.30	Yes	
RW-03	10/27/11	634.20	636.75	612.50	587.50	NP	0.00	19.59	17.04	617.16	Yes	
RW-03	11/04/11	634.20	636.75	612.50	587.50	NP	0.00	19.82	17.27	616.93	Yes	
RW-03	11/09/11	634.20	636.75	612.50	587.50	NP	0.00	19.70	17.15	617.05	Yes	
RW-03	11/18/11	634.20	636.75	612.50	587.50	NP	0.00	19.86	17.31	616.89	Yes	
RW-03	11/22/11	634.20	636.75	612.50	587.50	NP	0.00	20.01	17.46	616.74	Yes	
RW-03	12/01/11	634.20	636.75	612.50	587.50	NP	0.00	20.40	17.85	616.35	Yes	
RW-03	01/04/12	634.20	636.75	612.50	587.50	NP	0.00	20.70	18.15	616.05	Yes	
RW-03	02/16/12	634.20	636.75	612.50	587.50	NP	0.00	21.30	18.75	615.45	Yes	
RW-03	03/16/12	634.20	636.75	612.50	587.50	NP	0.00	21.45	18.90	615.30	Yes	
RW-03	04/16/12	634.20	636.75	612.50	587.50	NP	0.00	21.55	19.00	615.20	Yes	
RW-03	05/18/12	634.20	636.75	612.50	587.50	NP	0.00	20.51	17.96	616.24	Yes	
RW-03	06/26/12	634.20	636.75	612.50	587.50	NP	0.00	18.54	15.99	618.21	Yes	
RW-03	07/24/12	634.20	636.75	612.50	587.50	NP	0.00	19.35	16.80	617.40	Yes	
RW-03	08/17/12	634.20	636.75	612.50	587.50	NP	0.00	19.70	17.15	617.05	Yes	
RW-03	09/17/12	634.20	636.75	612.50	587.50	NP	0.00	20.24	17.69	616.51	Yes	
RW-03	09/30/12	634.20	636.75	612.50	587.50	NP	0.00	20.45	17.90	616.30	Yes	
RW-03	11/21/12	634.20	636.75	612.50	587.50	NP	0.00	20.96	18.41	615.79	Yes	
RW-03	12/17/12	634.20	636.75	612.50	587.50	NP	0.00	21.16	18.61	615.59	Yes	
RW-03	03/25/13	634.20	636.75	612.50	587.50	NP	0.00	22.11	19.56	614.64	Yes	

Table 3
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-03	05/05/13	634.20	636.75	612.50	587.50	NP	0.00	21.68	19.13	615.07	Yes	
RW-03	10/01/13	634.20	636.75	612.50	587.50	NP	0.00	20.96	18.41	615.79	Yes	
RW-03	05/21/14	634.20	636.75	612.50	587.50	NP	0.00	19.42	16.87	617.33	Yes	
RW-03	10/30/14	634.20	636.75	612.50	587.50	NP	0.00	18.87	16.32	617.88	Yes	
RW-03	05/06/15	634.20	636.75	612.50	587.50	NP	0.00	20.85	18.30	615.90	Yes	
RW-03	10/07/15	634.20	636.75	612.50	587.50	NP	0.00	19.11	16.56	617.64	Yes	
RW-03	05/23/16	634.20	636.75	612.50	587.50	NP	0.00	16.51	13.96	620.24	Yes	
RW-03	10/03/16	634.20	636.75	612.50	587.50	NP	0.00	18.01	15.46	618.74	Yes	
RW-03	06/14/17	634.20	636.75	612.50	587.50	NP	0.00	16.68	14.13	620.07	Yes	
RW-03	06/21/17	634.20	636.75	612.50	587.50	NP	0.00	17.13	14.58	619.62	Yes	
RW-03	06/22/17	634.20	636.75	612.50	587.50	NP	0.00	16.98	14.43	619.77	Yes	
RW-03	06/23/17	634.20	636.75	612.50	587.50	NP	0.00	17.05	14.50	619.70	Yes	
RW-03	05/26/20	634.20	636.75	612.50	587.50	NP	0.00	16.65	14.10	620.10	Yes	
RW-03	05/24/21	634.20	636.75	612.50	587.50	NP	0.00	18.56	16.01	618.19	Yes	
RW-04	06/01/90	634.70	636.48	612.80	587.80	21.52	4.80	26.32	20.82	613.87	Yes	
RW-04	01/04/91	634.70	636.48	612.80	587.80	20.95	2.81	23.76	19.80	614.89	Yes	
RW-04	01/30/91	634.70	636.48	612.80	587.80	21.10	2.45	23.55	19.87	614.82	Yes	
RW-04	04/24/91	634.70	636.48	612.80	587.80	21.20	2.59	23.79	20.00	614.69	Yes	
RW-04	06/06/91	634.70	636.48	612.80	587.80	19.97	2.27	22.24	18.70	615.99	Yes	
RW-04	07/09/91	634.70	636.48	612.80	587.80	19.02	2.20	21.22	17.74	616.96	Yes	
RW-04	08/06/91	634.70	636.48	612.80	587.80	18.13	2.25	20.38	16.86	617.84	Yes	
RW-04	09/04/91	634.70	636.48	612.80	587.80	18.07	2.60	20.67	16.88	617.82	Yes	
RW-04	10/08/91	634.70	636.48	612.80	587.80	17.13	2.70	19.83	15.96	618.73	Yes	
RW-04	11/08/91	634.70	636.48	612.80	587.80	17.66	3.05	20.71	16.57	618.12	Yes	
RW-04	12/03/91	634.70	636.48	612.80	587.80	15.95	3.47	19.42	14.95	619.74	Yes	
RW-04	01/07/92	634.70	636.48	612.80	587.80	17.40	3.47	20.87	16.40	618.29	Yes	
RW-04	02/04/92	634.70	636.48	612.80	587.80	18.15	3.22	21.37	17.10	617.60	Yes	
RW-04	03/03/92	634.70	636.48	612.80	587.80	18.56	3.14	21.70	17.49	617.20	Yes	
RW-04	09/24/92	634.70	636.48	612.80	587.80	16.57	4.98	21.55	15.91	618.77	Yes	
RW-04	10/14/92	634.70	636.48	612.80	587.80	17.60	4.07	21.67	16.74	617.95	Yes	
RW-04	06/25/93	634.70	636.48	612.80	587.80	14.49	4.87	19.36	13.81	620.88	Yes	
RW-04	10/28/93	634.70	636.48	612.80	587.80	18.16	3.47	21.63	17.16	617.53	Yes	
RW-04	01/29/94	634.70	636.48	612.80	587.80	18.87	3.48	22.35	17.88	616.82	Yes	
RW-04	04/27/94	634.70	636.48	612.80	587.80	18.67	3.42	22.09	17.66	617.03	Yes	
RW-04	07/21/94	634.70	636.48	612.80	587.80	17.34	4.22	21.56	16.51	618.18	Yes	
RW-04	10/25/94	634.70	636.48	612.80	587.80	17.95	4.02	21.97	17.08	617.61	Yes	
RW-04	11/02/94	634.70	636.48	612.80	587.80	17.55	3.95	21.50	16.66	618.03	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-04	02/01/95	634.70	636.48	612.80	587.80	14.95	8.25	23.20	15.03	619.65	Yes	
RW-04	04/04/95	634.70	636.48	612.80	587.80	15.60	9.85	25.45	16.04	618.63	Yes	
RW-04	11/14/95	634.70	636.48	612.80	587.80	15.08	5.24	20.32	14.48	620.21	Yes	
RW-04	11/09/99	634.70	636.48	612.80	587.80	15.85	6.23	22.08	15.48	619.21	Yes	bailed 11 gal FP
RW-04	12/21/99	634.70	636.48	612.80	587.80	18.55	1.14	19.69	17.03	617.67	Yes	bailed 2 gal FP
RW-04	01/27/00	634.70	636.48	612.80	587.80	19.30	1.55	20.85	17.87	616.83	Yes	bailed 0.2 gal FP
RW-04	02/24/00	634.70	636.48	612.80	587.80	15.60	1.85	17.45	14.24	620.46	Yes	bailed 1.5 gal FP
RW-04	03/31/00	634.70	636.48	612.80	587.80	19.58	0.95	20.53	18.01	616.68	Yes	bailed 0.25 gal FP
RW-04	04/26/00	634.70	636.48	612.80	587.80	18.37	1.70	20.07	16.97	617.72	Yes	bailed 2.5 gal FP
RW-04	05/31/00	634.70	636.48	612.80	587.80	19.49	0.43	19.92	17.81	616.89	Yes	bailed 1 gal FP
RW-04	06/29/00	634.70	636.48	612.80	587.80	19.34	0.43	19.77	17.66	617.04	Yes	bailed 2 gal FP
RW-04	07/26/00	634.70	636.48	612.80	587.80	19.56	0.30	19.86	17.85	616.85	Yes	bailed 0.5 gal FP
RW-04	08/18/00	634.70	636.48	612.80	587.80	20.13	0.13	20.26	18.38	616.32	Yes	bailed 0.125
RW-04	09/27/00	634.70	636.48	612.80	587.80	20.05	1.32	21.37	18.57	616.13	Yes	bailed 3 gal. FP
RW-04	10/11/00	634.70	636.48	612.80	587.80	20.35	0.02	20.37	18.57	616.13	Yes	bailed 3 gal. FP
RW-04	11/17/00	634.70	636.48	612.80	587.80	20.11	0.78	20.89	18.51	616.19	Yes	bailed 0.75 gal. FP
RW-04	12/12/00	634.70	636.48	612.80	587.80	19.92	1.13	21.05	18.40	616.30	Yes	bailed 0.25 gal. FP
RW-04	01/18/01	634.70	636.48	612.80	587.80	20.44	0.92	21.36	18.87	615.83	Yes	bailed 0.25 gal. FP
RW-04	04/24/01	634.70	636.48	612.80	587.80	19.56	1.58	21.14	18.14	616.56	Yes	product abated using vactruck
RW-04	05/23/01	634.70	636.48	612.80	587.80	18.98	2.16	21.14	17.69	617.01	Yes	no product bailed
RW-04	06/19/01	634.70	636.48	612.80	587.80	18.91	0.27	19.18	17.19	617.51	Yes	
RW-04	07/26/01	634.70	636.48	612.80	587.80	19.60	0.28	19.88	17.88	616.82	Yes	
RW-04	08/31/01	634.70	636.48	612.80	587.80	19.98	0.27	20.25	18.26	616.44	Yes	
RW-04	09/26/01	634.70	636.48	612.80	587.80	20.02	0.30	20.32	18.31	616.39	Yes	
RW-04	10/24/01	634.70	636.48	612.80	587.80	19.99	1.08	21.07	18.45	616.24	Yes	
RW-04	02/26/02	634.70	636.48	612.80	587.80	20.35	4.68	25.03	19.63	615.06	Yes	
RW-04	03/20/02	634.70	636.48	612.80	587.80	20.48	5.90	26.38	20.03	614.65	Yes	
RW-04	04/24/02	634.70	636.48	612.80	587.80	19.72	5.65	25.37	19.22	615.47	Yes	
RW-04	05/15/02	634.70	636.48	612.80	587.80	19.43	3.50	22.93	18.44	616.25	Yes	
RW-04	06/27/02	634.70	636.48	612.80	587.80	19.70	3.19	22.89	18.64	616.05	Yes	
RW-04	07/25/02	634.70	636.48	612.80	587.80	19.58	2.12	21.70	18.28	616.42	Yes	
RW-04	08/20/02	634.70	636.48	612.80	587.80	19.53	1.75	21.28	18.15	616.55	Yes	
RW-04	09/30/02	634.70	636.48	612.80	587.80	19.14	1.45	20.59	17.69	617.01	Yes	
RW-04	11/05/02	634.70	636.48	612.80	587.80	18.88	1.42	20.30	17.42	617.28	Yes	
RW-04	12/23/02	634.70	636.48	612.80	587.80	20.81	0.46	21.27	19.13	615.57	Yes	
RW-04	01/28/03	634.70	636.48	612.80	587.80	20.34	1.71	22.05	18.95	615.75	Yes	
RW-04	02/19/03	634.70	636.48	612.80	587.80	20.41	2.43	22.84	19.18	615.52	Yes	
RW-04	04/17/03	634.70	636.48	612.80	587.80	20.77	5.88	26.65	20.32	614.37	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-04	05/15/03	634.70	636.48	612.80	587.80	20.94	4.94	25.88	20.28	614.41	Yes	
RW-04	06/10/03	634.70	636.48	612.80	587.80	20.42	5.84	26.26	19.96	614.73	Yes	
RW-04	10/23/03	634.70	636.48	612.80	587.80	20.67	7.04	27.71	20.48	614.20	Yes	
RW-04	12/03/03	634.70	636.48	612.80	587.80	20.83	7.37	28.20	20.71	613.97	Yes	
RW-04	04/19/04	634.82	636.24	612.80	587.80	21.45	5.73	27.18	21.32	613.48	Yes	
RW-04	07/28/04	634.82	636.24	612.80	587.80	20.61	2.19	22.80	19.68	615.13	Yes	
RW-04	11/15/04	634.82	636.24	612.80	587.80	19.76	1.33	21.09	18.64	616.18	Yes	
RW-04	04/18/05	634.82	636.24	612.80	587.80	20.27	2.77	23.04	19.48	615.34	Yes	
RW-04	10/11/05	634.82	636.24	612.80	587.80	19.38	2.20	21.58	18.46	616.36	Yes	
RW-04	05/23/06	634.82	636.24	612.80	587.80	18.63	2.28	20.91	17.72	617.09	Yes	
RW-04	10/16/06	634.82	636.24	612.80	587.80	19.83	4.02	23.85	19.32	615.49	Yes	
RW-04	04/23/07	634.82	636.24	612.80	587.80	20.25	0.83	21.08	19.02	615.80	Yes	
RW-04	09/25/07	634.82	636.24	612.80	587.80	20.50	7.73	28.23	20.83	613.98	Yes	
RW-04	05/01/08	634.82	636.24	612.80	587.80	19.41	2.47	21.88	18.55	616.27	Yes	
RW-04	10/20/08	634.82	636.24	612.80	587.80	17.75	2.81	20.56	16.96	617.85	Yes	
RW-04	04/18/09	634.82	636.24	612.80	587.80	19.08	2.45	21.53	18.21	616.60	Yes	
RW-04	08/04/09	634.82	636.24	612.80	587.80	19.58	3.44	23.02	18.94	615.88	Yes	
RW-04	08/26/09	634.82	636.24	612.80	587.80	19.39	2.79	22.18	18.60	616.21	Yes	
RW-04	09/03/09	634.82	636.24	612.80	587.80	19.13	2.67	21.80	18.31	616.50	Yes	
RW-04	09/08/09	634.82	636.24	612.80	587.80	19.19	2.61	21.80	18.36	616.45	Yes	
RW-04	09/14/09	634.82	636.24	612.80	587.80	19.25	2.60	21.85	18.42	616.40	Yes	
RW-04	10/11/09	634.82	636.24	612.80	587.80	19.79	2.86	22.65	19.02	615.80	Yes	
RW-04	10/15/09	634.82	636.24	612.80	587.80	19.79	2.86	22.65	19.02	615.80	Yes	
RW-04	04/28/10	634.82	636.24	612.80	587.80	19.67	3.96	23.63	19.14	615.67	Yes	
RW-04	10/25/10	634.82	636.24	612.80	587.80	17.60	3.09	20.69	16.88	617.94	Yes	
RW-04	04/25/11	634.82	636.24	612.80	587.80	18.85	2.59	21.44	18.01	616.80	Yes	
RW-04	09/14/11	634.82	636.24	612.80	587.80	18.08	3.26	21.34	17.40	617.42	Yes	
RW-04	09/23/11	634.82	636.24	612.80	587.80	18.21	3.11	21.32	17.49	617.32	Yes	
RW-04	09/29/11	634.82	636.24	612.80	587.80	18.20	3.03	21.23	17.46	617.35	Yes	
RW-04	10/07/11	634.82	636.24	612.80	587.80	18.41	2.76	21.17	17.61	617.20	Yes	
RW-04	10/11/11	634.82	636.24	612.80	587.80	18.57	2.67	21.24	17.75	617.06	Yes	
RW-04	10/21/11	634.82	636.24	612.80	587.80	18.88	2.47	21.35	18.02	616.80	Yes	
RW-04	10/27/11	634.82	636.24	612.80	587.80	18.99	2.41	21.40	18.11	616.70	Yes	
RW-04	11/04/11	634.82	636.24	612.80	587.80	19.20	2.38	21.58	18.32	616.50	Yes	
RW-04	11/09/11	634.82	636.24	612.80	587.80	19.12	2.36	21.48	18.23	616.58	Yes	
RW-04	11/18/11	634.82	636.24	612.80	587.80	19.26	2.37	21.63	18.38	616.44	Yes	
RW-04	11/22/11	634.82	636.24	612.80	587.80	19.40	2.44	21.84	18.53	616.28	Yes	
RW-04	12/01/11	634.82	636.24	612.80	587.80	19.76	2.46	22.22	18.90	615.92	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-04	01/04/12	634.82	636.24	612.80	587.80	20.05	2.47	22.52	19.19	615.63	Yes	
RW-04	02/16/12	634.82	636.24	612.80	587.80	20.40	3.87	24.27	19.85	614.96	Yes	
RW-04	03/13/12	634.82	636.24	612.80	587.80	20.45	6.55	27.00	20.51	614.30	Yes	
RW-04	04/03/12	634.82	636.24	612.80	587.80	20.37	7.43	27.80	20.63	614.18	Yes	Spill Buddy Before Reading
RW-04	04/03/12	634.82	636.24	612.80	587.80	26.67	0.13	26.80	25.28	609.54	No	Spill Buddy After Reading
RW-04	04/16/12	634.82	636.24	612.80	587.80	20.64	4.76	25.40	20.30	614.51	Yes	
RW-04	05/10/12	634.82	636.24	612.80	587.80	19.76	5.32	25.08	19.54	615.27	Yes	Spill Buddy Before Reading
RW-04	05/10/12	634.82	636.24	612.80	587.80	24.20	0.07	24.27	22.80	612.02	No	Spill Buddy After Reading
RW-04	05/18/12	634.82	636.24	612.80	587.80	19.82	4.53	24.35	19.42	615.39	Yes	
RW-04	05/21/12	634.82	636.24	612.80	587.80	19.92	4.56	24.48	19.53	615.28	Yes	Spill Buddy Before Reading
RW-04	05/21/12	634.82	636.24	612.80	587.80	23.95	0.14	24.09	22.56	612.26	No	Spill Buddy After Reading
RW-04	06/18/12	634.82	636.24	612.80	587.80	18.85	2.50	21.35	17.99	616.82	Yes	Spill Buddy Before Reading
RW-04	06/18/12	634.82	636.24	612.80	587.80	20.90	0.10	21.00	19.50	615.32	Yes	Spill Buddy After Reading
RW-04	06/26/12	634.82	636.24	612.80	587.80	18.60	0.20	18.80	17.23	617.59	Yes	
RW-04	07/12/12	634.82	636.24	612.80	587.80	20.05	0.11	20.16	18.65	616.16	Yes	
RW-04	07/24/12	634.82	636.24	612.80	587.80	18.88	2.72	21.60	18.07	616.74	Yes	
RW-04	08/09/12	634.82	636.24	612.80	587.80	18.90	3.45	22.35	18.26	616.55	Yes	Spill Buddy Before Reading
RW-04	08/09/12	634.82	636.24	612.80	587.80	21.29	0.16	21.45	19.91	614.91	Yes	Spill Buddy After Reading
RW-04	08/17/12	634.82	636.24	612.80	587.80	19.33	2.45	21.78	18.46	616.35	Yes	
RW-04	09/17/12	634.82	636.24	612.80	587.80	19.60	4.60	24.20	19.22	615.59	Yes	
RW-04	09/18/12	634.82	636.24	612.80	587.80	19.59	4.59	24.18	19.21	615.60	Yes	Spill Buddy Before Reading
RW-04	09/18/12	634.82	636.24	612.80	587.80	23.60	0.07	23.67	22.20	612.62	No	Spill Buddy After Reading
RW-04	09/30/12	634.82	636.24	612.80	587.80	20.49	0.95	21.44	19.28	615.53	Yes	
RW-04	10/22/12	634.82	636.24	612.80	587.80	20.49	3.07	23.56	19.76	615.05	Yes	
RW-04	11/21/12	634.82	636.24	612.80	587.80	20.22	6.23	26.45	20.21	614.60	Yes	
RW-04	12/17/12	634.82	636.24	612.80	587.80	20.20	8.05	28.25	20.60	614.20	Yes	
RW-04	03/25/13	634.82	636.24	612.80	587.80	20.78	10.02	30.80	21.62	613.18	Yes	
RW-04	04/03/13	634.82	636.24	612.80	587.80	20.85	9.74	30.59	21.63	613.17	Yes	Spill Buddy Before Reading
RW-04	04/03/13	634.82	636.24	612.80	587.80	28.69	0.26	28.95	27.33	607.49	No	Spill Buddy After Reading
RW-04	04/29/13	634.82	636.24	612.80	587.80	20.77	6.31	27.08	20.78	614.03	Yes	Spill Buddy Before Reading
RW-04	04/29/13	634.82	636.24	612.80	587.80	26.38	0.09	26.47	24.98	609.84	No	Spill Buddy After Reading
RW-04	05/05/13	634.82	636.24	612.80	587.80	21.14	2.54	23.68	20.29	614.52	Yes	
RW-04	10/03/13	634.82	636.24	612.80	587.80	20.15	5.10	25.25	19.88	614.93	Yes	
RW-04	05/22/14	634.82	636.24	612.80	587.80	18.99	1.79	20.78	17.97	616.84	Yes	
RW-04	10/31/14	634.82	636.24	612.80	587.80	18.38	4.45	22.83	17.97	616.85	Yes	
RW-04	05/06/15	634.82	636.24	612.80	587.80	19.90	5.62	25.52	19.75	615.06	Yes	
RW-04	07/10/15	634.82	636.24	612.80	587.80	19.24	2.31	21.55	18.34	616.47	Yes	
RW-04	10/05/15	634.82	636.24	612.80	587.80	18.25	2.44	20.69	17.38	617.43	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-04	05/23/16	634.82	636.24	612.80	587.80	15.49	5.89	21.38	15.40	619.41	Yes	
RW-04	10/03/16	634.82	636.24	612.80	587.80	16.89	5.65	22.54	16.75	618.06	Yes	
RW-04	06/14/17	634.82	636.24	612.80	587.80	15.54	5.72	21.26	15.41	619.40	Yes	
RW-04	06/21/17	634.82	636.24	612.80	587.80	16.20	5.16	21.36	15.95	618.86	Yes	
RW-04	06/22/17	634.82	636.24	612.80	587.80	16.80	1.12	17.92	15.63	619.18	Yes	
RW-04	06/23/17	634.82	636.24	612.80	587.80	16.97	0.98	17.95	15.77	619.05	Yes	
RW-04	10/26/17	634.82	636.24	612.80	587.80	14.69	2.53	17.22	13.84	620.97	Yes	
RW-04	05/23/18	634.82	636.24	612.80	587.80	19.40	2.10	21.50	18.45	616.36	Yes	
RW-04	05/02/19	634.82	636.24	612.80	587.80	18.55	2.22	20.77	17.63	617.18	Yes	
RW-04	07/16/19	634.82	636.24	612.80	587.80	17.17	2.39	19.56	16.29	618.53	Yes	
RW-04	05/26/20	634.82	636.24	612.80	587.80	16.51	1.13	17.64	15.35	619.47	Yes	
RW-04	05/24/21	634.82	636.24	612.80	587.80	17.59	1.18	18.77	16.44	618.38	Yes	
RW-05	05/04/90	636.00	638.51	613.30	588.30	23.50	0.85	24.35	21.18	614.82	Yes	
RW-05	06/01/90	636.00	638.51	613.30	588.30	23.00	1.45	24.45	20.82	615.18	Yes	
RW-05	06/19/90	636.00	638.51	613.30	588.30	22.95	1.70	24.65	20.82	615.18	Yes	
RW-05	06/27/90	636.00	638.51	613.30	588.30	23.33	0.21	23.54	20.87	615.13	Yes	
RW-05	07/05/90	636.00	638.51	613.30	588.30	23.48	0.40	23.88	21.06	614.94	Yes	
RW-05	07/13/90	636.00	638.51	613.30	588.30	23.38	0.48	23.86	20.98	615.02	Yes	
RW-05	07/17/90	636.00	638.51	613.30	588.30	23.18	0.57	23.75	20.80	615.20	Yes	
RW-05	07/25/90	636.00	638.51	613.30	588.30	23.35	0.65	24.00	20.99	615.01	Yes	
RW-05	08/09/90	636.00	638.51	613.30	588.30	23.20	0.80	24.00	20.87	615.13	Yes	
RW-05	09/06/90	636.00	638.51	613.30	588.30	22.72	2.21	24.93	20.71	615.29	Yes	
RW-05	01/04/91	636.00	638.51	613.30	588.30	22.05	3.20	25.25	20.26	615.74	Yes	
RW-05	01/30/91	636.00	638.51	613.30	588.30	22.22	3.34	25.56	20.46	615.54	Yes	
RW-05	04/24/91	636.00	638.51	613.30	588.30	22.40	3.32	25.72	20.64	615.36	Yes	
RW-05	07/09/91	636.00	638.51	613.30	588.30	20.41	4.17	24.58	18.84	617.16	Yes	
RW-05	10/08/91	636.00	638.51	613.30	588.30	18.62	5.32	23.94	17.31	618.69	Yes	
RW-05	01/07/92	636.00	638.51	613.30	588.30	18.73	5.71	24.44	17.51	618.49	Yes	
RW-05	10/14/92	636.00	638.51	613.30	588.30	18.56	7.16	25.72	17.67	618.33	Yes	
RW-05	06/25/93	636.00	638.51	613.30	588.30	16.28	7.74	24.02	15.52	620.48	Yes	
RW-05	10/28/93	636.00	638.51	613.30	588.30	18.84	7.70	26.54	18.07	617.93	Yes	
RW-05	01/29/94	636.00	638.51	613.30	588.30	20.64	6.99	27.63	19.71	616.29	Yes	
RW-05	04/27/94	636.00	638.51	613.30	588.30	20.50	1.87	22.37	18.41	617.59	Yes	
RW-05	07/21/94	636.00	638.51	613.30	588.30	19.28	0.59	19.87	16.90	619.10	Yes	
RW-05	10/25/94	636.00	638.51	613.30	588.30	19.76	1.15	20.91	17.51	618.49	Yes	
RW-05	02/01/95	636.00	638.51	613.30	588.30	20.95	1.30	22.25	18.73	617.27	Yes	
RW-05	04/04/95	636.00	638.51	613.30	588.30	21.72	1.38	23.10	19.52	616.48	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-05	07/12/95	636.00	638.51	613.30	588.30	20.69	1.56	22.25	18.53	617.47	Yes	
RW-05	11/14/95	636.00	638.51	613.30	588.30	19.32	1.81	21.13	17.22	618.78	Yes	
RW-05	03/13/96	636.00	638.51	613.30	588.30	21.17	2.02	23.19	19.12	616.88	Yes	
RW-05	11/03/98	636.00	638.51	613.30	588.30	21.49	2.90	24.39	19.64	616.36	Yes	
RW-05	03/02/99	636.00	638.51	613.30	588.30	21.52	3.05	24.57	19.70	616.30	Yes	
RW-05	10/07/99	636.00	638.51	613.30	588.30	18.61	1.30	19.91	16.39	619.61	Yes	
RW-05	11/09/99	636.00	638.51	613.30	588.30	18.48	0.87	19.35	16.17	619.83	Yes	bailed 0.25 gal. FP
RW-05	12/21/99	636.00	638.51	613.30	588.30	18.56	0.17	18.73	16.09	619.91	Yes	bailed 0.25 gal. FP
RW-05	01/27/00	636.00	638.51	613.30	588.30	20.78	0.90	21.68	18.47	617.53	Yes	bailed 0.2 gal. FP
RW-05	02/24/00	636.00	638.51	613.30	588.30	21.22	0.72	21.94	18.87	617.13	Yes	bailed 0.25 gal. FP
RW-05	03/31/00	636.00	638.51	613.30	588.30	21.33	0.60	21.93	18.96	617.04	Yes	bailed 0.5 gal. FP
RW-05	04/20/00	636.00	638.51	613.30	588.30	20.61	3.10	23.71	18.80	617.20	Yes	bailed 5 gal. FP
RW-05	04/26/00	636.00	638.51	613.30	588.30	20.97	0.58	21.55	18.59	617.41	Yes	bailed 0.5 gal. FP
RW-05	05/31/00	636.00	638.51	613.30	588.30	21.06	0.36	21.42	18.63	617.37	Yes	bailed 0.5 gal. FP
RW-05	06/29/00	636.00	638.51	613.30	588.30	20.88	0.40	21.28	18.46	617.54	Yes	bailed 1 gal. FP
RW-05	07/26/00	636.00	638.51	613.30	588.30	20.97	0.29	21.26	18.53	617.47	Yes	bailed 0.5 gal. FP
RW-05	08/18/00	636.00	638.51	613.30	588.30	21.26	0.47	21.73	18.86	617.14	Yes	bailed 0.25 gal. FP
RW-05	09/27/00	636.00	638.51	613.30	588.30	21.72	0.31	22.03	19.28	616.72	Yes	bailed 0.5 gal FP
RW-05	10/11/00	636.00	638.51	613.30	588.30	21.67	0.07	21.74	19.18	616.82	Yes	bailed 0.01 gal FP
RW-05	11/17/00	636.00	638.51	613.30	588.30	21.61	0.08	21.69	19.12	616.88	Yes	No product bailed
RW-05	12/12/00	636.00	638.51	613.30	588.30	21.48	0.16	21.64	19.01	616.99	Yes	bailed 0.1 gal FP
RW-05	01/18/01	636.00	638.51	613.30	588.30	21.77	0.07	21.84	19.28	616.72	Yes	bailed 0.2 gal FP
RW-05	04/24/01	636.00	638.51	613.30	588.30	21.90	0.20	22.10	19.44	616.56	Yes	product abated using vactruck
RW-05	05/23/01	636.00	638.51	613.30	588.30	20.75	0.12	20.87	18.27	617.73	Yes	no product bailed
RW-05	06/19/01	636.00	638.51	613.30	588.30	20.63	0.14	20.77	18.15	617.85	Yes	
RW-05	07/26/01	636.00	638.51	613.30	588.30	21.25	0.27	21.52	18.80	617.20	Yes	
RW-05	08/31/01	636.00	638.51	613.30	588.30	21.49	0.32	21.81	19.05	616.95	Yes	
RW-05	09/26/01	636.00	638.51	613.30	588.30	21.63	0.31	21.94	19.19	616.81	Yes	
RW-05	10/24/01	636.00	638.51	613.30	588.30	21.66	0.34	22.00	19.23	616.77	Yes	
RW-05	12/20/01	636.00	638.51	613.30	588.30	22.13	0.33	22.46	19.69	616.31	Yes	
RW-05	01/22/02	636.00	638.51	613.30	588.30	22.17	0.36	22.53	19.74	616.26	Yes	
RW-05	02/26/02	636.00	638.51	613.30	588.30	22.59	0.39	22.98	20.17	615.83	Yes	
RW-05	03/20/02	636.00	638.51	613.30	588.30	22.78	0.39	23.17	20.36	615.64	Yes	
RW-05	04/24/02	636.00	638.51	613.30	588.30	22.09	0.42	22.51	19.67	616.33	Yes	
RW-05	05/15/02	636.00	638.51	613.30	588.30	21.84	0.43	22.27	19.43	616.57	Yes	
RW-05	06/27/02	636.00	638.51	613.30	588.30	21.89	0.49	22.38	19.49	616.51	Yes	
RW-05	07/25/02	636.00	638.51	613.30	588.30	21.75	0.53	22.28	19.36	616.64	Yes	
RW-05	08/20/02	636.00	638.51	613.30	588.30	21.74	0.57	22.31	19.36	616.64	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-05	09/30/02	636.00	638.51	613.30	588.30	21.21	0.69	21.90	18.86	617.14	Yes	
RW-05	11/05/02	636.00	638.51	613.30	588.30	21.01	0.83	21.84	18.69	617.31	Yes	
RW-05	12/23/02	636.00	638.51	613.30	588.30	21.74	0.95	22.69	19.44	616.56	Yes	
RW-05	01/28/03	636.00	638.51	613.30	588.30	22.16	1.03	23.19	19.88	616.12	Yes	
RW-05	02/19/03	636.00	638.51	613.30	588.30	22.39	1.04	23.43	20.11	615.89	Yes	
RW-05	04/17/03	636.00	638.51	613.30	588.30	22.90	1.03	23.93	20.62	615.38	Yes	
RW-05	05/15/03	636.00	638.51	613.30	588.30	23.07	1.02	24.09	20.79	615.21	Yes	
RW-05	06/10/03	636.00	638.51	613.30	588.30	22.61	1.00	23.61	20.33	615.67	Yes	
RW-05	10/23/03	636.00	638.51	613.30	588.30	22.89	1.13	24.02	20.64	615.36	Yes	
RW-05	12/03/03	636.00	638.51	613.30	588.30	23.03	1.16	24.19	20.78	615.22	Yes	
RW-05	04/19/04	636.67	638.61	613.30	588.30	23.38	1.45	24.83	21.77	614.90	Yes	
RW-05	07/28/04	636.67	638.61	613.30	588.30	22.32	2.38	24.70	20.92	615.75	Yes	
RW-05	11/15/04	636.67	638.61	613.30	588.30	21.48	2.73	24.21	20.16	616.51	Yes	
RW-05	04/18/05	636.67	638.61	613.30	588.30	21.85	3.01	24.86	20.59	616.08	Yes	
RW-05	10/11/05	636.67	638.61	613.30	588.30	21.09	3.89	24.98	20.03	616.64	Yes	
RW-05	05/23/06	636.67	638.61	613.30	588.30	20.14	5.07	25.21	19.35	617.32	Yes	
RW-05	10/16/06	636.67	638.61	613.30	588.30	21.19	5.85	27.04	20.57	616.10	Yes	
RW-05	04/23/07	636.67	638.61	613.30	588.30	22.09	5.89	27.98	21.48	615.19	Yes	
RW-05	09/25/07	636.67	638.61	613.30	588.30	21.95	6.00	27.95	21.37	615.30	Yes	
RW-05	05/01/08	636.67	638.61	613.30	588.30	20.99	6.26	27.25	20.46	616.21	Yes	
RW-05	10/20/08	636.67	638.61	613.30	588.30	19.05	6.55	25.60	18.59	618.08	Yes	
RW-05	04/18/09	636.67	638.61	613.30	588.30	20.25	7.64	27.89	20.04	616.63	Yes	
RW-05	10/11/09	636.67	638.61	613.30	588.30	21.06	1.13	22.19	19.38	617.29	Yes	
RW-05	04/28/10	636.67	638.61	613.30	588.30	21.59	1.27	22.86	19.94	616.73	Yes	
RW-05	10/25/10	636.67	638.61	613.30	588.30	19.48	0.72	20.20	17.70	618.97	Yes	
RW-05	04/25/11	636.67	638.61	613.30	588.30	20.59	2.14	22.73	19.13	617.54	Yes	
RW-05	09/14/11	636.67	638.61	613.30	588.30	19.68	2.16	21.84	18.23	618.44	Yes	
RW-05	09/23/11	636.67	638.61	613.30	588.30	19.90	2.21	22.11	18.46	618.21	Yes	
RW-05	09/29/11	636.67	638.61	613.30	588.30	19.79	2.25	22.04	18.36	618.31	Yes	
RW-05	10/07/11	636.67	638.61	613.30	588.30	20.00	2.26	22.26	18.57	618.10	Yes	
RW-05	10/11/11	636.67	638.61	613.30	588.30	20.08	2.30	22.38	18.66	618.01	Yes	
RW-05	10/21/11	636.67	638.61	613.30	588.30	20.37	2.35	22.72	18.96	617.71	Yes	
RW-05	10/27/11	636.67	638.61	613.30	588.30	20.47	2.30	22.77	19.05	617.62	Yes	
RW-05	11/01/11	636.67	638.61	613.30	588.30	20.67	2.32	22.99	19.25	617.42	Yes	
RW-05	11/09/11	636.67	638.61	613.30	588.30	20.60	2.33	22.93	19.19	617.48	Yes	
RW-05	11/18/11	636.67	638.61	613.30	588.30	20.70	2.34	23.04	19.29	617.38	Yes	
RW-05	11/22/11	636.67	638.61	613.30	588.30	20.86	2.39	23.25	19.46	617.21	Yes	
RW-05	12/01/11	636.67	638.61	613.30	588.30	21.21	2.35	23.56	19.80	616.87	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

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RW-05	01/04/12	636.67	638.61	613.30	588.30	21.43	2.36	23.79	20.02	616.65	Yes	
RW-05	02/16/12	636.67	638.61	613.30	588.30	22.02	2.34	24.36	20.61	616.06	Yes	
RW-05	03/13/12	636.67	638.61	613.30	588.30	22.29	2.35	24.64	20.88	615.79	Yes	
RW-05	04/05/12	636.67	638.61	613.30	588.30	22.28	2.37	24.65	20.88	615.79	Yes	Spill Buddy Before Reading
RW-05	04/05/12	636.67	638.61	613.30	588.30	24.50	0.05	24.55	22.57	614.10	Yes	Spill Buddy After Reading
RW-05	04/16/12	636.67	638.61	613.30	588.30	22.50	0.15	22.65	20.59	616.08	Yes	
RW-05	05/18/12	636.67	638.61	613.30	588.30	21.68	0.27	21.95	19.80	616.87	Yes	
RW-05	06/18/12	636.67	638.61	613.30	588.30	20.73	0.32	21.05	18.86	617.81	Yes	
RW-05	06/26/12	636.67	638.61	613.30	588.30	20.19	0.32	20.51	18.32	618.35	Yes	
RW-05	07/24/12	636.67	638.61	613.30	588.30	20.62	0.38	21.00	18.77	617.90	Yes	
RW-05	08/17/12	636.67	638.61	613.30	588.30	20.95	0.45	21.40	19.11	617.56	Yes	
RW-05	09/17/12	636.67	638.61	613.30	588.30	21.38	0.57	21.95	19.57	617.10	Yes	
RW-05	09/30/12	636.67	638.61	613.30	588.30	21.59	0.59	22.18	19.78	616.89	Yes	
RW-05	11/21/12	636.67	638.61	613.30	588.30	22.02	0.62	22.64	20.22	616.45	Yes	
RW-05	12/17/12	636.67	638.61	613.30	588.30	22.25	0.66	22.91	20.46	616.21	Yes	
RW-05	03/25/13	636.67	638.61	613.30	588.30	23.09	0.83	23.92	21.34	615.33	Yes	
RW-05	05/05/13	636.67	638.61	613.30	588.30	22.72	0.84	23.56	20.97	615.70	Yes	
RW-05	10/03/13	636.67	638.61	613.30	588.30	22.09	1.15	23.24	20.41	616.26	Yes	
RW-05	05/22/14	636.67	638.61	613.30	588.30	20.69	1.53	22.22	19.10	617.57	Yes	
RW-05	10/31/14	636.67	638.61	613.30	588.30	20.15	1.94	22.09	18.65	618.02	Yes	
RW-05	05/06/15	636.67	638.61	613.30	588.30	21.77	2.19	23.96	20.32	616.35	Yes	
RW-05	10/05/15	636.67	638.61	613.30	588.30	19.94	2.50	22.44	18.56	618.11	Yes	
RW-05	10/03/16	636.67	638.61	613.30	588.30	18.83	2.61	21.44	17.48	619.19	Yes	
RW-05	06/29/17	636.67	638.61	613.30	588.30	18.40	2.65	21.05	17.06	619.61	Yes	
RW-05	07/16/19	636.67	638.61	613.30	588.30	18.70	2.71	21.41	17.37	619.30	Yes	
RW-05	05/26/20	636.67	638.61	613.30	588.30	18.00	0.71	18.71	16.22	620.45	Yes	
RW-05	05/24/21	636.67	638.61	613.30	588.30	19.85	0.69	20.54	18.07	618.60	Yes	
RW-06	06/01/90	635.20	637.96	615.00	590.00	20.50	4.70	25.20	18.80	616.33	Yes	
RW-06	01/30/91	635.20	637.96	615.00	590.00	20.47	6.14	26.61	19.10	616.02	Yes	
RW-06	04/24/91	635.20	637.96	615.00	590.00	22.22	3.22	25.44	20.19	614.97	No	
RW-06	06/06/91	635.20	637.96	615.00	590.00	20.51	2.75	23.26	18.37	616.79	Yes	
RW-06	07/09/91	635.20	637.96	615.00	590.00	19.32	3.60	22.92	17.37	617.78	Yes	
RW-06	08/06/91	635.20	637.96	615.00	590.00	18.64	3.40	22.04	16.65	618.50	Yes	
RW-06	09/04/91	635.20	637.96	615.00	590.00	18.66	3.28	21.94	16.64	618.51	Yes	
RW-06	10/08/91	635.20	637.96	615.00	590.00	19.73	1.75	21.48	17.37	617.81	Yes	
RW-06	11/08/91	635.20	637.96	615.00	590.00	20.02	1.95	21.97	17.70	617.47	Yes	
RW-06	12/03/91	635.20	637.96	615.00	590.00	16.40	4.19	20.59	14.59	620.55	Yes	

Table 3
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Superior, Wisconsin

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RW-06	01/07/92	635.20	637.96	615.00	590.00	18.41	2.06	20.47	16.12	619.06	Yes	
RW-06	02/04/92	635.20	637.96	615.00	590.00	19.80	2.05	21.85	17.50	617.67	Yes	
RW-06	03/03/92	635.20	637.96	615.00	590.00	19.67	2.45	22.12	17.46	617.70	Yes	
RW-06	09/24/92	635.20	637.96	615.00	590.00	17.32	3.23	20.55	15.29	619.87	Yes	
RW-06	06/25/93	635.20	637.96	615.00	590.00	15.67	2.58	18.25	13.49	621.67	Yes	
RW-06	07/21/93	635.20	637.96	615.00	590.00	16.52	1.82	18.34	14.17	621.00	Yes	
RW-06	08/17/93	635.20	637.96	615.00	590.00	18.14	2.11	20.25	15.86	619.31	Yes	
RW-06	09/09/93	635.20	637.96	615.00	590.00	19.02	2.11	21.13	16.74	618.43	Yes	
RW-06	10/28/93	635.20	637.96	615.00	590.00	19.53	1.68	21.21	17.15	618.03	Yes	
RW-06	11/24/93	635.20	637.96	615.00	590.00	19.87	1.48	21.35	17.44	617.73	Yes	
RW-06	12/17/93	635.20	637.96	615.00	590.00	19.92	1.10	21.02	17.41	617.78	Yes	
RW-06	01/29/94	635.20	637.96	615.00	590.00	19.83	1.72	21.55	17.46	617.72	Yes	
RW-06	02/25/94	635.20	637.96	615.00	590.00	20.06	2.07	22.13	17.77	617.40	Yes	
RW-06	03/24/94	635.20	637.96	615.00	590.00	20.16	1.92	22.08	17.83	617.34	Yes	
RW-06	04/27/94	635.20	637.96	615.00	590.00	19.57	2.00	21.57	17.26	617.91	Yes	
RW-06	05/26/94	635.20	637.96	615.00	590.00	18.64	1.36	20.00	16.19	618.99	Yes	
RW-06	06/29/94	635.20	637.96	615.00	590.00	18.04	0.97	19.01	15.50	619.69	Yes	
RW-06	07/21/94	635.20	637.96	615.00	590.00	18.96	1.35	20.31	16.50	618.68	Yes	
RW-06	08/30/94	635.20	637.96	615.00	590.00	19.57	1.15	20.72	17.07	618.11	Yes	
RW-06	10/25/94	635.20	637.96	615.00	590.00	18.45	1.53	19.98	16.04	619.14	Yes	
RW-06	11/02/94	635.20	637.96	615.00	590.00	18.35	1.65	20.00	15.96	619.21	Yes	
RW-06	02/01/95	635.20	637.96	615.00	590.00	20.10	0.48	20.58	17.45	617.74	Yes	
RW-06	04/04/95	635.20	637.96	615.00	590.00	20.44	2.16	22.60	18.17	617.00	Yes	
RW-06	07/12/95	635.20	637.96	615.00	590.00	19.73	0.02	19.75	16.97	618.23	Yes	
RW-06	11/13/95	635.20	637.96	615.00	590.00	18.54	0.02	18.56	15.78	619.42	Yes	
RW-06	03/13/96	635.20	637.96	615.00	590.00	19.85	2.30	22.15	17.61	617.56	Yes	
RW-06	05/28/96	635.20	637.96	615.00	590.00	18.45	0.03	18.48	15.70	619.50	Yes	
RW-06	10/08/96	635.20	637.96	615.00	590.00	17.60	0.02	17.62	14.84	620.36	Yes	
RW-06	04/29/97	635.20	637.96	615.00	590.00	NP	0.00	16.62	13.86	621.34	Yes	
RW-06	06/10/97	635.20	637.96	615.00	590.00	NP	0.00	18.00	15.24	619.96	Yes	
RW-06	03/02/99	635.20	637.96	615.00	590.00	20.38	2.16	22.54	18.11	617.06	Yes	
RW-06	10/07/99	635.20	637.96	615.00	590.00	17.16	1.33	18.49	14.70	620.48	Yes	
RW-06	11/09/99	635.20	637.96	615.00	590.00	18.23	1.69	19.92	15.85	619.32	Yes	bailed 2 gal. FP
RW-06	12/21/99	635.20	637.96	615.00	590.00	18.76	0.12	18.88	16.03	619.17	Yes	
RW-06	01/27/00	635.20	637.96	615.00	590.00	19.95	0.12	20.07	17.22	617.98	Yes	
RW-06	02/24/00	635.20	637.96	615.00	590.00	19.87	1.65	21.52	17.48	617.69	Yes	bailed 2 gal. FP
RW-06	03/31/00	635.20	637.96	615.00	590.00	19.71	2.22	21.93	17.45	617.72	Yes	installed pump from MW-2
RW-06	04/20/00	635.20	637.96	615.00	590.00	18.92	2.96	21.88	16.83	618.33	Yes	bailed 4 gal. FP

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-06	04/26/00	635.20	637.96	615.00	590.00	19.50	1.47	20.97	17.07	618.11	Yes	
RW-06	05/31/00	635.20	637.96	615.00	590.00	19.65	1.38	21.03	17.20	617.98	Yes	installed skimmer
RW-06	06/20/00	635.20	637.96	615.00	590.00	19.66	0.02	19.68	16.90	618.30	Yes	Skimmer operating
RW-06	07/26/00	635.20	637.96	615.00	590.00	19.86	0.02	19.88	17.10	618.10	Yes	Skimmer operating
RW-06	08/18/00	635.20	637.96	615.00	590.00	19.26	2.14	21.40	16.98	618.19	Yes	bailed 1 gal. FP-installed skimmer
RW-06	09/27/00	635.20	637.96	615.00	590.00	20.42	1.29	21.71	17.95	617.23	Yes	skimmer down-bailed 1.25 gal. FP
RW-06	10/11/00	635.20	637.96	615.00	590.00	20.11	1.88	21.99	17.77	617.40	Yes	skimmer down-bailed 3.75 gal. FP
RW-06	11/17/00	635.20	637.96	615.00	590.00	19.69	2.83	22.52	17.57	617.59	Yes	skimmer down-bailed 6 gal. FP
RW-06	12/12/00	635.20	637.96	615.00	590.00	19.94	1.59	21.53	17.54	617.64	Yes	skimmer down-bailed 3 gal. FP
RW-06	01/18/01	635.20	637.96	615.00	590.00	20.23	1.75	21.98	17.87	617.31	Yes	skimmer down-bailed 4 gal. FP
RW-06	04/24/01	635.20	637.96	615.00	590.00	20.21	3.01	23.22	18.13	617.03	Yes	product abated using vactruck
RW-06	05/23/01	635.20	637.96	615.00	590.00	19.22	1.30	20.52	16.75	618.43	Yes	skimmer down/no product bailed
RW-06	06/19/01	635.20	637.96	615.00	590.00	19.45	0.72	20.17	16.85	618.34	Yes	
RW-06	07/26/01	635.20	637.96	615.00	590.00	20.22	0.99	21.21	17.68	617.50	Yes	
RW-06	08/31/01	635.20	637.96	615.00	590.00	20.41	0.01	20.42	17.65	617.55	Yes	
RW-06	09/26/01	635.20	637.96	615.00	590.00	20.41	0.24	20.65	17.70	617.49	Yes	
RW-06	10/24/01	635.20	637.96	615.00	590.00	20.00	1.45	21.45	17.57	617.61	Yes	
RW-06	12/20/01	635.20	637.96	615.00	590.00	20.58	1.84	22.42	18.24	616.94	Yes	
RW-06	01/22/02	635.20	637.96	615.00	590.00	20.53	1.88	22.41	18.19	616.98	Yes	
RW-06	02/26/02	635.20	637.96	615.00	590.00	21.22	0.89	22.11	18.66	616.53	Yes	
RW-06	03/20/02	635.20	637.96	615.00	590.00	21.60	0.14	21.74	18.87	616.33	Yes	
RW-06	04/24/02	635.20	637.96	615.00	590.00	20.32	2.54	22.86	18.13	617.03	Yes	
RW-06	05/15/02	635.20	637.96	615.00	590.00	20.04	2.29	22.33	17.80	617.37	Yes	
RW-06	06/27/02	635.20	637.96	615.00	590.00	20.44	1.53	21.97	18.03	617.15	Yes	
RW-06	07/25/02	635.20	637.96	615.00	590.00	20.57	0.04	20.61	17.82	617.38	Yes	
RW-06	08/20/02	635.20	637.96	615.00	590.00	20.73	0.15	20.88	18.00	617.19	Yes	
RW-06	09/30/02	635.20	637.96	615.00	590.00	NP	0.00	20.03	17.27	617.93	Yes	
RW-06	11/05/02	635.20	637.96	615.00	590.00	19.89	0.02	19.91	17.13	618.07	Yes	
RW-06	12/23/02	635.20	637.96	615.00	590.00	20.74	0.02	20.76	17.98	617.22	Yes	
RW-06	01/28/03	635.20	637.96	615.00	590.00	21.11	0.11	21.22	18.37	616.82	Yes	
RW-06	02/19/03	635.20	637.96	615.00	590.00	21.24	0.31	21.55	18.55	616.65	Yes	
RW-06	03/13/03	635.20	637.96	615.00	590.00	21.27	1.38	22.65	18.82	616.36	Yes	
RW-06	04/17/03	635.20	637.96	615.00	590.00	21.20	2.52	23.72	19.01	616.16	Yes	
RW-06	04/25/03	635.20	637.96	615.00	590.00	21.42	2.64	24.06	19.26	615.91	Yes	
RW-06	05/15/03	635.20	637.96	615.00	590.00	21.44	2.97	24.41	19.35	615.81	Yes	
RW-06	06/10/03	635.20	637.96	615.00	590.00	21.19	2.06	23.25	18.90	616.28	Yes	
RW-06	07/31/03	635.20	637.96	615.00	590.00	20.90	1.95	22.85	18.58	616.59	Yes	
RW-06	10/23/03	635.20	637.96	615.00	590.00	21.14	1.67	22.81	18.76	616.42	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

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RW-06	12/03/03	635.20	637.96	615.00	590.00	21.36	2.92	24.28	19.26	615.90	Yes	
RW-06	04/19/04	636.09	638.10	615.00	590.00	21.94	2.35	24.29	20.46	615.60	Yes	
RW-06	07/28/04	636.09	638.10	615.00	590.00	21.02	2.10	23.12	19.48	616.58	Yes	
RW-06	11/15/04	636.09	638.10	615.00	590.00	20.14	1.80	21.94	18.54	617.53	Yes	
RW-06	04/18/05	636.09	638.10	615.00	590.00	20.25	2.67	22.92	18.84	617.21	Yes	
RW-06	10/11/05	636.09	638.10	615.00	590.00	20.00	1.85	21.85	18.41	617.66	Yes	
RW-06	05/23/06	636.09	638.10	615.00	590.00	19.30	1.39	20.69	17.60	618.47	Yes	
RW-06	10/16/06	636.09	638.10	615.00	590.00	20.23	2.15	22.38	18.71	617.35	Yes	
RW-06	04/23/07	636.09	638.10	615.00	590.00	21.03	2.85	23.88	19.66	616.39	Yes	
RW-06	09/25/07	636.09	638.10	615.00	590.00	20.98	2.72	23.70	19.58	616.47	Yes	
RW-06	05/01/08	636.09	638.10	615.00	590.00	19.70	2.13	21.83	18.17	617.89	Yes	
RW-06	10/20/08	636.09	638.10	615.00	590.00	18.36	1.26	19.62	16.63	619.44	Yes	
RW-06	04/18/09	636.09	638.10	615.00	590.00	19.43	1.43	20.86	17.74	618.33	Yes	
RW-06	04/28/10	636.09	638.10	615.00	590.00	19.99	1.80	21.79	18.39	617.68	Yes	
RW-06	10/25/10	636.09	638.10	615.00	590.00	17.95	1.11	19.06	16.19	619.88	Yes	
RW-06	04/25/11	636.09	638.10	615.00	590.00	19.24	0.99	20.23	17.45	618.62	Yes	
RW-06	09/14/11	636.09	638.10	615.00	590.00	18.48	0.97	19.45	16.69	619.39	Yes	
RW-06	09/23/11	636.09	638.10	615.00	590.00	18.69	0.95	19.64	16.89	619.18	Yes	
RW-06	09/29/11	636.09	638.10	615.00	590.00	18.55	0.98	19.53	16.76	619.31	Yes	
RW-06	10/07/11	636.09	638.10	615.00	590.00	18.68	0.97	19.65	16.89	619.19	Yes	
RW-06	10/11/11	636.09	638.10	615.00	590.00	19.03	0.96	19.99	17.24	618.84	Yes	
RW-06	10/21/11	636.09	638.10	615.00	590.00	19.14	0.98	20.12	17.35	618.72	Yes	
RW-06	10/27/11	636.09	638.10	615.00	590.00	19.24	0.98	20.22	17.45	618.62	Yes	
RW-06	11/04/11	636.09	638.10	615.00	590.00	19.49	0.96	20.45	17.70	618.38	Yes	
RW-06	11/09/11	636.09	638.10	615.00	590.00	19.38	0.92	20.30	17.58	618.50	Yes	
RW-06	11/18/11	636.09	638.10	615.00	590.00	19.46	0.96	20.42	17.67	618.41	Yes	
RW-06	11/22/11	636.09	638.10	615.00	590.00	19.62	0.99	20.61	17.83	618.24	Yes	
RW-06	12/01/11	636.09	638.10	615.00	590.00	20.09	0.98	21.07	18.30	617.77	Yes	
RW-06	01/04/12	636.09	638.10	615.00	590.00	20.01	1.82	21.83	18.41	617.65	Yes	
RW-06	02/16/12	636.09	638.10	615.00	590.00	20.46	2.32	22.78	18.97	617.08	Yes	
RW-06	03/13/12	636.09	638.10	615.00	590.00	21.74	1.44	23.18	20.06	616.01	Yes	
RW-06	04/05/12	636.09	638.10	615.00	590.00	20.73	2.48	23.21	19.28	616.78	Yes	Spill Buddy Before Reading
RW-06	04/05/12	636.09	638.10	615.00	590.00	21.76	1.19	22.95	20.02	616.05	Yes	Spill Buddy After Reading
RW-06	04/16/12	636.09	638.10	615.00	590.00	20.70	2.18	22.88	19.18	616.88	Yes	
RW-06	05/18/12	636.09	638.10	615.00	590.00	20.75	4.48	25.23	19.75	616.28	Yes	
RW-06	06/26/12	636.09	638.10	615.00	590.00	18.55	1.10	19.65	16.79	619.29	Yes	
RW-06	07/11/12	636.09	638.10	615.00	590.00	18.79	1.13	19.92	17.04	619.04	Yes	Spill Buddy Before Reading
RW-06	07/11/12	636.09	638.10	615.00	590.00	19.75	0.02	19.77	17.74	618.35	Yes	Spill Buddy After Reading

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Former Amoco Terminal
Superior, Wisconsin

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RW-06	07/24/12	636.09	638.10	615.00	590.00	19.29	0.02	19.31	17.28	618.81	Yes	
RW-06	08/09/12	636.09	638.10	615.00	590.00	19.51	0.03	19.54	17.51	618.58	Yes	
RW-06	08/17/12	636.09	638.10	615.00	590.00	19.68	0.03	19.71	17.68	618.41	Yes	
RW-06	09/17/12	636.09	638.10	615.00	590.00	20.07	0.02	20.09	18.06	618.03	Yes	
RW-06	09/30/12	636.09	638.10	615.00	590.00	20.30	0.04	20.34	18.30	617.79	Yes	
RW-06	11/21/12	636.09	638.10	615.00	590.00	20.20	1.99	22.19	18.64	617.42	Yes	
RW-06	12/17/12	636.09	638.10	615.00	590.00	20.45	2.09	22.54	18.91	617.15	Yes	
RW-06	03/25/13	636.09	638.10	615.00	590.00	21.08	2.90	23.98	19.73	616.32	Yes	
RW-06	05/05/13	636.09	638.10	615.00	590.00	20.83	2.74	23.57	19.44	616.61	Yes	
RW-06	05/16/13	636.09	638.10	615.00	590.00	20.90	2.33	23.23	19.42	616.64	Yes	Spill Buddy Before Reading
RW-06	05/16/13	636.09	638.10	615.00	590.00	22.92	0.05	22.97	20.92	615.17	Yes	Spill Buddy After Reading
RW-06	10/03/13	636.09	638.10	615.00	590.00	20.60	1.58	22.18	18.95	617.12	Yes	
RW-06	05/22/14	636.09	638.10	615.00	590.00	19.29	1.64	20.93	17.65	618.42	Yes	
RW-06	10/31/14	636.09	638.10	615.00	590.00	18.71	1.58	20.29	17.06	619.01	Yes	
RW-06	05/06/15	636.09	638.10	615.00	590.00	20.21	2.01	22.22	18.65	617.41	Yes	
RW-06	10/05/15	636.09	638.10	615.00	590.00	18.38	1.50	19.88	16.71	619.36	Yes	
RW-06	10/03/16	636.09	638.10	615.00	590.00	17.35	1.35	18.70	15.64	620.43	Yes	
RW-06	06/14/17	636.09	638.10	615.00	590.00	16.40	1.26	17.66	14.67	621.40	Yes	
RW-06	06/21/17	636.09	638.10	615.00	590.00	16.81	1.25	18.06	15.08	620.99	Yes	
RW-06	06/22/17	636.09	638.10	615.00	590.00	16.77	0.64	17.41	14.90	621.18	Yes	
RW-06	06/23/17	636.09	638.10	615.00	590.00	16.85	0.66	17.51	14.99	621.09	Yes	
RW-06	10/26/17	636.09	638.10	615.00	590.00	14.85	0.64	15.49	12.98	623.10	Yes	
RW-06	07/16/19	636.09	638.10	615.00	590.00	17.25	1.39	18.64	15.55	620.52	Yes	
RW-06	05/26/20	636.09	638.10	615.00	590.00	16.27	0.52	16.79	14.38	621.71	Yes	
RW-06	04/29/21	636.09	638.10	615.00	590.00	17.86	0.97	18.83	16.07	620.01	Yes	Bailed 1 gallon
RW-06	05/06/21	636.09	638.10	615.00	590.00	18.15	0.31	18.46	16.21	619.88	Yes	Bailed 0.25 gallons
RW-06	05/13/21	636.09	638.10	615.00	590.00	18.26	0.19	18.45	16.29	619.79	Yes	Bailed 0.1 gallon
RW-06	05/19/21	636.09	638.10	615.00	590.00	18.35	0.18	18.53	16.38	619.71	Yes	Bailed 0.1 gallon
RW-06	05/24/21	636.09	638.10	615.00	590.00	18.14	0.20	18.34	16.18	619.91	Yes	
RW-06	05/28/21	636.09	638.10	615.00	590.00	18.20	0.18	18.38	16.23	619.86	Yes	Bailed 0.1 gallon
RW-06	06/08/21	636.09	638.10	615.00	590.00	18.21	0.15	18.36	16.23	619.85	Yes	Bailed 0.1 gallon
RW-06	08/24/21	636.09	638.10	615.00	590.00	18.14	0.20	18.34	16.18	619.91	Yes	Well appears to be bumped, metal ou
RW-06	08/31/21	636.09	638.10	615.00	590.00	19.59	0.11	19.70	17.60	618.48	Yes	
RW-06	08/31/21					well abandoned 8/31						
RW-07	05/04/90	630.70	633.42	611.74	586.74	NP	0.00	18.23	15.51	615.19	Yes	
RW-07	06/01/90	630.70	633.42	611.74	586.74	NP	0.00	18.07	15.35	615.35	Yes	
RW-07	06/19/90	630.70	633.42	611.74	586.74	17.81	0.15	17.96	15.12	615.58	Yes	
RW-07	06/27/90	630.70	633.42	611.74	586.74	NP	0.00	17.97	15.25	615.45	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
RW-07	07/05/90	630.70	633.42	611.74	586.74	18.15	0.01	18.16	15.43	615.27	Yes	
RW-07	07/13/90	630.70	633.42	611.74	586.74	NP	0.00	18.28	15.56	615.14	Yes	
RW-07	07/17/90	630.70	633.42	611.74	586.74	18.15	0.01	18.16	15.43	615.27	Yes	
RW-07	07/25/90	630.70	633.42	611.74	586.74	NP	0.00	18.18	15.46	615.24	Yes	
RW-07	08/09/90	630.70	633.42	611.74	586.74	NP	0.00	17.80	15.08	615.62	Yes	
RW-07	01/04/91	630.70	633.42	611.74	586.74	NP	0.00	17.54	14.82	615.88	Yes	
RW-07	01/30/91	630.70	633.42	611.74	586.74	NP	0.00	18.25	15.53	615.17	Yes	
RW-07	04/24/91	630.70	633.42	611.74	586.74	NP	0.00	17.85	15.13	615.57	Yes	
RW-07	07/09/91	630.70	633.42	611.74	586.74	NP	0.00	16.40	13.68	617.02	Yes	
RW-07	10/08/91	630.70	633.42	611.74	586.74	NP	0.00	15.14	12.42	618.28	Yes	
RW-07	01/07/92	630.70	633.42	611.74	586.74	NP	0.00	15.18	12.46	618.24	Yes	
RW-07	10/14/92	630.70	633.42	611.74	586.74	14.91	0.01	14.92	12.19	618.51	Yes	
RW-07	06/25/93	630.70	633.42	611.74	586.74	NP	0.00	13.74	11.02	619.68	Yes	
RW-07	10/28/93	630.70	633.42	611.74	586.74	NP	0.00	15.44	12.72	617.98	Yes	
RW-07	01/29/94	630.70	633.42	611.74	586.74	NP	0.00	15.87	13.15	617.55	Yes	
RW-07	04/27/94	630.70	633.42	611.74	586.74	NP	0.00	16.09	13.37	617.33	Yes	
RW-07	07/21/94	630.70	633.42	611.74	586.74	NP	0.00	15.02	12.30	618.40	Yes	
RW-07	10/25/94	630.70	633.42	611.74	586.74	NP	0.00	15.32	12.60	618.10	Yes	
RW-07	02/01/95	630.70	633.42	611.74	586.74	NP	0.00	16.50	13.78	616.92	Yes	
RW-07	04/04/95	630.70	633.42	611.74	586.74	NP	0.00	16.75	14.03	616.67	Yes	
RW-07	07/12/95	630.70	633.42	611.74	586.74	NP	0.00	16.09	13.37	617.33	Yes	
RW-07	11/13/95	630.70	633.42	611.74	586.74	NP	0.00	15.19	12.47	618.23	Yes	
RW-07	11/03/98	630.70	633.42	611.74	586.74	NP	0.00	16.78	14.06	616.64	Yes	
RW-07	03/02/99	630.70	633.42	611.74	586.74	NP	0.00	16.93	14.21	616.49	Yes	
RW-07	11/09/99	630.70	633.42	611.74	586.74	NP	0.00	14.50	11.78	618.92	Yes	
RW-07	12/21/99	630.70	633.42	611.74	586.74	NP	0.00	14.15	11.43	619.27	Yes	
RW-07	01/27/00	630.70	633.42	611.74	586.74	NP	0.00	15.97	13.25	617.45	Yes	
RW-07	02/24/00	630.70	633.42	611.74	586.74	NP	0.00	16.21	13.49	617.21	Yes	
RW-07	03/31/00	630.70	633.42	611.74	586.74	NP	0.00	16.28	13.56	617.14	Yes	
RW-07	04/20/00	630.70	633.42	611.74	586.74	NP	0.00	16.20	13.48	617.22	Yes	
RW-07	04/26/00	630.70	633.42	611.74	586.74	NP	0.00	16.28	13.56	617.14	Yes	
RW-07	05/31/00	630.70	633.42	611.74	586.74	NP	0.00	16.32	13.60	617.10	Yes	
RW-07	06/29/00	630.70	633.42	611.74	586.74	NP	0.00	16.10	13.38	617.32	Yes	
RW-07	07/26/00	630.70	633.42	611.74	586.74	NP	0.00	16.10	13.38	617.32	Yes	
RW-07	08/18/00	630.70	633.42	611.74	586.74	NP	0.00	16.42	13.70	617.00	Yes	
RW-07	09/27/00	630.70	633.42	611.74	586.74	NP	0.00	16.62	13.90	616.80	Yes	
RW-07	10/11/00	630.70	633.42	611.74	586.74	NP	0.00	16.65	13.93	616.77	Yes	
RW-07	11/17/00	630.70	633.42	611.74	586.74	NP	0.00	16.58	13.86	616.84	Yes	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

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RW-07	12/12/00	630.70	633.42	611.74	586.74	NP	0.00	16.53	13.81	616.89	Yes		
RW-07	01/18/01	630.70	633.42	611.74	586.74	16.82	0.02	16.84	14.10	616.60	Yes		
RW-07	05/23/01	630.70	633.42	611.74	586.74	NP	0.00	15.95	13.23	617.47	Yes		
RW-07	06/19/01	630.70	633.42	611.74	586.74	NP	0.00	15.88	13.16	617.54	Yes		
RW-07	07/26/01	630.70	633.42	611.74	586.74	NP	0.00	16.19	13.47	617.23	Yes		
RW-07	08/31/01	630.70	633.42	611.74	586.74	NP	0.00	16.57	13.85	616.85	Yes		
RW-07	09/26/01	630.70	633.42	611.74	586.74	NP	0.00	16.64	13.92	616.78	Yes		
RW-07	12/20/01	630.70	633.42	611.74	586.74	NP	0.00	17.16	14.44	616.26	Yes		
RW-07	01/22/02	630.70	633.42	611.74	586.74	NP	0.00	17.13	14.41	616.29	Yes		
RW-07	02/26/02	630.70	633.42	611.74	586.74	NP	0.00	17.39	14.67	616.03	Yes		
RW-07	03/20/02	630.70	633.42	611.74	586.74	NP	0.00	17.55	14.83	615.87	Yes		
RW-07	04/24/02	630.70	633.42	611.74	586.74	NP	0.00	17.38	14.66	616.04	Yes		
RW-07	05/15/02	630.70	633.42	611.74	586.74	NP	0.00	17.05	14.33	616.37	Yes		
RW-07	06/27/02	630.70	633.42	611.74	586.74	NP	0.00	17.18	14.46	616.24	Yes		
RW-07	07/25/02	630.70	633.42	611.74	586.74	NP	0.00	17.08	14.36	616.34	Yes		
RW-07	08/20/02	630.70	633.42	611.74	586.74	NP	0.00	17.03	14.31	616.39	Yes		
RW-07	09/30/02	630.70	633.42	611.74	586.74	NP	0.00	17.03	14.31	616.39	Yes		
RW-07	11/05/02	630.70	633.42	611.74	586.74	NP	0.00	16.59	13.87	616.83	Yes		
RW-07	12/23/02	630.70	633.42	611.74	586.74	NP	0.00	16.88	14.16	616.54	Yes		
RW-07	01/28/03	630.70	633.42	611.74	586.74	NP	0.00	17.38	14.66	616.04	Yes		
RW-07	02/19/03	630.70	633.42	611.74	586.74	NP	0.00	17.49	14.77	615.93	Yes		
RW-07	04/17/03	630.70	633.42	611.74	586.74	NP	0.00	17.77	15.05	615.65	Yes		
RW-07	10/23/03	630.70	633.42	611.74	586.74	NP	0.00	17.91	15.19	615.51	Yes		
RW-07	12/03/03	630.70	633.42	611.74	586.74	NP	0.00	18.03	15.31	615.39	Yes		
RW-07	04/19/04	631.55	633.20	611.74	586.74	NP	0.00	18.57	16.92	614.63	Yes		
RW-07	07/28/04	631.55	633.20	611.74	586.74	NP	0.00	17.78	16.13	615.42	Yes		
RW-07	11/16/04	631.55	633.20	611.74	586.74	NP	0.00	18.28	16.63	614.92	Yes		
RW-07	04/18/05	631.55	633.20	611.74	586.74	NP	0.00	18.12	16.47	615.08	Yes		
RW-07	10/11/05	631.55	633.20	611.74	586.74	NP	0.00	16.70	15.05	616.50	Yes		
RW-07	05/23/06	631.55	633.20	611.74	586.74	NP	0.00	15.60	13.95	617.60	Yes		
RW-07	10/16/06	631.55	633.20	611.74	586.74	NP	0.00	16.06	14.41	617.14	Yes		
RW-07	04/23/07	631.55	633.20	611.74	586.74	NP	0.00	16.92	15.27	616.28	Yes		
RW-07	06/26/07					Abandoned							No sample - 2" of water around well
EW-01	09/14/11	635.21	634.84	620.71	600.71	NP	0.00	14.61	14.97	620.23	No	TFRT System Down on 8/31/11 for well recovery test	
EW-01	09/23/11	635.21	634.84	620.71	600.71	NP	0.00	14.45	14.81	620.39	No		
EW-01	09/29/11	635.21	634.84	620.71	600.71	NP	0.00	14.78	15.14	620.06	No		

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Former Amoco Terminal
Superior, Wisconsin

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EW-01	10/07/11	635.21	634.84	620.71	600.71	NP	0.00	14.67	15.03	620.17	No	
EW-01	10/13/11	635.21	634.84	620.71	600.71	NP	0.00	14.75	15.11	620.09	No	
EW-01	10/21/11	635.21	634.84	620.71	600.71	NP	0.00	14.79	15.15	620.05	No	
EW-01	10/27/11	635.21	634.84	620.71	600.71	NP	0.00	15.11	15.47	619.73	No	
EW-01	11/01/11	635.21	634.84	620.71	600.71	NP	0.00	14.89	15.25	619.95	No	Conducted 2011 annual well pump maintenace
EW-01	11/10/11	635.21	634.84	620.71	600.71	NP	0.00	15.34	15.70	619.50	No	
EW-01	11/18/11	635.21	634.84	620.71	600.71	NP	0.00	15.52	15.88	619.32	No	
EW-01	11/22/11	635.21	634.84	620.71	600.71	NP	0.00	15.75	16.11	619.09	No	
EW-01	11/30/11	635.21	634.84	620.71	600.71	NP	0.00	15.85	16.21	618.99	No	Restarted TFRT system on 11/30/11 with only EW 4 & EW 5
EW-01	09/18/12	635.21	634.84	620.71	600.71	NP	0.00	17.29	17.65	617.55	No	
EW-01	11/21/12	635.21	634.84	620.71	600.71	NP	0.00	18.02	18.38	616.82	No	
EW-01	05/05/13	635.21	634.84	620.71	600.71	NP	0.00	18.52	18.88	616.32	No	
EW-01	10/03/13	635.21	634.84	620.71	600.71	NP	0.00	17.91	18.27	616.93	No	
EW-03	09/14/11	635.87	635.08	620.87	600.87	NP	0.00	15.71	16.51	619.37	No	TFRT System Down on 8/31/11 for well recovery test
EW-03	09/23/11	635.87	635.08	620.87	600.87	NP	0.00	15.94	16.74	619.14	No	
EW-03	09/29/11	635.87	635.08	620.87	600.87	NP	0.00	15.76	16.56	619.32	No	
EW-03	10/07/11	635.87	635.08	620.87	600.87	NP	0.00	16.02	16.82	619.06	No	
EW-03	10/13/11	635.87	635.08	620.87	600.87	NP	0.00	13.46	14.26	621.62	Yes	
EW-03	10/21/11	635.87	635.08	620.87	600.87	NP	0.00	16.39	17.19	618.69	No	
EW-03	10/27/11	635.87	635.08	620.87	600.87	NP	0.00	16.48	17.28	618.60	No	
EW-03	11/02/11	635.87	635.08	620.87	600.87	NP	0.00	16.81	17.61	618.27	No	Conducted 2011 annual well pump maintenace
EW-03	11/10/11	635.87	635.08	620.87	600.87	NP	0.00	16.84	17.64	618.24	No	
EW-03	11/18/11	635.87	635.08	620.87	600.87	NP	0.00	16.92	17.72	618.16	No	
EW-03	11/22/11	635.87	635.08	620.87	600.87	NP	0.00	17.02	17.82	618.06	No	
EW-03	12/01/11	635.87	635.08	620.87	600.87	NP	0.00	17.00	17.80	618.08	No	Restarted TFRT system on 11/30/11 with only EW 4 & EW 5
EW-03	09/18/12	635.87	635.08	620.87	600.87	NP	0.00	17.28	18.08	617.80	No	
EW-03	11/21/12	635.87	635.08	620.87	600.87	NP	0.00	17.85	18.65	617.23	No	
EW-03	05/05/13	635.87	635.08	620.87	600.87	NP	0.00	18.41	19.21	616.67	No	
EW-03	10/03/13	635.87	635.08	620.87	600.87	NP	0.00	17.89	18.69	617.19	No	
EW-04	09/14/11	637.11	636.90	622.11	602.11	16.08	3.52	19.60	17.09	620.02	No	TFRT System Down on 8/31/11 for well recovery test
EW-04	09/23/11	637.11	636.90	622.11	602.11	15.63	6.26	21.89	17.26	619.85	No	
EW-04	09/29/11	637.11	636.90	622.11	602.11	16.03	7.15	23.18	17.86	619.25	No	
EW-04	10/07/11	637.11	636.90	622.11	602.11	15.74	8.46	24.20	17.86	619.25	No	
EW-04	10/13/11	637.11	636.90	622.11	602.11	15.88	8.85	24.73	18.09	619.02	No	
EW-04	10/21/11	637.11	636.90	622.11	602.11	15.76	9.51	25.27	18.12	618.99	No	
EW-04	10/27/11	637.11	636.90	622.11	602.11	16.09	9.80	25.89	18.52	618.59	No	

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Former Amoco Terminal
Superior, Wisconsin

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EW-04	11/02/11	637.11	636.90	622.11	602.11	16.15	10.00	26.15	18.62	618.49	No	Conducted 2011 annual well pump maintenance
EW-04	11/10/11	637.11	636.90	622.11	602.11	16.19	10.27	26.46	18.72	618.39	No	
EW-04	11/18/11	637.11	636.90	622.11	602.11	16.22	10.77	26.99	18.87	618.24	No	Restarted TFRT system on 11/30/11 with only EW 4 & EW 5
EW-04	11/22/11	637.11	636.90	622.11	602.11	16.38	11.08	27.46	19.10	618.01	No	
EW-04	11/30/11	637.11	636.90	622.11	602.11	17.73	10.99	28.72	20.43	616.68	No	Restarted TFRT system on 11/30/11 with only EW 4 & EW 5
EW-04	09/18/12	637.11	636.90	622.11	602.11	18.66	6.24	24.90	20.28	616.83	No	
EW-04	11/21/12	637.11	636.90	622.11	602.11	19.42	6.25	25.67	21.04	616.06	No	Spill Buddy Before Reading
EW-04	03/25/13	637.11	636.90	622.11	602.11	20.58	6.18	26.76	22.19	614.92	No	
EW-04	05/05/13	637.11	636.90	622.11	602.11	20.85	6.13	26.98	22.45	614.66	No	Spill Buddy After Reading
EW-04	05/16/13	637.11	636.90	622.11	602.11	19.92	5.80	25.72	21.44	615.67	No	
EW-04	05/16/13	637.11	636.90	622.11	602.11	25.33	0.31	25.64	25.61	611.50	No	Spill Buddy After Reading
EW-04	10/03/13	637.11	636.90	622.11	602.11	20.00	1.11	21.11	20.46	616.65	No	
EW-05	09/14/11	635.25	634.79	620.25	600.25	16.37	0.03	16.40	16.84	618.41	No	TFRT System Down on 8/31/11 for well recovery test
EW-05	09/23/11	635.25	634.79	620.25	600.25	16.47	0.06	16.53	16.95	618.31	No	
EW-05	09/29/11	635.25	634.79	620.25	600.25	16.43	0.10	16.53	16.92	618.34	No	TFRT System Down on 8/31/11 for well recovery test
EW-05	10/07/11	635.25	634.79	620.25	600.25	16.44	0.08	16.52	16.92	618.33	No	
EW-05	10/13/11	635.25	634.79	620.25	600.25	16.48	0.08	16.56	16.96	618.29	No	TFRT System Down on 8/31/11 for well recovery test
EW-05	10/21/11	635.25	634.79	620.25	600.25	16.88	0.10	16.98	17.37	617.89	No	
EW-05	10/27/11	635.25	634.79	620.25	600.25	17.08	0.12	17.20	17.57	617.68	No	TFRT System Down on 8/31/11 for well recovery test
EW-05	11/01/11	635.25	634.79	620.25	600.25	17.26	0.16	17.42	17.76	617.49	No	
EW-05	11/10/11	635.25	634.79	620.25	600.25	17.85	0.25	18.10	18.37	616.88	No	Conducted 2011 annual well pump maintenance
EW-05	11/18/11	635.25	634.79	620.25	600.25	17.85	0.25	18.10	18.37	616.88	No	
EW-05	11/22/11	635.25	634.79	620.25	600.25	17.97	0.27	18.24	18.49	616.76	No	Conducted 2011 annual well pump maintenance
EW-05	11/30/11	635.25	634.79	620.25	600.25	17.97	0.27	18.24	18.49	616.76	No	
EW-05	09/18/12	635.25	634.79	620.25	600.25	NP	0.00	17.59	18.05	617.20	No	with only EW 4 & EW 5
EW-05	11/21/12	635.25	634.79	620.25	600.25	18.30	0.02	18.32	18.77	616.48	No	
EW-05	05/05/13	635.25	634.79	620.25	600.25	17.20	0.48	17.68	17.77	617.48	No	with only EW 4 & EW 5
EW-05	10/03/13	635.25	634.79	620.25	600.25	18.08	0.03	18.11	18.55	616.70	No	
EW-05	05/22/14	635.25	634.79	620.25	600.25	16.47	0.26	16.73	16.99	618.26	No	with only EW 4 & EW 5
EW-05	10/31/14	635.25	634.79	620.25	600.25	16.37	0.22	16.59	16.88	618.37	No	
EW-05	05/06/15	635.25	634.79	620.25	600.25	NP	0.00	17.16	17.62	617.63	No	with only EW 4 & EW 5
EW-05	10/05/15	635.25	634.79	620.25	600.25	16.00	0.20	16.20	16.51	618.74	No	
EW-05	05/26/20	635.25	634.79	620.25	600.25	13.13	0.08	13.21	13.61	621.64	Yes	with only EW 4 & EW 5
EW-05	05/25/21	635.25	634.79	620.25	600.25	NP	0.00	11.10	11.56	623.69	Yes	
EW-06	07/25/11	636.90	639.00	621.90	601.90	NP	0.00	19.80	17.70	619.20	No	

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Former Amoco Terminal
Superior, Wisconsin

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EW-06	08/18/11	636.90	639.00	621.90	601.90	NP	0.00	19.28	17.18	619.72	No	
EW-06	08/25/11	636.90	639.00	621.90	601.90	NP	0.00	19.78	17.68	619.22	No	
EW-06	09/01/11	636.90	639.00	621.90	601.90	NP	0.00	19.77	17.67	619.23	No	
EW-06	09/08/11	636.90	639.00	621.90	601.90	NP	0.00	20.27	18.17	618.73	No	
EW-06	09/14/11	636.90	639.00	621.90	601.90	NP	0.00	20.65	18.55	618.35	No	
EW-06	09/23/11	636.90	639.00	621.90	601.90	NP	0.00	20.77	18.67	618.23	No	
EW-06	09/29/11	636.90	639.00	621.90	601.90	NP	0.00	20.74	18.64	618.26	No	
EW-06	10/07/11	636.90	639.00	621.90	601.90	NP	0.00	20.77	18.67	618.23	No	
EW-06	10/11/11	636.90	639.00	621.90	601.90	NP	0.00	20.94	18.84	618.06	No	
EW-06	10/21/11	636.90	639.00	621.90	601.90	NP	0.00	21.14	19.04	617.86	No	
EW-06	10/27/11	636.90	639.00	621.90	601.90	NP	0.00	20.56	18.46	618.44	No	
EW-06	11/04/11	636.90	639.00	621.90	601.90	NP	0.00	21.47	19.37	617.53	No	
EW-06	11/09/11	636.90	639.00	621.90	601.90	NP	0.00	21.35	19.25	617.65	No	
EW-06	11/18/11	636.90	639.00	621.90	601.90	NP	0.00	21.51	19.41	617.49	No	
EW-06	11/22/11	636.90	639.00	621.90	601.90	NP	0.00	21.63	19.53	617.37	No	
EW-06	12/01/11	636.90	639.00	621.90	601.90	NP	0.00	22.04	19.94	616.96	No	
EW-06	01/04/12	636.90	639.00	621.90	601.90	NP	0.00	22.34	20.24	616.66	No	
EW-06	02/16/12	636.90	639.00	621.90	601.90	NP	0.00	22.85	20.75	616.15	No	
EW-06	03/13/12	636.90	639.00	621.90	601.90	NP	0.00	23.04	20.94	615.96	No	
EW-06	04/16/12	636.90	639.00	621.90	601.90	NP	0.00	23.39	21.29	615.61	No	
EW-06	05/18/12	636.90	639.00	621.90	601.90	22.36	0.45	22.81	20.36	616.54	No	
EW-06	06/26/12	636.90	639.00	621.90	601.90	20.78	0.26	21.04	18.74	618.16	No	
EW-06	07/12/12	636.90	639.00	621.90	601.90	20.93	0.26	21.19	18.89	618.01	No	
EW-06	07/24/12	636.90	639.00	621.90	601.90	21.10	0.59	21.69	19.13	617.77	No	
EW-06	08/09/12	636.90	639.00	621.90	601.90	21.22	0.63	21.85	19.26	617.64	No	Spill Buddy Before Reading
EW-06	08/09/12	636.90	639.00	621.90	601.90	21.48	0.13	21.61	19.41	617.49	No	Spill Buddy After Reading
EW-06	08/17/12	636.90	639.00	621.90	601.90	21.39	0.60	21.99	19.43	617.47	No	
EW-06	09/17/12	636.90	639.00	621.90	601.90	21.75	0.97	22.72	19.87	617.03	No	
EW-06	09/18/12	636.90	639.00	621.90	601.90	21.70	0.65	22.35	19.75	617.15	No	Spill Buddy Before Reading
EW-06	09/18/12	636.90	639.00	621.90	601.90	21.99	0.02	22.01	19.89	617.01	No	Spill Buddy After Reading
EW-06	09/20/12	636.90	639.00	621.90	601.90	21.86	0.40	22.26	19.85	617.05	No	
EW-06	09/30/12	636.90	639.00	621.90	601.90	21.98	0.44	22.42	19.98	616.92	No	
EW-06	10/22/12	636.90	639.00	621.90	601.90	22.37	0.58	22.95	20.40	616.50	No	
EW-06	11/21/12	636.90	639.00	621.90	601.90	22.50	0.44	22.94	20.50	616.40	No	
EW-06	12/17/12	636.90	639.00	621.90	601.90	22.72	0.77	23.49	20.79	616.11	No	
EW-06	12/20/12	636.90	639.00	621.90	601.90	22.71	0.78	23.49	20.79	616.11	No	
EW-06	03/25/13	636.90	639.00	621.90	601.90	23.22	2.22	25.44	21.62	615.28	No	
EW-06	04/03/13	636.90	639.00	621.90	601.90	23.21	2.31	25.52	21.63	615.27	No	Spill Buddy Before Reading

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
EW-06	04/03/13	636.90	639.00	621.90	601.90	23.94	0.05	23.99	21.85	615.05	No	Spill Buddy After Reading
EW-06	05/05/13	636.90	639.00	621.90	601.90	23.31	1.72	25.03	21.60	615.30	No	
EW-06	10/03/13	636.90	639.00	621.90	601.90	22.59	0.89	23.48	20.69	616.21	No	
EW-06	05/22/14	636.90	639.00	621.90	601.90	21.61	0.37	21.98	19.59	617.31	No	
EW-06	10/31/14	636.90	639.00	621.90	601.90	20.66	0.39	21.05	18.65	618.25	No	
EW-06	05/06/15	636.90	639.00	621.90	601.90	22.18	1.84	24.02	20.50	616.40	No	
EW-06	10/05/15	636.90	639.00	621.90	601.90	20.79	0.29	21.08	18.76	618.14	No	
EW-06	05/23/16	636.90	639.00	621.90	601.90	18.09	0.43	18.52	16.09	620.81	No	
EW-06	10/03/16	636.90	639.00	621.90	601.90	19.59	0.03	19.62	17.50	619.40	No	
EW-06	06/29/17	636.90	639.00	621.90	601.90	19.03	0.32	19.35	17.00	619.90	No	
EW-06	05/26/20	636.90	639.00	621.90	601.90	18.29	0.27	18.56	16.25	620.65	No	
EW-06	05/24/21	636.90	639.00	621.90	601.90	20.29	0.07	20.36	18.21	618.69	No	
EW-07	07/25/11	635.40	637.20	620.40	600.40	NP	0.00	18.87	17.07	618.33	No	
EW-07	08/18/11	635.40	637.20	620.40	600.40	NP	0.00	18.51	16.71	618.69	No	
EW-07	08/25/11	635.40	637.20	620.40	600.40	NP	0.00	18.92	17.12	618.28	No	
EW-07	09/01/11	635.40	637.20	620.40	600.40	NP	0.00	19.04	17.24	618.16	No	
EW-07	09/08/11	635.40	637.20	620.40	600.40	NP	0.00	19.52	17.72	617.68	No	
EW-07	09/14/11	635.40	637.20	620.40	600.40	NP	0.00	19.84	18.04	617.36	No	
EW-07	09/23/11	635.40	637.20	620.40	600.40	NP	0.00	20.04	18.24	617.16	No	
EW-07	09/29/11	635.40	637.20	620.40	600.40	NP	0.00	20.04	18.24	617.16	No	
EW-07	10/07/11	635.40	637.20	620.40	600.40	NP	0.00	20.18	18.38	617.02	No	
EW-07	10/11/11	635.40	637.20	620.40	600.40	NP	0.00	20.31	18.51	616.89	No	
EW-07	10/21/11	635.40	637.20	620.40	600.40	NP	0.00	20.56	18.76	616.64	No	
EW-07	10/27/11	635.40	637.20	620.40	600.40	NP	0.00	20.66	18.86	616.54	No	
EW-07	11/01/11	635.40	637.20	620.40	600.40	NP	0.00	20.85	19.05	616.35	No	
EW-07	11/09/11	635.40	637.20	620.40	600.40	NP	0.00	20.82	19.02	616.38	No	
EW-07	11/18/11	635.40	637.20	620.40	600.40	NP	0.00	20.98	19.18	616.22	No	
EW-07	11/22/11	635.40	637.20	620.40	600.40	NP	0.00	21.11	19.31	616.09	No	
EW-07	12/01/11	635.40	637.20	620.40	600.40	NP	0.00	21.04	19.24	616.16	No	
EW-07	01/04/12	635.40	637.20	620.40	600.40	NP	0.00	21.75	19.95	615.45	No	
EW-07	02/16/12	635.40	637.20	620.40	600.40	NP	0.00	22.26	20.46	614.94	No	
EW-07	03/13/12	635.40	637.20	620.40	600.40	NP	0.00	22.51	20.71	614.69	No	
EW-07	04/16/12	635.40	637.20	620.40	600.40	NP	0.00	22.40	20.60	614.80	No	
EW-07	05/18/12	635.40	637.20	620.40	600.40	NP	0.00	21.45	19.65	615.75	No	
EW-07	06/26/12	635.40	637.20	620.40	600.40	NP	0.00	19.45	17.65	617.75	No	
EW-07	07/24/12	635.40	637.20	620.40	600.40	NP	0.00	20.20	18.40	617.00	No	
EW-07	08/17/12	635.40	637.20	620.40	600.40	NP	0.00	20.48	18.68	616.72	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
EW-07	09/17/12	635.40	637.20	620.40	600.40	NP	0.00	20.90	19.10	616.30	No	
EW-07	09/20/12	635.40	637.20	620.40	600.40	NP	0.00	20.94	19.14	616.26	No	
EW-07	09/30/12	635.40	637.20	620.40	600.40	NP	0.00	21.07	19.27	616.13	No	
EW-07	10/22/12	635.40	637.20	620.40	600.40	NP	0.00	21.43	19.63	615.77	No	
EW-07	11/21/12	635.40	637.20	620.40	600.40	NP	0.00	21.60	19.80	615.60	No	
EW-07	12/17/12	635.40	637.20	620.40	600.40	NP	0.00	21.84	20.04	615.36	No	
EW-07	12/20/12	635.40	637.20	620.40	600.40	NP	0.00	21.88	20.08	615.32	No	
EW-07	03/25/13	635.40	637.20	620.40	600.40	NP	0.00	22.70	20.90	614.50	No	
EW-07	05/05/13	635.40	637.20	620.40	600.40	NP	0.00	22.01	20.21	615.19	No	
EW-07	10/03/13	635.40	637.20	620.40	600.40	21.00	4.16	25.16	20.14	615.26	No	
EW-07	05/22/14	635.40	637.20	620.40	600.40	19.69	1.17	20.86	18.15	617.25	No	
EW-07	10/31/14	635.40	637.20	620.40	600.40	19.34	1.01	20.35	17.77	617.63	No	
EW-07	05/06/15	635.40	637.20	620.40	600.40	20.83	1.51	22.34	19.37	616.03	No	
EW-07	10/05/15	635.40	637.20	620.40	600.40	19.14	0.78	19.92	17.52	617.88	No	
EW-07	05/23/16	635.40	637.20	620.40	600.40	NP	0.00	17.73	15.93	619.47	No	
EW-07	10/03/16	635.40	637.20	620.40	600.40	18.19	0.65	18.84	16.54	618.86	No	
EW-07	06/29/17	635.40	637.20	620.40	600.40	17.68	0.67	18.35	16.03	619.37	No	
EW-07	05/26/20	635.40	637.20	620.40	600.40	NP	0.00	16.98	15.18	620.22	No	
EW-07	05/24/21	635.40	637.20	620.40	600.40	NP	0.00	19.02	17.22	618.18	No	
EW-08	07/25/11	635.30	637.26	620.30	600.30	NP	0.00	17.82	15.86	619.44	No	
EW-08	08/18/11	635.30	637.26	620.30	600.30	NP	0.00	17.30	15.34	619.96	No	
EW-08	08/25/11	635.30	637.26	620.30	600.30	NP	0.00	17.73	15.77	619.53	No	
EW-08	09/01/11	635.30	637.26	620.30	600.30	NP	0.00	17.78	15.82	619.48	No	
EW-08	09/08/11	635.30	637.26	620.30	600.30	NP	0.00	18.25	16.29	619.01	No	
EW-08	09/14/11	635.30	637.26	620.30	600.30	NP	0.00	18.61	16.65	618.65	No	
EW-08	09/23/11	635.30	637.26	620.30	600.30	NP	0.00	18.74	16.78	618.52	No	
EW-08	09/29/11	635.30	637.26	620.30	600.30	NP	0.00	18.77	16.81	618.49	No	
EW-08	10/07/11	635.30	637.26	620.30	600.30	NP	0.00	18.78	16.82	618.48	No	
EW-08	10/11/11	635.30	637.26	620.30	600.30	NP	0.00	18.95	16.99	618.31	No	
EW-08	10/21/11	635.30	637.26	620.30	600.30	NP	0.00	19.16	17.20	618.10	No	
EW-08	10/27/11	635.30	637.26	620.30	600.30	NP	0.00	19.30	17.34	617.96	No	
EW-08	11/04/11	635.30	637.26	620.30	600.30	NP	0.00	19.46	17.50	617.80	No	
EW-08	11/09/11	635.30	637.26	620.30	600.30	NP	0.00	19.39	17.43	617.87	No	
EW-08	11/18/11	635.30	637.26	620.30	600.30	NP	0.00	19.53	17.57	617.73	No	
EW-08	11/22/11	635.30	637.26	620.30	600.30	NP	0.00	19.63	17.67	617.63	No	
EW-08	12/01/11	635.30	637.26	620.30	600.30	NP	0.00	19.99	18.03	617.27	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
EW-08	01/04/12	635.30	637.26	620.30	600.30	NP	0.00	20.25	18.29	617.01	No	
EW-08	02/16/12	635.30	637.26	620.30	600.30	NP	0.00	20.73	18.77	616.53	No	
EW-08	03/13/12	635.30	637.26	620.30	600.30	NP	0.00	20.95	18.99	616.31	No	
EW-08	04/16/12	635.30	637.26	620.30	600.30	NP	0.00	21.29	19.33	615.97	No	
EW-08	05/18/12	635.30	637.26	620.30	600.30	NP	0.00	20.42	18.46	616.84	No	
EW-08	06/26/12	635.30	637.26	620.30	600.30	NP	0.00	18.86	16.90	618.40	No	
EW-08	07/24/12	635.30	637.26	620.30	600.30	NP	0.00	18.17	16.21	619.09	No	
EW-08	08/19/12	635.30	637.26	620.30	600.30	NP	0.00	19.51	17.55	617.75	No	
EW-08	09/17/12	635.30	637.26	620.30	600.30	NP	0.00	19.57	17.61	617.69	No	
EW-08	09/30/12	635.30	637.26	620.30	600.30	NP	0.00	20.07	18.11	617.19	No	
EW-08	10/22/12	635.30	637.26	620.30	600.30	NP	0.00	20.40	18.44	616.86	No	
EW-08	11/21/12	635.30	637.26	620.30	600.30	NP	0.00	20.53	18.57	616.73	No	
EW-08	12/17/12	635.30	637.26	620.30	600.30	NP	0.00	20.79	18.83	616.47	No	
EW-08	03/25/13	635.30	637.26	620.30	600.30	NP	0.00	21.53	19.57	615.73	No	
EW-08	05/05/13	635.30	637.26	620.30	600.30	NP	0.00	21.38	19.42	615.88	No	
EW-08	10/03/13	635.30	637.26	620.30	600.30	NP	0.00	21.80	19.84	615.46	No	
EW-08	05/21/14	635.30	637.26	620.30	600.30	NP	0.00	18.68	16.72	618.58	No	
EW-08	10/30/14	635.30	637.26	620.30	600.30	NP	0.00	18.51	16.55	618.75	No	
EW-08	05/05/15	635.30	637.26	620.30	600.30	NP	0.00	20.45	18.49	616.81	No	
EW-08	10/06/15	635.30	637.26	620.30	600.30	NP	0.00	18.75	16.79	618.51	No	
EW-08	05/23/16	635.30	637.26	620.30	600.30	NP	0.00	16.31	14.35	620.95	Yes	
EW-08	10/03/16	635.30	637.26	620.30	600.30	NP	0.00	17.60	15.64	619.66	No	
EW-08	06/29/17	635.30	637.26	620.30	600.30	NP	0.00	17.16	15.20	620.10	No	
EW-08	05/26/20	635.30	637.26	620.30	600.30	NP	0.00	16.31	14.35	620.95	Yes	
EW-08	05/24/21	635.30	637.26	620.30	600.30	NP	0.00	18.25	16.29	619.01	No	
EW-09	07/25/11	635.20	637.34	620.20	600.20	NP	0.00	18.38	16.24	618.96	No	
EW-09	08/18/11	635.20	637.34	620.20	600.20	NP	0.00	17.96	15.82	619.38	No	
EW-09	08/25/11	635.20	637.34	620.20	600.20	NP	0.00	18.33	16.19	619.01	No	
EW-09	09/01/11	635.20	637.34	620.20	600.20	NP	0.00	18.45	16.31	618.89	No	
EW-09	09/08/11	635.20	637.34	620.20	600.20	NP	0.00	18.90	16.76	618.44	No	
EW-09	09/14/11	635.20	637.34	620.20	600.20	NP	0.00	19.24	17.10	618.10	No	
EW-09	09/23/11	635.20	637.34	620.20	600.20	NP	0.00	19.47	17.33	617.87	No	
EW-09	09/29/11	635.20	637.34	620.20	600.20	NP	0.00	19.46	17.32	617.88	No	
EW-09	10/07/11	635.20	637.34	620.20	600.20	NP	0.00	19.62	17.48	617.72	No	
EW-09	10/11/11	635.20	637.34	620.20	600.20	NP	0.00	19.74	17.60	617.60	No	
EW-09	10/21/11	635.20	637.34	620.20	600.20	NP	0.00	19.89	17.75	617.45	No	
EW-09	10/27/11	635.20	637.34	620.20	600.20	NP	0.00	20.14	18.00	617.20	No	

Table 3
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Former Amoco Terminal
Superior, Wisconsin

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EW-09	11/04/11	635.20	637.34	620.20	600.20	NP	0.00	20.39	18.25	616.95	No	
EW-09	11/09/11	635.20	637.34	620.20	600.20	NP	0.00	20.35	18.21	616.99	No	
EW-09	11/18/11	635.20	637.34	620.20	600.20	NP	0.00	20.56	18.42	616.78	No	
EW-09	11/22/11	635.20	637.34	620.20	600.20	NP	0.00	20.28	18.14	617.06	No	
EW-09	12/01/11	635.20	637.34	620.20	600.20	NP	0.00	20.66	18.52	616.68	No	
EW-09	01/04/12	635.20	637.34	620.20	600.20	NP	0.00	21.37	19.23	615.97	No	
EW-09	02/16/12	635.20	637.34	620.20	600.20	NP	0.00	21.92	19.78	615.42	No	
EW-09	03/13/12	635.20	637.34	620.20	600.20	NP	0.00	22.20	20.06	615.14	No	
EW-09	04/16/12	635.20	637.34	620.20	600.20	NP	0.00	22.05	19.91	615.29	No	
EW-09	05/18/12	635.20	637.34	620.20	600.20	NP	0.00	21.08	18.94	616.26	No	
EW-09	06/26/12	635.20	637.34	620.20	600.20	NP	0.00	19.32	17.18	618.02	No	
EW-09	07/24/12	635.20	637.34	620.20	600.20	NP	0.00	19.89	17.75	617.45	No	
EW-09	08/19/12	635.20	637.34	620.20	600.20	NP	0.00	20.29	18.15	617.05	No	
EW-09	09/17/12	635.20	637.34	620.20	600.20	NP	0.00	20.78	18.64	616.56	No	
EW-09	09/30/12	635.20	637.34	620.20	600.20	NP	0.00	21.03	18.89	616.31	No	
EW-09	11/21/12	635.20	637.34	620.20	600.20	NP	0.00	21.38	19.24	615.96	No	
EW-09	12/17/12	635.20	637.34	620.20	600.20	NP	0.00	21.71	19.57	615.63	No	
EW-09	03/25/13	635.20	637.34	620.20	600.20	NP	0.00	22.57	20.43	614.77	No	
EW-09	05/05/13	635.20	637.34	620.20	600.20	NP	0.00	22.15	20.01	615.19	No	
EW-09	10/03/13	635.20	637.34	620.20	600.20	NP	0.00	21.58	19.44	615.76	No	
EW-09	05/21/14	635.20	637.34	620.20	600.20	NP	0.00	20.01	17.87	617.33	No	
EW-09	10/31/14	635.20	637.34	620.20	600.20	NP	0.00	19.57	17.43	617.77	No	
EW-09	05/05/15	635.20	637.34	620.20	600.20	NP	0.00	21.31	19.17	616.03	No	
EW-09	10/05/15	635.20	637.34	620.20	600.20	NP	0.00	19.23	17.09	618.11	No	
EW-09	05/23/16	635.20	637.34	620.20	600.20	NP	0.00	16.90	14.76	620.44	Yes	
EW-09	10/03/16	635.20	637.34	620.20	600.20	NP	0.00	17.90	15.76	619.44	No	
EW-09	06/29/17	635.20	637.34	620.20	600.20	NP	0.00	17.46	15.32	619.88	No	
EW-09	05/26/20	635.20	637.34	620.20	600.20	NP	0.00	16.60	14.46	620.74	Yes	
EW-09	05/24/21	635.20	637.34	620.20	600.20	NP	0.00	18.61	16.47	618.73	No	
EW-09	08/31/21	635.20	637.34	620.20	600.20	NP	0.00	19.74	17.60	617.60	No	
EW-09	08/31/21					well abandoned 8/31						
EW-10	07/25/11	635.90	637.83	620.90	600.90	NP	0.00	18.21	16.28	619.62	No	
EW-10	08/18/11	635.90	637.83	620.90	600.90	NP	0.00	17.74	15.81	620.09	No	
EW-10	08/25/11	635.90	637.83	620.90	600.90	NP	0.00	18.07	16.14	619.76	No	
EW-10	09/01/11	635.90	637.83	620.90	600.90	NP	0.00	18.03	16.10	619.80	No	
EW-10	09/08/11	635.90	637.83	620.90	600.90	NP	0.00	18.54	16.61	619.29	No	
EW-10	09/14/11	635.90	637.83	620.90	600.90	NP	0.00	18.93	17.00	618.90	No	
EW-10	09/23/11	635.90	637.83	620.90	600.90	NP	0.00	19.16	17.23	618.67	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
EW-10	09/29/11	635.90	637.83	620.90	600.90	NP	0.00	19.10	17.17	618.73	No	
EW-10	10/07/11	635.90	637.83	620.90	600.90	NP	0.00	19.24	17.31	618.59	No	
EW-10	10/11/11	635.90	637.83	620.90	600.90	NP	0.00	19.38	17.45	618.45	No	
EW-10	10/21/11	635.90	637.83	620.90	600.90	NP	0.00	19.69	17.76	618.14	No	
EW-10	10/27/11	635.90	637.83	620.90	600.90	NP	0.00	19.83	17.90	618.00	No	
EW-10	11/04/11	635.90	637.83	620.90	600.90	NP	0.00	20.05	18.12	617.78	No	
EW-10	11/09/11	635.90	637.83	620.90	600.90	NP	0.00	19.95	18.02	617.88	No	
EW-10	11/18/11	635.90	637.83	620.90	600.90	NP	0.00	20.12	18.19	617.71	No	
EW-10	11/22/11	635.90	637.83	620.90	600.90	NP	0.00	20.20	18.27	617.63	No	
EW-10	12/01/11	635.90	637.83	620.90	600.90	NP	0.00	20.66	18.73	617.17	No	
EW-10	01/04/12	635.90	637.83	620.90	600.90	NP	0.00	20.85	18.92	616.98	No	
EW-10	02/16/12	635.90	637.83	620.90	600.90	NP	0.00	21.40	19.47	616.43	No	
EW-10	03/13/12	635.90	637.83	620.90	600.90	NP	0.00	21.65	19.72	616.18	No	
EW-10	04/16/12	635.90	637.83	620.90	600.90	NP	0.00	21.59	19.66	616.24	No	
EW-10	05/18/12	635.90	637.83	620.90	600.90	NP	0.00	20.68	18.75	617.15	No	
EW-10	06/26/12	635.90	637.83	620.90	600.90	NP	0.00	19.19	17.26	618.64	No	
EW-10	07/24/12	635.90	637.83	620.90	600.90	NP	0.00	19.54	17.61	618.29	No	
EW-10	08/19/12	635.90	637.83	620.90	600.90	NP	0.00	19.93	18.00	617.90	No	
EW-10	09/17/12	635.90	637.83	620.90	600.90	NP	0.00	20.33	18.40	617.50	No	
EW-10	09/30/12	635.90	637.83	620.90	600.90	NP	0.00	20.55	18.62	617.28	No	
EW-10	11/21/12	635.90	637.83	620.90	600.90	NP	0.00	20.96	19.03	616.87	No	
EW-10	12/17/12	635.90	637.83	620.90	600.90	NP	0.00	21.19	19.26	616.64	No	
EW-10	03/25/13	635.90	637.83	620.90	600.90	NP	0.00	21.97	20.04	615.86	No	
EW-10	05/05/13	635.90	637.83	620.90	600.90	NP	0.00	21.72	19.79	616.11	No	
EW-10	10/13/13	635.90	637.83	620.90	600.90	NP	0.00	21.17	19.24	616.66	No	
EW-10	05/21/14	635.90	637.83	620.90	600.90	NP	0.00	19.97	18.04	617.86	No	
EW-10	10/31/14	635.90	637.83	620.90	600.90	NP	0.00	19.30	17.37	618.53	No	
EW-10	05/05/15	635.90	637.83	620.90	600.90	NP	0.00	21.05	19.12	616.78	No	
EW-10	10/05/15	635.90	637.83	620.90	600.90	NP	0.00	18.98	17.05	618.85	No	
EW-10	05/23/16	635.90	637.83	620.90	600.90	NP	0.00	16.60	14.67	621.23	Yes	
EW-10	10/03/16	635.90	637.83	620.90	600.90	NP	0.00	17.65	15.72	620.18	No	
EW-10	06/29/17	635.90	637.83	620.90	600.90	NP	0.00	17.31	15.38	620.52	No	
EW-10	05/26/20	635.90	637.83	620.90	600.90	NP	0.00	16.25	14.32	621.58	Yes	
EW-10	04/29/21	635.90	637.83	620.90	600.90	NP	0.00	18.30	16.37	619.53	No	
EW-10	05/24/21	635.90	637.83	620.90	600.90	NP	0.00	18.32	16.39	619.51	No	
EW-10	08/31/21	635.90	637.83	620.90	600.90	NP	0.00	19.56	17.63	618.27	No	
EW-10	08/31/21					well abandoned 8/31						
EW-11	07/25/11	637.20	639.14	622.20	602.20	18.65	1.84	20.49	17.13	620.07	No	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
EW-11	08/18/11	637.20	639.14	622.20	602.20	17.94	3.58	21.52	16.81	620.39	No	
EW-11	08/25/11	637.20	639.14	622.20	602.20	18.28	4.01	22.29	17.25	619.95	No	
EW-11	09/01/11	637.20	639.14	622.20	602.20	18.15	4.05	22.20	17.12	620.08	No	
EW-11	09/08/11	637.20	639.14	622.20	602.20	18.69	4.08	22.77	17.67	619.53	No	
EW-11	09/14/11	637.20	639.14	622.20	602.20	19.10	4.30	23.40	18.13	619.07	No	
EW-11	09/23/11	637.20	639.14	622.20	602.20	19.20	4.66	23.86	18.31	618.89	No	
EW-11	09/29/11	637.20	639.14	622.20	602.20	18.99	5.13	24.12	18.21	618.99	No	
EW-11	10/07/11	637.20	639.14	622.20	602.20	19.15	5.07	24.22	18.36	618.84	No	
EW-11	10/11/11	637.20	639.14	622.20	602.20	19.21	5.16	24.37	18.44	618.76	No	
EW-11	10/21/11	637.20	639.14	622.20	602.20	19.62	4.13	23.75	18.61	618.59	No	
EW-11	10/27/11	637.20	639.14	622.20	602.20	19.70	4.78	24.48	18.84	618.36	No	
EW-11	11/04/11	637.20	639.14	622.20	602.20	19.87	5.03	24.90	19.07	618.13	No	
EW-11	11/09/11	637.20	639.14	622.20	602.20	19.68	5.31	24.99	18.94	618.26	No	
EW-11	11/10/11	637.20	639.14	622.20	602.20	19.80	5.49	25.29	19.10	618.10	No	Before EFR
EW-11	11/10/11	637.20	639.14	622.20	602.20	21.71	0.11	21.82	19.79	617.41	No	After EFR
EW-11	11/13/11	637.20	639.14	622.20	602.20	19.99	2.76	22.75	18.67	618.53	No	EFR Check
EW-11	11/18/11	637.20	639.14	622.20	602.20	20.23	3.07	23.30	18.98	618.22	No	
EW-11	11/22/11	637.20	639.14	622.20	602.20	20.38	3.32	23.70	19.19	618.01	No	
EW-11	12/01/11	637.20	639.14	622.20	602.20	20.71	3.88	24.59	19.65	617.55	No	
EW-11	01/04/12	637.20	639.14	622.20	602.20	20.67	4.96	25.63	19.85	617.35	No	
EW-11	02/16/12	637.20	639.14	622.20	602.20	21.31	4.87	26.18	20.47	616.73	No	
EW-11	03/13/12	637.20	639.14	622.20	602.20	21.68	4.34	26.02	20.72	616.48	No	
EW-11	04/12/12	637.20	639.14	622.20	602.20	21.61	4.06	25.67	20.59	616.61	No	Spill Buddy Before Reading
EW-11	04/12/12	637.20	639.14	622.20	602.20	22.65	0.17	22.82	20.75	616.45	No	Spill Buddy After Reading
EW-11	04/16/12	637.20	639.14	622.20	602.20	22.03	2.56	24.59	20.67	616.53	No	
EW-11	03/13/12	637.20	639.14	622.20	602.20	21.68	4.34	26.02	20.72	616.48	No	
EW-11	04/12/12	637.20	639.14	622.20	602.20	21.61	4.06	25.67	20.59	616.61	No	Spill Buddy Before Reading
EW-11	04/12/12	637.20	639.14	622.20	602.20	22.65	0.17	22.82	20.75	616.45	No	Spill Buddy After Reading
EW-11	04/16/12	637.20	639.14	622.20	602.20	22.03	2.56	24.59	20.67	616.53	No	
EW-11	05/18/12	637.20	639.14	622.20	602.20	19.93	1.75	21.68	18.39	618.81	No	
EW-11	06/26/12	637.20	639.14	622.20	602.20	19.44	3.31	22.75	18.25	618.95	No	
EW-11	06/27/12	637.20	639.14	622.20	602.20	19.44	3.31	22.75	18.25	618.95	No	Installed Portable system 1
EW-11	11/21/12	637.20	639.14	622.20	602.20	21.42	2.40	23.82	20.02	617.18	No	
EW-11	12/17/12	637.20	639.14	622.20	602.20	21.56	3.29	24.85	20.36	616.84	No	
EW-11	03/25/13	637.20	639.14	622.20	602.20	22.38	3.40	25.78	21.21	615.99	No	
EW-11	05/05/13	637.20	639.14	622.20	602.20	22.07	3.37	25.44	20.89	616.31	No	
EW-11	05/16/13	637.20	639.14	622.20	602.20	21.98	3.60	25.58	20.85	616.35	No	Spill Buddy Before Reading
EW-11	05/16/13	637.20	639.14	622.20	602.20	22.92	0.05	22.97	20.99	616.21	No	Spill Buddy After Reading
EW-11	10/03/13	637.20	639.14	622.20	602.20	21.28	4.69	25.97	20.40	616.80	No	
EW-11	05/22/14	637.20	639.14	622.20	602.20	19.96	5.07	25.03	19.17	618.03	No	
EW-11	10/31/14	637.20	639.14	622.20	602.20	19.25	5.11	24.36	18.46	618.74	No	
EW-11	05/06/15	637.20	639.14	622.20	602.20	21.02	4.70	25.72	20.14	617.06	No	
EW-11	10/05/15	637.20	639.14	622.20	602.20	19.29	3.63	22.92	18.17	619.03	No	

Table 3
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Former Amoco Terminal
Superior, Wisconsin

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EW-11	05/23/16	637.20	639.14	622.20	602.20	16.07	7.92	23.99	15.92	621.28	No	
EW-11	10/03/16	637.20	639.14	622.20	602.20	17.65	5.78	23.43	17.02	620.18	No	
EW-11	06/14/17	637.20	639.14	622.20	602.20	16.42	7.04	23.46	16.07	621.13	No	
EW-11	06/21/17	637.20	639.14	622.20	602.20	16.93	6.39	23.32	16.43	620.77	No	
EW-11	06/22/17	637.20	639.14	622.20	602.20	17.66	1.78	19.44	16.12	621.08	No	
EW-11	06/23/17	637.20	639.14	622.20	602.20	17.78	1.90	19.68	16.27	620.93	No	
EW-11	10/26/17	637.20	639.14	622.20	602.20	14.43	8.41	22.84	14.39	622.81	Yes	
EW-11	07/25/19	637.20	639.14	622.20	602.20	18.34	4.61	22.95	17.44	619.76	No	
EW-11	05/26/20	637.20	639.14	622.20	602.20	15.54	9.99	25.53	15.86	621.34	No	
EW-11	04/29/21	637.20	639.14	622.20	602.20	18.70	4.40	23.10	17.75	619.45	No	
EW-11	05/06/21	637.20	639.14	622.20	602.20	18.73	4.32	23.05	17.77	619.43	No	Bailed 8 gallons
EW-11	05/13/21	637.20	639.14	622.20	602.20	18.96	3.55	22.51	17.82	619.38	No	Bailed 6 gallons
EW-11	05/19/21	637.20	639.14	622.20	602.20	18.91	3.97	22.88	17.87	619.33	No	Bailed 5.75 gallons
EW-11	05/28/21	637.20	639.14	622.20	602.20	18.84	3.35	22.19	17.66	619.54	No	Bailed 5.5 gallons
EW-11	06/08/21	637.20	639.14	622.20	602.20	18.60	4.87	23.47	17.76	619.44	No	Bailed 7 gallons
Tank 1	01/22/02	----	----	----	----	NP	0.00	4.84	----	----	----	
Tank 1	02/26/02	----	----	----	----	3.81	1.07	4.88	----	----	----	
Tank 1	03/20/02	----	----	----	----	4.29	0.59	4.88	----	----	----	
Tank 1	04/24/02	----	----	----	----	NP	0.00	5.15	----	----	----	Tank Empty
Tank 1	05/15/02	----	----	----	----	3.56	1.34	4.90	----	----	----	
Tank 1	06/27/02	----	----	----	----	3.06	1.82	4.88	----	----	----	
Tank 1	07/25/02	----	----	----	----	2.55	2.34	4.89	----	----	----	
Tank 1	08/20/02	----	----	----	----	2.41	2.48	4.89	----	----	----	
Tank 1	09/30/02	----	----	----	----	2.36	2.53	4.89	----	----	----	
Tank 1	11/05/02	----	----	----	----	2.38	2.49	4.87	----	----	----	
Tank 1	12/23/02	----	----	----	----	2.39	2.50	4.89	----	----	----	
Tank 1	01/28/03	----	----	----	----	2.39	2.52	4.91	----	----	----	
Tank 1	02/19/03	----	----	----	----	2.26	2.65	4.91	----	----	----	
Tank 1	04/17/03	----	----	----	----	1.64	3.27	4.91	----	----	----	
Tank 1	05/15/03	----	----	----	----	4.59	0.43	5.02	----	----	----	
Tank 1	06/10/03	----	----	----	----	4.25	0.78	5.03	----	----	----	
Tank 1	07/30/03	----	----	----	----	4.89	0.12	5.01	----	----	----	
Tank 1	08/12/03	----	----	----	----	4.68	0.33	5.01	----	----	----	
Tank 1	09/08/03	----	----	----	----	4.66	0.35	5.01	----	----	----	
Tank 1	10/02/03	----	----	----	----	4.35	0.70	5.05	----	----	----	
Tank 1	12/03/03	----	----	----	----	3.81	1.22	5.03	----	----	----	
Tank 2	01/22/02	----	----	----	----	4.87	0.08	4.95	----	----	----	
Tank 2	02/26/02	----	----	----	----	4.84	0.10	4.94	----	----	----	
Tank 2	03/20/02	----	----	----	----	4.68	0.26	4.94	----	----	----	
Tank 2	04/24/02	----	----	----	----	NP	0.00	5.05	----	----	----	

Table 3
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Former Amoco Terminal
Superior, Wisconsin

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Tank 2	05/15/02	----	----	----	----	4.65	0.31	4.96	----	----	----	
Tank 2	06/27/02	----	----	----	----	4.65	0.32	4.97	----	----	----	
Tank 2	07/25/02	----	----	----	----	4.64	0.34	4.98	----	----	----	
Tank 2	08/20/02	----	----	----	----	4.64	0.34	4.98	----	----	----	
Tank 2	09/30/02	----	----	----	----	4.65	0.33	4.98	----	----	----	
Tank 2	11/05/02	----	----	----	----	4.67	0.28	4.95	----	----	----	
Tank 2	12/23/02	----	----	----	----	4.69	0.29	4.98	----	----	----	
Tank 2	01/28/03	----	----	----	----	4.71	0.28	4.99	----	----	----	
Tank 2	02/19/03	----	----	----	----	NM	NM	NM	----	----	----	
Tank 2	04/17/03	----	----	----	----	NM	NM	NM	----	----	----	
Tank 2	05/15/03	----	----	----	----	NM	NM	NM	----	----	----	
Tank 2	06/10/03	----	----	----	----	NM	NM	NM	----	----	----	
Tank 2	10/23/03	----	----	----	----	NM	NM	NM	----	----	----	
Tank 2	10/02/03	----	----	----	----	4.57	0.48	5.05	----	----	----	
Tank 2	01/20/04	----	----	----	----	4.58	0.45	5.03	----	----	----	
Tank 2	07/28/04	----	----	----	----	4.32	0.71	5.03	----	----	----	
VE-1	07/20/11	634.30	636.30	620.30	605.30	NP	0.00	17.24	15.24	619.06	No	
VE-1	09/20/12		636.30			19.33	1.27	20.60	-616.68		No	
VE-1	10/22/12	NM										
VE-1	12/20/12		636.30			20.25	1.51	21.76	-615.71		No	
VE-2	07/20/11	634.20	636.20	621.20	606.20	NP	0.00	17.10	15.10	619.10	No	
VE-2	09/20/12		636.20			19.48	2.27	21.75	-616.21		No	
VE-2	10/22/12		636.20			14.60	1.00	15.60	-621.37		No	
VE-2	12/20/12		636.20			20.50	1.30	21.80	-615.41		No	
VE-3	07/20/11	635.00	637.10	623.00	608.00	NP	0.00	17.38	15.28	619.72	No	
VE-3	09/20/12		637.10			20.08	0.19	20.27	-616.98		No	
VE-3	10/22/12	NM										
VE-3	12/20/12		637.10			20.60	2.67	23.27	-615.90		No	
VE-4	07/20/11	634.00	636.10	622.00	607.00	NP	0.00	16.58	14.48	619.52	No	
VE-4	09/20/12		636.10			19.21	1.20	20.41	-616.62		No	
VE-4	10/22/12		636.10			19.86	0.83	20.69	-616.05		No	
VE-4	12/20/12		636.10			19.75	3.89	23.64	-615.47		No	
Dock Tank	06/29/00	----	----	----	----	6.67	0.25	6.92	----	----	----	
Dock Tank	01/22/02	----	----	----	----	6.38	0.51	6.89	----	----	----	
Dock Tank	04/24/02	----	----	----	----	6.35	0.50	6.85	----	----	----	

Table 3
Groundwater and LNAPL Gauging Data - Terminal
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elevation	TOC Elevation	TOS Elevation	BOS Elevation	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Screen Submerged Below Water Table?	Comments/Observations
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UST REMOVED OCTOBER 3, 2002

Notes:
NM = Not Measured
NP = No Product
BTOC = Below Top of Casing
AMSL = Above Mean Sea Level
* Corrections for free product made using: TOC elevation-[depth to ground water-(product thickness * product density)]
Average Product Density = 0.77 g/cm³ based on average of 4 NE terminal wells (Table 8) - MW-32, RW-2, RW-4 and RW-6

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWAST-2	10/22/2003	628.28	630.85	623.28	608.28	16.86	4.50	21.36	15.26	613.02	NA	5.71	No	
MWAST-2	12/3/2003	628.28	630.85	623.28	608.28	18.01	4.45	22.46	16.40	611.88	-1.14	4.56	No	
MWAST-2	1/8/2004	628.28	630.85	623.28	608.28	17.65	4.04	21.69	15.95	612.33	0.45	4.92	No	
MWAST-2	1/20/2004	628.28	630.85	623.28	608.28	17.71	3.96	21.67	15.99	612.29	-0.04	4.86	No	
MWAST-2	4/19/2004	628.28	630.85	623.28	608.28	16.51	4.88	21.39	14.99	613.29	1.00	6.06	No	
MWAST-2	7/27/2004	628.28	630.85	623.28	608.28	15.18	5.77	20.95	13.85	614.43	1.14	7.39	No	
MWAST-2	11/15/2004	628.28	630.85	623.28	608.28	13.82	6.52	20.34	12.65	615.63	1.20	8.75	No	
MWAST-2	4/18/2005	628.28	630.85	623.28	608.28	14.22	5.87	20.09	12.91	615.37	-0.26	8.35	No	
MWAST-2	9/9/2005	628.28	630.85	623.28	608.28	15.71	4.80	20.51	14.17	614.11	-1.26	6.86	No	
MWAST-2	10/11/2005	628.28	630.85	623.28	608.28	13.34	6.60	19.94	12.19	616.09	1.98	9.23	No	
MWAST-2	5/23/2006	628.28	630.85	623.28	608.28	12.43	7.21	19.64	11.41	616.87	0.78	10.14	No	
MWAST-2	10/16/2006	628.28	630.85	623.28	608.28	15.85	4.62	20.47	14.27	614.01	-2.86	6.72	No	
MWAST-2	4/23/2007	628.28	630.85	623.28	608.28	15.76	4.74	20.50	14.21	614.07	0.06	6.81	No	
MWAST-2	9/25/2007	628.28	630.72	623.28	608.28	15.74	4.78	20.52	14.33	613.95	-0.12	6.70	No	
MWAST-2	5/1/2008	628.28	630.72	623.28	608.28	12.09	7.53	19.62	11.27	617.01	3.06	10.35	No	
MWAST-2	10/20/2008	628.28	630.72	623.28	608.28	11.84	7.74	19.58	11.06	617.22	0.20	10.60	No	
MWAST-2	4/18/2009	628.28	630.72	623.28	608.28	13.18	6.51	19.69	12.14	616.14	-1.08	9.26	No	
MWAST-2	10/11/2009	628.28	630.72	623.28	608.28	15.21	4.96	20.17	13.84	614.44	-1.70	7.23	No	
MWAST-2	4/28/2010	628.28	630.72	623.28	608.28	14.91	5.07	19.98	13.56	614.72	0.28	7.53	No	
MWAST-2	10/25/2010	628.28	630.72	623.28	608.28	12.54	7.10	19.64	11.63	616.65	1.93	9.90	No	
MWAST-2	4/25/2011	628.28	630.72	623.28	608.28	13.29	6.15	19.44	12.17	616.11	-0.55	9.15	No	
MWAST-2	8/2/2011	628.28	630.72	623.28	608.28	11.6	7.89	19.49	10.86	617.42	1.32	10.84	No	
MWAST-2	9/14/2011	628.28	630.72	623.28	608.28	13.53	6.18	19.71	12.42	615.86	-1.56	8.91	No	
MWAST-2	9/23/2011	628.28	630.72	623.28	608.28	13.89	5.89	19.78	12.72	615.56	-0.30	8.55	No	
MWAST-2	9/29/2011	628.28	630.72	623.28	608.28	13.94	6.04	19.98	12.80	615.48	-0.08	8.50	No	
MWAST-2	10/7/2011	628.28	630.72	623.28	608.28	14.27	5.49	19.76	13.01	615.27	-0.21	8.17	No	
MWAST-2	10/11/2011	628.28	630.72	623.28	608.28	14.58	5.75	20.33	13.38	614.90	-0.37	7.86	No	
MWAST-2	10/21/2011	628.28	630.72	623.28	608.28	14.7	5.38	20.08	13.42	614.86	-0.04	7.74	No	
MWAST-2	10/27/2011	628.28	630.72	623.28	608.28	14.79	5.35	20.14	13.50	614.78	-0.08	7.65	No	
MWAST-2	11/3/2011	628.28	630.72	623.28	608.28	15.06	5.27	20.33	13.75	614.53	-0.25	7.38	No	
MWAST-2	11/9/2011	628.28	630.72	623.28	608.28	15.12	4.81	19.93	13.71	614.57	0.04	7.32	No	
MWAST-2	11/17/2011	628.28	630.72	623.28	608.28	15.47	4.69	20.16	14.04	614.24	-0.32	6.97	No	
MWAST-2	11/22/2011	628.28	630.72	623.28	608.28	15.51	4.62	20.13	14.06	614.22	-0.02	6.93	No	
MWAST-2	12/1/2011	628.28	630.72	623.28	608.28	15.75	4.72	20.47	14.32	613.96	-0.26	6.69	No	
MWAST-2	1/4/2012	628.28	630.72	623.28	608.28	16.32	4.16	20.48	14.77	613.51	-0.45	6.12	No	
MWAST-2	2/16/2012	628.28	630.72	623.28	608.28	17.24	3.28	20.52	15.50	612.78	-0.73	5.20	No	
MWAST-2	3/13/2012	628.28	630.72	623.28	608.28	17.28	3.16	20.44	15.52	612.76	-0.01	5.16	No	
MWAST-2	4/11/2012	628.28	630.72	623.28	608.28	16.49	3.61	20.10	14.83	613.45	0.69	5.95	No	Spill Buddy Before Reading
MWAST-2	4/16/2012	628.28	630.72	623.28	608.28	16.28	3.93	20.21	14.68	613.60	0.14	6.16	No	
MWAST-2	5/18/2012	628.28	630.72	623.28	608.28	14.85	5.03	19.88	13.49	614.79	1.19	7.59	No	
MWAST-2	6/28/2012	628.28	630.72	623.28	608.28	10.77	8.46	19.23	10.15	618.13	3.34	11.67	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWAST-2	7/10/2012	628.28	630.72	623.28	608.28	12.42	6.96	19.38	11.48	616.80	-1.33	10.02	No	Spill Buddy Before Reading
MWAST-2	7/24/2012	628.28	630.72	623.28	608.28	13.77	5.73	19.50	12.56	615.72	-1.09	8.67	No	
MWAST-2	8/17/2012	628.28	630.72	623.28	608.28	14.54	5.12	19.66	13.20	615.08	-0.64	7.90	No	
MWAST-2	8/28/2012	628.28	630.72	623.28	608.28	14.99	4.83	19.82	13.59	614.69	-0.39	7.45	No	Spill Buddy Before Reading
MWAST-2	9/17/2012	628.28	630.72	623.28	608.28	15.7	4.30	20.00	14.18	614.10	-0.60	6.74	No	
MWAST-2	9/28/2012	628.28	630.72	623.28	608.28	16.09	4.00	20.09	14.51	613.77	-0.33	6.35	No	Spill Buddy Before Reading
MWAST-2	9/30/2012	628.28	630.72	623.28	608.28	16.16	3.61	19.77	14.50	613.78	0.01	6.28	No	
MWAST-2	11/21/2012	628.28	630.72	623.28	608.28	16.56	3.70	20.26	14.91	613.37	-0.42	5.88	No	
MWAST-2	12/17/2012	628.28	630.72	623.28	608.28	16.84	3.49	20.33	15.15	613.13	-0.23	5.60	No	
MWAST-2	3/25/2013	628.28	630.72	623.28	608.28	18.1	2.73	20.83	16.25	612.03	-1.10	4.34	No	
MWAST-2	5/5/2013	628.28	630.72	623.28	608.28	15.34	4.89	20.23	13.95	614.33	2.30	7.10	No	
MWAST-2	10/3/2013	628.28	630.72	623.28	608.28	16.1	4.46	20.56	14.62	613.66	-0.67	6.34	No	
MWAST-2	5/22/2014	628.28	630.72	623.28	608.28	11	8.58	19.58	10.40	617.88	4.21	11.44	No	
MWAST-2	10/31/2014	628.28	630.72	623.28	608.28	13.8	6.09	19.89	12.67	615.61	-2.27	8.64	No	
MWAST-2	4/15/2015	628.28	630.72	623.28	608.28	16.3	4.13	20.43	14.75	613.53	-2.08	6.14	No	
MWAST-2	4/22/2015	628.28	630.72	623.28	608.28	15.65	4.55	20.20	14.19	614.09	0.56	6.79	No	
MWAST-2	4/29/2015	628.28	630.72	623.28	608.28	15.37	4.59	19.96	13.92	614.36	0.27	7.07	No	
MWAST-2	5/6/2015	628.28	630.72	623.28	608.28	15.35	4.49	19.84	13.87	614.41	0.04	7.09	No	
MWAST-2	5/12/2015	628.28	630.72	623.28	608.28	14.75	4.98	19.73	13.38	614.90	0.49	7.69	No	
MWAST-2	6/9/2015	628.28	630.72	623.28	608.28	13.22	6.31	19.53	12.14	616.14	1.24	9.22	No	
MWAST-2	10/5/2015	628.28	630.72	623.28	608.28	13.06	6.54	19.60	12.03	616.25	0.11	9.38	No	
MWAST-2	5/23/2016	628.28	630.72	623.28	608.28	10.69	8.85	19.54	10.15	618.13	1.87	11.75	No	
MWAST-2	10/3/2016	628.28	630.72	623.28	608.28	12.97	6.49	19.46	11.92	616.36	-1.77	9.47	No	
MWAST-2	5/22/2017	628.28	630.72	623.28	608.28	9.93	7.50	17.43	9.10	619.18	2.82	12.51	No	
MWAST-2	5/31/2017	628.28	630.72	623.28	608.28	9.31	10.00	19.31	9.02	619.26	0.08	13.13	No	
MWAST-2	6/29/2017	628.28	630.72	623.28	608.28	11.81	7.63	19.44	11.01	617.27	-1.99	10.63	No	
MWAST-2	8/8/2017	628.28	630.72	623.28	608.28	11.66	7.58	19.24	10.85	617.43	0.16	10.78	No	
MWAST-2	8/15/2017	628.28	630.72	623.28	608.28	11.31	5.80	17.11	10.12	618.16	0.73	11.13	No	
MWAST-2	8/22/2017	628.28	630.72	623.28	608.28	11.56	3.39	14.95	9.85	618.43	0.27	10.88	No	
MWAST-2	10/26/2017	628.28	630.72	623.28	608.28	10.16	6.53	16.69	9.12	619.16	1.73	12.28	No	
MWAST-2	5/28/2019	628.28	630.72	623.28	608.28	10.00	9.04	19.04	9.50	618.78	0.61	12.44	No	
MWAST-2	7/25/2019	628.28	630.72	623.28	608.28	13.01	5.99	19.00	11.86	616.42	-2.01	9.43	No	
MWAST-2	10/8/2019	628.28	630.72	623.28	608.28	11.79	5.69	17.48	10.57	617.71	-1.45	10.65	No	
MWAST-2	5/26/2020	628.28	630.72	623.28	608.28	11.32	7.57	18.89	10.51	617.77	-1.00	11.12	No	
MWAST-2	5/24/2021	628.28	630.72	623.28	608.28	12.68	6.46	19.14	11.63	616.65	0.23	9.76	No	
MWAST-3	10/22/2003	627.34	629.86	622.34	606.21	NP	0.00	16.59	14.07	613.27	NA	7.06	No	
MWAST-3	1/20/2004	627.34	629.86	622.34	606.21	NP	0.00	17.37	14.85	612.49	-0.78	6.28	No	
MWAST-3	4/19/2004	627.34	629.86	622.34	606.21	NP	0.00	16.48	13.96	613.38	0.89	7.17	No	
MWAST-3	7/27/2004	627.34	629.86	622.34	606.21	NP	0.00	15.32	12.80	614.54	1.16	8.33	No	
MWAST-3	11/16/2004	627.34	629.86	622.34	606.21	NP	0.00	14.18	11.66	615.68	1.14	9.47	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWAST-3	4/18/2005	627.34	629.86	622.34	606.21	NP	0.00	14.10	11.58	615.76	0.08	9.55	No	
MWAST-3	9/9/2005	627.34	629.86	622.34	606.21	NP	0.00	15.51	12.99	614.35	-1.41	8.14	No	
MWAST-3	10/11/2005	627.34	629.86	622.34	606.21	NP	0.00	13.75	11.23	616.11	1.76	9.90	No	
MWAST-3	5/23/2006	627.34	629.86	622.34	606.21	NP	0.00	12.80	10.28	617.06	0.95	10.85	No	
MWAST-3	10/16/2006	627.34	629.86	622.34	606.21	NP	0.00	15.79	13.27	614.07	-2.99	7.86	No	
MWAST-3	4/23/2007	627.34	629.86	622.34	606.21	NP	0.00	15.80	13.28	614.06	-0.01	7.85	No	
MWAST-3	9/25/2007	627.34	629.69	622.34	606.21	NP	0.00	15.82	13.47	613.87	-0.19	7.66	No	
MWAST-3	5/1/2008	627.34	629.69	622.34	606.21	NP	0.00	12.38	10.03	617.31	3.44	11.10	No	
MWAST-3	10/20/2008	627.34	629.69	622.34	606.21	NP	0.00	12.36	10.01	617.33	0.02	11.12	No	
MWAST-3	8/31/2011	627.34	629.69	622.34	606.21	NP	0.00	12.49	10.14	617.20	-0.13	10.99	No	
MWAST-3	10/11/2011	627.34	629.69	622.34	606.21	NP	0.00	14.33	11.98	615.36	-1.84	9.15	No	
MWAST-3	1/4/2012	627.34	629.69	622.34	606.21	NP	0.00	15.77	13.42	613.92	-1.44	7.71	No	
MWAST-3	4/16/2012	627.34	629.69	622.34	606.21	NP	0.00	15.88	13.53	613.81	-0.11	7.60	No	
MWAST-3	6/28/2012	627.34	629.69	622.34	606.21	NP	0.00	11.21	8.86	618.48	4.67	12.27	No	
MWAST-3	9/30/2012	627.34	629.69	622.34	606.21	NP	0.00	15.44	13.09	614.25	-4.23	8.04	No	
MWAST-3	12/17/2012	627.34	629.69	622.34	606.21	NP	0.00	16.29	13.94	613.40	-0.85	7.19	No	
MWAST-3	3/25/2013	627.34	629.69	622.34	606.21	NP	0.00	17.30	14.95	612.39	-1.01	6.18	No	
MWAST-3	5/5/2013	627.34	629.69	622.34	606.21	NP	0.00	15.36	13.01	614.33	1.94	8.12	No	
MWAST-3	10/3/2013	627.34	629.69	622.34	606.21	NP	0.00	15.78	13.43	613.91	-0.42	7.70	No	
MWAST-3	5/21/2014	627.34	629.69	622.34	606.21	NP	0.00	11.52	9.17	618.17	4.26	11.96	No	
MWAST-3	10/31/2014	627.34	629.69	622.34	606.21	NP	0.00	13.70	11.35	615.99	-2.18	9.78	No	
MWAST-3	5/6/2015	627.34	629.69	622.34	606.21	NP	0.00	15.10	12.75	614.59	-1.40	8.38	No	
MWAST-3	10/5/2015	627.34	629.69	622.34	606.21	NP	0.00	13.39	11.04	616.30	1.71	10.09	No	
MWAST-3	5/23/2016	627.34	629.69	622.34	606.21	NP	0.00	11.10	8.75	618.59	2.29	12.38	No	
MWAST-3	10/3/2016	627.34	629.69	622.34	606.21	NP	0.00	13.18	10.83	616.51	-2.08	10.30	No	
MWAST-3	6/29/2017	627.34	629.69	622.34	606.21	NP	0.00	12.06	9.71	617.63	1.12	11.42	No	
MWAST-3	5/14/2018	627.34	629.69	622.34	606.21	NP	0.00	13.72	11.37	615.97	-1.66	9.76	No	
MWAST-3	5/30/2018	627.34	629.69	622.34	606.21	NP	0.00	13.52	11.17	616.17	0.20	9.96	No	
MWAST-3	5/18/2018	627.34	629.69	622.34	606.21	NP	0.00	11.85	9.50	617.84	1.67	11.63	No	
MWAST-3	6/19/2018	627.34	629.69	622.34	606.21	NP	0.00	11.85	9.50	617.84	0.00	11.63	No	
MWAST-3	6/3/2019	627.34	629.69	622.34	606.21	NP	0.00	11.38	9.03	618.31	0.47	12.10	No	
MWAST-3	5/26/2020	627.34	629.69	622.34	606.21	NP	0.00	11.53	9.18	618.16	-0.15	11.95	No	
MWAST-3	5/24/2021	627.34	629.69	622.34	606.21	NP	0.00	12.93	10.58	616.76	-1.40	10.55	No	
MWAST-4	10/23/2003	628.17	630.76	618.17	608.17	15.34	7.20	22.54	14.64	613.53	NA	7.25	No	
MWAST-4	12/3/2003	628.17	630.76	618.17	608.17	15.55	6.99	22.54	14.79	613.38	-0.16	7.04	No	
MWAST-4	1/20/2004	628.17	630.76	618.17	608.17	15.91	6.70	22.61	15.07	613.10	-0.28	6.68	No	
MWAST-4	4/19/2004	628.17	630.76	618.17	608.17	15.86	4.87	20.73	14.55	613.62	0.53	6.73	No	
MWAST-4	7/27/2004	628.17	630.76	618.17	608.17	14.87	3.77	18.64	13.27	614.90	1.28	7.72	No	
MWAST-4	11/15/2004	628.17	630.76	618.17	608.17	13.97	2.41	16.38	12.01	616.16	1.26	8.62	No	
MWAST-4	4/18/2005	628.17	630.76	618.17	608.17	14.08	2.50	16.58	12.14	616.03	-0.13	8.51	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWAST-4	9/9/2005	628.17	630.76	618.17	608.17	14.33	5.84	20.17	13.27	614.90	-1.12	8.26	No	
MWAST-4	10/11/2005	628.17	630.76	618.17	608.17	13.99	1.61	15.60	11.82	616.35	1.45	8.60	No	
MWAST-4	5/23/2006	628.17	630.76	618.17	608.17	12.64	2.17	14.81	10.62	617.55	1.20	9.95	No	
MWAST-4	10/16/2006	628.17	630.76	618.17	608.17	14.64	6.27	20.91	13.69	614.48	-3.07	7.95	No	
MWAST-4	4/23/2007	628.17	630.76	618.17	608.17	15.10	4.81	19.91	13.77	614.40	-0.08	7.49	No	
MWAST-4	9/25/2007	628.17	630.76	618.17	608.17	15.25	5.59	20.84	14.12	614.05	-0.35	7.34	No	
MWAST-4	5/1/2008	628.17	630.76	618.17	608.17	13.42	1.00	14.42	11.09	617.08	3.03	9.17	No	
MWAST-4	10/20/2008	628.17	630.76	618.17	608.17	12.57	1.78	14.35	10.45	617.72	0.65	10.02	No	
MWAST-4	8/31/2011	628.17	630.76	618.17	608.17	12.21	3.01	15.22	10.41	617.76	0.04	10.38	No	
MWAST-4	10/10/2011	628.17	630.76	618.17	608.17	13.65	5.23	18.88	12.43	615.74	-2.02	8.94	No	
MWAST-4	1/4/2012	628.17	630.76	618.17	608.17	14.59	7.05	21.64	13.85	614.32	-1.42	8.00	No	
MWAST-4	4/11/2012	628.17	630.76	618.17	608.17	15.23	6.13	21.36	14.25	613.92	-0.40	7.36	No	Spill Buddy Before Reading
MWAST-4	4/16/2012	628.17	630.76	618.17	608.17	15.24	5.43	20.67	14.07	614.10	0.17	7.35	No	
MWAST-4	6/28/2012	628.17	630.76	618.17	608.17	11.63	1.73	13.36	9.49	618.68	4.58	10.96	Yes	
MWAST-4	7/3/2012	628.17	630.76	618.17	608.17	12.11	1.47	13.58	9.90	618.27	-0.41	10.48	Yes	Spill Buddy Before Reading
MWAST-4	8/28/2012	628.17	630.76	618.17	608.17	14.07	3.86	17.93	12.49	615.68	-2.59	8.52	No	Spill Buddy Before Reading
MWAST-4	9/28/2012	628.17	630.76	618.17	608.17	14.47	6.03	20.50	13.46	614.71	-0.97	8.12	No	Spill Buddy Before Reading
MWAST-4	9/30/2012	628.17	630.76	618.17	608.17	14.50	5.54	20.04	13.36	614.81	0.10	8.09	No	
MWAST-4	11/21/2012	628.17	630.76	618.17	608.17	14.45	7.25	21.70	13.76	614.41	-0.40	8.14	No	
MWAST-4	12/17/2012	628.17	630.76	618.17	608.17	15.14	6.88	22.02	14.35	613.82	-0.59	7.45	No	
MWAST-4	3/25/2013	628.17	630.76	618.17	608.17	15.89	6.70	22.59	15.05	613.12	-0.70	6.70	No	
MWAST-4	4/29/2013	628.17	630.76	618.17	608.17	15.58	3.19	18.77	13.83	614.34	1.23	7.01	No	Spill Buddy Before Reading
MWAST-4	5/5/2013	628.17	630.76	618.17	608.17	15.52	2.41	17.93	13.56	614.61	0.26	7.07	No	
MWAST-4	10/3/2013	628.17	630.76	618.17	608.17	14.93	5.88	20.81	13.88	614.29	-0.32	7.66	No	
MWAST-4	5/22/2014	628.17	630.76	618.17	608.17	12.06	0.66	12.72	9.64	618.53	4.24	10.53	Yes	
MWAST-4	10/31/2014	628.17	630.76	618.17	608.17	13.46	2.87	16.33	11.62	616.55	-1.98	9.13	No	
MWAST-4	4/15/2015	628.17	630.76	618.17	608.17	15.00	6.33	21.33	14.07	614.10	-2.45	7.59	No	
MWAST-4	4/22/2015	628.17	630.76	618.17	608.17	14.78	5.07	19.85	13.52	614.65	0.55	7.81	No	
MWAST-4	4/29/2015	628.17	630.76	618.17	608.17	14.73	4.11	18.84	13.22	614.95	0.30	7.86	No	
MWAST-4	5/6/2015	628.17	630.76	618.17	608.17	14.66	3.98	18.64	13.11	615.06	0.10	7.93	No	
MWAST-4	5/12/2015	628.17	630.76	618.17	608.17	14.58	2.80	17.38	12.72	615.45	0.39	8.01	No	
MWAST-4	6/9/2015	628.17	630.76	618.17	608.17	13.45	1.66	15.11	11.29	616.88	1.43	9.14	No	
MWAST-4	7/10/2015	628.17	630.76	618.17	608.17	15.17	0.29	15.46	12.66	615.51	-1.36	7.42	No	
MWAST-4	7/13/2015	628.17	630.76	618.17	608.17	15.10	0.40	15.50	12.61	615.56	0.04	7.49	No	
MWAST-4	9/10/2015	628.17	630.76	618.17	608.17	15.51	0.19	15.70	12.97	615.20	-0.36	7.08	No	
MWAST-4	10/5/2015	628.17	630.76	618.17	608.17	14.50	0.10	14.60	11.94	616.23	0.68	8.09	No	
MWAST-4	11/3/2015	628.17	630.76	618.17	608.17	14.76	0.28	15.04	12.24	615.93	-0.31	7.83	No	
MWAST-4	4/21/2016	628.17	630.76	618.17	608.17	11.34	2.78	14.12	9.48	618.69	2.77	11.25	Yes	
MWAST-4	6/21/2016	628.17	630.76	618.17	608.17	11.39	0.18	11.57	8.85	619.32	0.63	11.20	Yes	
MWAST-4	5/2/2017	628.17	630.76	618.17	608.17	12.52	1.17	13.69	10.24	617.93	-1.39	10.07	No	
MWAST-4	5/8/2017	628.17	630.76	618.17	608.17	12.67	0.01	12.68	10.08	618.09	0.15	9.92	No	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWAST-4	5/25/2017	628.17	630.76	618.17	608.17	NP	0.00	10.82	8.23	619.94	1.85	11.77	Yes	
MWAST-4	5/31/2017	628.17	630.76	618.17	608.17	NP	0.00	11.85	9.26	618.91	-1.03	10.74	Yes	
MWAST-4	6/14/2017	628.17	630.76	618.17	608.17	NP	0.00	12.26	9.67	618.50	-0.41	10.33	Yes	
MWAST-4	6/21/2017	628.17	630.76	618.17	608.17	12.58	0.17	12.75	10.03	618.14	-0.36	10.01	No	
MWAST-4	7/7/2017	628.17	630.76	618.17	608.17	12.73	0.03	12.76	10.15	618.02	-0.11	9.86	No	
MWAST-4	7/19/2017	628.17	630.76	618.17	608.17	12.44	0.06	12.50	9.87	618.30	0.28	10.15	Yes	
MWAST-4	8/8/2017	628.17	630.76	618.17	608.17	12.98	0.24	13.22	10.45	617.72	-0.59	9.61	No	
MWAST-4	8/15/2017	628.17	630.76	618.17	608.17	12.39	0.09	12.48	9.82	618.35	0.63	10.20	Yes	
MWAST-4	8/22/2017	628.17	630.76	618.17	608.17	11.98	0.17	12.15	9.43	618.74	0.39	10.61	Yes	
MWAST-4	9/7/2017	628.17	630.76	618.17	608.17	NP	0.00	11.00	8.41	619.76	1.02	11.59	Yes	
MWAST-4	9/14/2017	628.17	630.76	618.17	608.17	11.59	0.05	11.64	9.01	619.16	-0.60	11.00	Yes	
MWAST-4	9/27/2017	628.17	630.76	618.17	608.17	11.80	0.28	12.08	9.28	618.89	-0.27	10.79	Yes	
MWAST-4	10/26/2017	628.17	630.76	618.17	608.17	10.76	0.39	11.15	8.27	619.90	1.01	11.83	Yes	
MWAST-4	5/14/2018	628.17	630.76	618.17	608.17	14.38	1.62	16.00	12.21	615.96	-3.94	8.21	No	
MWAST-4	5/15/2018	628.17	630.76	618.17	608.17	14.96	0.19	15.15	12.42	615.75	-0.21	7.63	No	
MWAST-4	5/23/2018	628.17	630.76	618.17	608.17	14.60	0.60	15.20	12.17	616.00	0.25	7.99	No	
MWAST-4	5/24/2018	628.17	630.76	618.17	608.17	14.55	1.70	16.25	12.41	615.76	-0.24	8.04	No	
MWAST-4	5/30/2018	628.17	630.76	618.17	608.17	14.32	0.36	14.68	11.82	616.35	0.58	8.27	No	
MWAST-4	6/8/2018	628.17	630.76	618.17	608.17	13.89	0.97	14.86	11.55	616.62	0.27	8.70	No	
MWAST-4	6/28/2018	628.17	630.76	618.17	608.17	12.45	1.15	13.60	10.16	618.01	1.39	10.14	No	
MWAST-4	7/3/2018	628.17	630.76	618.17	608.17	12.47	1.17	13.64	10.19	617.98	-0.03	10.12	No	
MWAST-4	7/10/2018	628.17	630.76	618.17	608.17	12.55	1.25	13.80	10.29	617.88	-0.10	10.04	No	
MWAST-4	7/25/2018	628.17	630.76	618.17	608.17	13.23	1.42	14.65	11.01	617.16	-0.72	9.36	No	
MWAST-4	8/8/2018	628.17	630.76	618.17	608.17	13.75	1.70	15.45	11.61	616.56	-0.59	8.84	No	
MWAST-4	8/16/2018	628.17	630.76	618.17	608.17	13.97	2.14	16.11	11.94	616.23	-0.34	8.62	No	
MWAST-4	9/4/2018	628.17	630.76	618.17	608.17	14.30	2.08	16.38	12.25	615.92	-0.31	8.29	No	Pump installed in well
MWAST-4	9/17/2018	628.17	630.76	618.17	608.17	14.80	0.50	15.30	12.34	615.83	-0.09	7.79	No	
MWAST-4	10/22/2018	628.17	630.76	618.17	608.17	13.60	0.91	14.51	11.25	616.92	1.09	8.99	No	
MWAST-4	10/29/2018	628.17	630.76	618.17	608.17	13.60	0.77	14.37	11.21	616.96	0.04	8.99	No	
MWAST-4	5/2/2019	628.17	630.76	618.17	608.17	13.53	1.13	14.66	11.24	616.93	-0.02	9.06	No	
MWAST-4	5/7/2019	628.17	630.76	618.17	608.17	13.28	1.28	14.56	11.03	617.14	0.21	9.31	No	
MWAST-4	5/14/2019	628.17	630.76	618.17	608.17	11.67	2.33	14.00	9.69	618.48	1.34	10.92	Yes	Pump Removed from well, on Gauge and Bail Schedule
MWAST-4	5/22/2019	628.17	630.76	618.17	608.17	10.40	3.49	13.89	8.72	619.45	0.97	12.19	Yes	
MWAST-4	5/28/2019	628.17	630.76	618.17	608.17	10.22	3.36	13.58	8.51	619.66	0.21	12.37	Yes	
MWAST-4	6/13/2019	628.17	630.76	618.17	608.17	10.84	2.23	13.07	8.83	619.34	-0.32	11.75	Yes	
MWAST-4	6/24/2019	628.17	630.76	618.17	608.17	11.71	1.76	13.47	9.58	618.59	-0.75	10.88	Yes	
MWAST-4	7/3/2019	628.17	630.76	618.17	608.17	11.45	1.95	13.40	9.37	618.80	0.21	11.14	Yes	
MWAST-4	7/25/2019	628.17	630.76	618.17	608.17	12.81	1.67	14.48	10.66	617.51	-1.29	9.78	No	
MWAST-4	8/5/2019	628.17	630.76	618.17	608.17	13.29	1.58	14.87	11.11	617.06	-0.46	9.30	No	
MWAST-4	8/14/2019	628.17	630.76	618.17	608.17	13.50	1.99	15.49	11.43	616.74	-0.32	9.09	No	
MWAST-4	8/28/2019	628.17	630.76	618.17	608.17	13.87	2.15	16.02	11.84	616.33	-0.73	8.72	No	

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MWAST-4	9/12/2019	628.17	630.76	618.17	608.17	13.91	2.09	16.00	11.87	616.30	-0.02	8.68	No	
MWAST-4	9/25/2019	628.17	630.76	618.17	608.17	13.38	1.49	14.87	11.18	616.99	0.69	9.21	No	
MWAST-4	10/8/2019	628.17	630.76	618.17	608.17	12.64	1.09	13.73	10.34	617.83	0.84	9.95	No	
MWAST-4	10/29/2019	628.17	630.76	618.17	608.17	11.72	1.37	13.09	9.49	618.68	0.85	10.87	Yes	
MWAST-4	4/22/2020	628.17	630.76	618.17	608.17	10.09	2.97	13.06	8.28	619.89	1.21	12.50	Yes	
MWAST-4	4/30/2020	628.17	630.76	618.17	608.17	10.79	0.14	10.93	8.24	619.93	0.04	11.80	Yes	
MWAST-4	5/11/2020	628.17	630.76	618.17	608.17	10.98	0.06	11.04	8.41	619.76	-0.17	11.61	Yes	
MWAST-4	5/26/2020	628.17	630.76	618.17	608.17	11.33	2.02	13.35	9.27	618.90	-0.86	11.26	Yes	
MWAST-4	6/11/2020	628.17	630.76	618.17	608.17	11.86	1.70	13.56	9.72	618.45	-0.45	10.73	Yes	
MWAST-4	6/22/2020	628.17	630.76	618.17	608.17	12.35	1.78	14.13	10.23	617.94	-0.51	10.24	No	
MWAST-4	7/6/2020	628.17	630.76	618.17	608.17	12.94	1.93	14.87	10.86	617.31	-0.63	9.65	No	
MWAST-4	7/20/2020	628.17	630.76	618.17	608.17	12.98	1.73	14.71	10.84	617.33	0.01	9.61	No	
MWAST-4	8/12/2020	628.17	630.76	618.17	608.17	12.52	2.16	14.68	10.50	617.67	0.35	10.07	No	
MWAST-4	8/25/2020	628.17	630.76	618.17	608.17	13.10	1.84	14.94	10.99	617.18	-0.50	9.49	No	
MWAST-4	9/8/2020	628.17	630.76	618.17	608.17	13.27	1.95	15.22	11.19	616.98	-0.20	9.32	No	
MWAST-4	4/28/2021	628.17	630.76	618.17	608.17	13.12	1.31	14.43	10.87	617.30	0.32	9.47	No	
MWAST-4	5/6/2021	628.17	630.76	618.17	608.17	13.06	1.46	14.52	10.85	617.32	0.02	9.53	No	3 gallons bailed
MWAST-4	5/13/2021	628.17	630.76	618.17	608.17	13.24	1.48	14.72	11.04	617.13	-0.19	9.35	No	1.5 gallons bailed
MWAST-4	5/19/2021	628.17	630.76	618.17	608.17	13.44	1.56	15.00	11.26	616.91	-0.22	9.15	No	
MWAST-4	5/24/2021	628.17	630.76	618.17	608.17	13.14	1.59	14.73	10.97	617.20	0.29	9.45	No	
MWAST-4	5/28/2021	628.17	630.76	618.17	608.17	13.13	0.99	14.12	10.80	617.37	0.17	9.46	No	2.5 gallons bailed
MWAST-4	6/8/2021	628.17	630.76	618.17	608.17	13.30	1.42	14.72	11.08	617.09	-0.28	9.29	No	2 gallons bailed
MWAST-4	6/22/2021	628.17	630.76	618.17	608.17	13.74	1.95	15.69	11.66	616.51	-0.58	8.85	No	3 gallons bailed
MWAST-4	7/1/2021	628.17	630.76	618.17	608.17	13.69	1.78	15.47	11.57	616.60	0.09	8.90	No	3 gallons bailed
MWAST-4	7/12/2021	628.17	630.76	618.17	608.17	13.80	2.17	15.97	11.78	616.39	-0.21	8.79	No	4 gallons bailed
MWAST-4	7/27/2021	628.17	630.76	618.17	608.17	14.13	2.80	16.93	12.27	615.90	-0.49	8.46	No	4 gallons bailed
MWAST-4	8/3/2021	628.17	630.76	618.17	608.17	14.19	2.85	17.04	12.35	615.82	-0.07	8.40	No	4 gallons bailed
MWAST-4	8/24/2021	628.17	630.76	618.17	608.17	14.42	3.84	18.26	12.84	615.33	-0.49	8.17	No	5 gallons bailed
MWAST-4	9/14/2021	628.17	630.76	618.17	608.17	14.55	4.09	18.64	13.03	615.14	-0.20	8.04	No	6 gallons bailed
MWAST-4	9/28/2021	628.17	630.76	618.17	608.17	14.56	3.58	18.14	12.91	615.26	0.12	8.03	No	5 gallons bailed
MWAST-4	10/19/2021	628.17	630.76	618.17	608.17	14.60	3.31	17.91	12.88	615.29	0.03	7.99	No	4.25 gallons bailed
MWAST-6	10/23/2003	629.13	632.04	619.13	609.13	17.59	5.53	23.12	15.95	613.18	NA	5.32	No	
MWAST-6	12/3/2003	629.13	632.04	619.13	609.13	17.83	5.17	23.00	16.11	613.02	-0.16	5.08	No	
MWAST-6	1/20/2004	629.13	632.04	619.13	609.13	18.51	4.67	23.18	16.67	612.46	-0.57	4.40	No	
MWAST-6	4/19/2004	629.13	632.04	619.13	609.13	17.85	3.68	21.53	15.79	613.34	0.89	5.06	No	
MWAST-6	7/27/2004	629.13	632.04	619.13	609.13	16.39	4.67	21.06	14.55	614.58	1.23	6.52	No	
MWAST-6	11/15/2004	629.13	632.04	619.13	609.13	15.68	2.10	17.78	13.25	615.88	1.30	7.23	No	
MWAST-6	4/18/2005	629.13	632.04	619.13	609.13	15.07	2.90	17.97	12.83	616.30	0.43	7.84	No	
MWAST-6	9/9/2005	629.13	632.04	619.13	609.13	16.23	4.46	20.69	14.35	614.78	-1.52	6.68	No	
MWAST-6	10/11/2005	629.13	632.04	619.13	609.13	15.58	0.84	16.42	12.86	616.27	1.48	7.33	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWAST-6	5/23/2006	629.13	632.04	619.13	609.13	14.56	1.06	15.62	11.89	617.24	0.97	8.35	No	
MWAST-6	10/16/2006	629.13	632.04	619.13	609.13	16.66	4.57	21.23	14.80	614.33	-2.91	6.25	No	
MWAST-6	4/23/2007	629.13	632.04	619.13	609.13	16.94	4.14	21.08	14.98	614.15	-0.18	5.97	No	
MWAST-6	9/25/2007	629.13	632.04	619.13	609.13	17.05	2.97	20.02	14.82	614.31	0.16	5.86	No	
MWAST-6	5/1/2008	629.13	632.04	619.13	609.13	14.71	1.41	16.12	12.12	617.01	2.70	8.20	No	
MWAST-6	10/20/2008	629.13	632.04	619.13	609.13	13.95	0.92	14.87	11.25	617.88	0.87	8.96	No	
MWAST-6	4/18/2009	629.13	632.04	619.13	609.13	15.42	0.58	16.00	12.64	616.49	-1.39	7.49	No	
MWAST-6	10/11/2009	629.13	632.04	619.13	609.13	16.33	2.59	18.92	14.02	615.11	-1.37	6.58	No	
MWAST-6	4/28/2010	629.13	632.04	619.13	609.13	16.28	2.28	18.56	13.89	615.24	0.12	6.63	No	
MWAST-6	10/25/2010	629.13	632.04	619.13	609.13	14.07	1.31	15.38	11.46	617.67	2.43	8.84	No	
MWAST-6	4/25/2011	629.13	632.04	619.13	609.13	15.31	0.71	16.02	12.56	616.57	-1.10	7.60	No	
MWAST-6	8/2/2011	629.13	632.04	619.13	609.13	13.27	1.03	14.30	10.60	618.53	1.97	9.64	No	
MWAST-6	10/11/2011	629.13	632.04	619.13	609.13	15.93	0.90	16.83	13.23	615.90	-2.63	6.98	No	
MWAST-6	1/4/2012	629.13	632.04	619.13	609.13	17.08	3.29	20.37	14.93	614.20	-1.70	5.83	No	
MWAST-6	4/11/2012	629.13	632.04	619.13	609.13	17.20	4.52	21.72	15.33	613.80	-0.40	5.71	No	Spill Buddy Before Reading
MWAST-6	4/16/2012	629.13	632.04	619.13	609.13	17.38	1.68	19.06	14.86	614.27	0.47	5.53	No	
MWAST-6	6/28/2012	629.13	632.04	619.13	609.13	13.55	1.07	14.62	10.89	618.24	3.97	9.36	No	
MWAST-6	9/30/2012	629.13	632.04	619.13	609.13	16.91	3.33	20.24	14.77	614.36	-3.88	6.00	No	
MWAST-6	11/21/2012	629.13	632.04	619.13	609.13	17.40	4.02	21.42	15.41	613.72	-0.65	5.51	No	
MWAST-6	12/17/2012	629.13	632.04	619.13	609.13	17.66	4.04	21.70	15.68	613.45	-0.26	5.25	No	
MWAST-6	3/25/2013	629.13	632.04	619.13	609.13	18.82	3.08	21.90	16.62	612.51	-0.94	4.09	No	
MWAST-6	5/5/2013	629.13	632.04	619.13	609.13	17.36	1.74	19.10	14.85	614.28	1.77	5.55	No	
MWAST-6	10/3/2013	629.13	632.04	619.13	609.13	17.09	3.61	20.70	15.01	614.12	-0.16	5.82	No	
MWAST-6	5/22/2014	629.13	632.04	619.13	609.13	14.02	0.52	14.54	11.23	617.90	3.78	8.89	No	
MWAST-6	10/31/2014	629.13	632.04	619.13	609.13	15.28	1.73	17.01	12.77	616.36	-1.54	7.63	No	
MWAST-6	4/15/2015	629.13	632.04	619.13	609.13	17.35	3.55	20.90	15.26	613.87	-2.49	5.56	No	
MWAST-6	4/22/2015	629.13	632.04	619.13	609.13	17.31	1.67	18.98	14.78	614.35	0.47	5.60	No	
MWAST-6	4/29/2015	629.13	632.04	619.13	609.13	17.19	1.16	18.35	14.55	614.58	0.24	5.72	No	
MWAST-6	5/6/2015	629.13	632.04	619.13	609.13	17.06	1.10	18.16	14.40	614.73	0.14	5.85	No	
MWAST-6	5/12/2015	629.13	632.04	619.13	609.13	16.83	1.07	17.90	14.17	614.96	0.24	6.08	No	
MWAST-6	6/9/2015	629.13	632.04	619.13	609.13	15.52	0.01	15.53	12.61	616.52	1.55	7.39	No	
MWAST-6	10/5/2015	629.13	632.04	619.13	609.13	15.17	0.28	15.45	12.32	616.81	0.29	7.74	No	
MWAST-6	5/23/2016	629.13	632.04	619.13	609.13	12.80	0.93	13.73	10.10	619.03	2.22	10.11	No	
MWAST-6	10/3/2016	629.13	632.04	619.13	609.13	14.66	1.34	16.00	12.06	617.07	-1.95	8.25	No	
MWAST-6	5/22/2017	629.13	632.04	619.13	609.13	12.90	0.60	13.50	10.13	619.00	1.93	10.01	No	
MWAST-6	5/31/2017	629.13	632.04	619.13	609.13	11.84	1.53	13.37	9.28	619.85	0.85	11.07	Yes	
MWAST-6	5/28/2019	629.13	632.04	619.13	609.13	12.79	0.73	13.52	10.05	619.08	-0.77	10.12	No	
MWAST-6	10/8/2019	629.13	632.04	619.13	609.13	13.95	0.46	14.41	11.15	617.98	-1.10	8.96	No	
MWAST-6	3/31/2020	629.13	632.04	619.13	609.13	12.49	0.99	13.48	9.81	619.32	1.34	10.42	Yes	
MWAST-6	4/1/2020	629.13	632.04	619.13	609.13	12.46	0.13	12.59	9.58	619.55	0.23	10.45	Yes	
MWAST-6	4/22/2020	629.13	632.04	619.13	609.13	12.59	0.14	12.73	9.71	619.42	-0.13	10.32	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWAST-6	5/26/2020	629.13	632.04	619.13	609.13	13.42	0.15	13.57	10.54	618.59	-0.83	9.49	No	
MWAST-6	5/24/2021	629.13	632.04	619.13	609.13	14.71	0.79	15.50	11.98	617.15	-1.44	8.20	No	
MWAST-8	10/22/2003	629.55	631.95	623.55	608.40	NP	0.00	18.12	15.72	613.83	NA	5.43	No	
MWAST-8	1/20/2004	629.55	631.95	623.55	608.40	NP	0.00	18.83	16.43	613.12	-0.71	4.72	No	
MWAST-8	4/19/2004	629.55	631.95	623.55	608.40	18.07	0.24	18.31	15.72	613.83	0.71	5.48	No	
MWAST-8	7/27/2004	629.55	631.95	623.55	608.40	16.87	0.26	17.13	14.52	615.03	1.20	6.68	No	
MWAST-8	11/15/2004	629.55	631.95	623.55	608.40	15.73	0.03	15.76	13.34	616.21	1.18	7.82	No	
MWAST-8	4/18/2005	629.55	631.95	623.55	608.40	15.96	0.15	16.11	13.59	615.96	-0.25	7.59	No	
MWAST-8	10/11/2005	629.55	631.95	623.55	608.40	15.50	0.12	15.62	13.12	616.43	0.47	8.05	No	
MWAST-8	5/23/2006	629.55	631.95	623.55	608.40	14.38	0.01	14.39	11.98	617.57	1.14	9.17	No	
MWAST-8	10/16/2006	629.55	631.95	623.55	608.40	17.22	0.33	17.55	14.88	614.67	-2.90	6.33	No	
MWAST-8	4/23/2007	629.55	631.95	623.55	608.40	17.20	0.31	17.51	14.86	614.69	0.02	6.35	No	
MWAST-8	9/25/2007	629.55	631.82	623.55	608.40	17.56	0.33	17.89	15.35	614.20	-0.49	5.86	No	
MWAST-8	5/1/2008	629.55	631.82	623.55	608.40	14.25	0.09	14.34	12.00	617.55	3.36	9.17	No	
MWAST-8	10/20/2008	629.55	631.82	623.55	608.40	13.95	0.18	14.13	11.71	617.84	0.28	9.47	No	
MWAST-8	4/18/2009	629.55	631.82	623.55	608.40	15.01	0.12	15.13	12.76	616.79	-1.05	8.41	No	
MWAST-8	10/11/2009	629.55	631.82	623.55	608.40	16.73	0.31	17.04	14.52	615.03	-1.76	6.69	No	
MWAST-8	4/28/2010	629.55	631.82	623.55	608.40	16.33	0.22	16.55	14.10	615.45	0.42	7.09	No	
MWAST-8	10/25/2010	629.55	631.82	623.55	608.40	14.52	0.08	14.60	12.27	617.28	1.84	8.90	No	
MWAST-8	4/25/2011	629.55	631.82	623.55	608.40	14.96	0.07	15.03	12.70	616.85	-0.44	8.46	No	
MWAST-8	10/11/2011	629.55	631.82	623.55	608.40	15.94	0.13	16.07	13.69	615.86	-0.99	7.48	No	
MWAST-8	1/4/2012	629.55	631.82	623.55	608.40	17.32	0.36	17.68	15.12	614.43	-1.42	6.10	No	
MWAST-8	4/11/2012	629.55	631.82	623.55	608.40	17.60	0.25	17.85	15.38	614.17	-0.26	5.82	No	
MWAST-8	4/16/2012	629.55	631.82	623.55	608.40	17.50	0.03	17.53	15.24	614.31	0.14	5.92	No	
MWAST-8	6/28/2012	629.55	631.82	623.55	608.40	13.01	0.09	13.10	10.76	618.79	4.48	10.41	No	
MWAST-8	9/28/2012	629.55	631.82	623.55	608.40	17.00	0.30	17.30	14.79	614.76	-4.03	6.42	No	Spill Buddy Before Reading
MWAST-8	9/30/2012	629.55	631.82	623.55	608.40	17.03	0.19	17.22	14.80	614.75	-0.01	6.39	No	
MWAST-8	11/21/2012	629.55	631.82	623.55	608.40	17.56	0.29	17.85	15.34	614.21	-0.55	5.86	No	
MWAST-8	12/17/2012	629.55	631.82	623.55	608.40	17.81	0.38	18.19	15.61	613.94	-0.27	5.61	No	
MWAST-8	3/25/2013	629.55	631.82	623.55	608.40	18.72	0.59	19.31	16.56	612.99	-0.95	4.70	No	
MWAST-8	5/5/2013	629.55	631.82	623.55	608.40	17.09	0.13	17.22	14.84	614.71	1.72	6.33	No	
MWAST-8	10/3/2013	629.55	631.82	623.55	608.40	17.34	0.23	17.57	15.11	614.44	-0.27	6.08	No	
MWAST-8	5/22/2014	629.55	631.82	623.55	608.40	NP	0.00	13.35	11.08	618.47	4.03	10.07	No	
MWAST-8	10/31/2014	629.55	631.82	623.55	608.40	15.38	0.09	15.47	13.13	616.42	-2.05	8.04	No	
MWAST-8	4/15/2015	629.55	631.82	623.55	608.40	17.47	0.18	17.65	15.23	614.32	-2.11	5.95	No	
MWAST-8	4/22/2015	629.55	631.82	623.55	608.40	17.02	0.07	17.09	14.76	614.79	0.47	6.40	No	
MWAST-8	4/29/2015	629.55	631.82	623.55	608.40	16.76	0.06	16.82	14.50	615.05	0.26	6.66	No	
MWAST-8	5/6/2015	629.55	631.82	623.55	608.40	16.68	0.07	16.75	14.42	615.13	0.08	6.74	No	
MWAST-8	5/12/2015	629.55	631.82	623.55	608.40	16.32	0.04	16.36	14.06	615.49	0.37	7.10	No	
MWAST-8	6/9/2015	629.55	631.82	623.55	608.40	14.98	0.02	15.00	12.71	616.84	1.34	8.44	No	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWAST-8	7/10/2015	629.55	631.82	623.55	608.40	15.62	0.02	15.64	13.35	616.20	-0.64	7.80	No	
MWAST-8	7/11/2015	629.55	631.82	623.55	608.40	15.66	0.04	15.70	13.40	616.15	-0.04	7.76	No	
MWAST-8	7/12/2015	629.55	631.82	623.55	608.40	15.62	0.05	15.67	13.36	616.19	0.04	7.80	No	
MWAST-8	7/13/2015	629.55	631.82	623.55	608.40	15.56	0.03	15.59	13.30	616.25	0.06	7.86	No	
MWAST-8	7/15/2015	629.55	631.82	623.55	608.40	15.70	0.03	15.73	13.44	616.11	-0.14	7.72	No	
MWAST-8	7/17/2015	629.55	631.82	623.55	608.40	15.62	0.06	15.68	13.36	616.19	0.07	7.80	No	
MWAST-8	7/18/2015	629.55	631.82	623.55	608.40	15.66	0.06	15.72	13.40	616.15	-0.04	7.76	No	
MWAST-8	7/21/2015	629.55	631.82	623.55	608.40	15.89	0.03	15.92	13.63	615.92	-0.22	7.53	No	
MWAST-8	7/22/2015	629.55	631.82	623.55	608.40	15.92	0.04	15.96	13.66	615.89	-0.03	7.50	No	
MWAST-8	7/23/2015	629.55	631.82	623.55	608.40	15.96	0.03	15.99	13.70	615.85	-0.04	7.46	No	
MWAST-8	7/24/2015	629.55	631.82	623.55	608.40	15.93	0.02	15.95	13.66	615.89	0.03	7.49	No	
MWAST-8	7/25/2015	629.55	631.82	623.55	608.40	16.04	0.02	16.06	13.77	615.78	-0.11	7.38	No	
MWAST-8	7/27/2015	629.55	631.82	623.55	608.40	16.12	0.03	16.15	13.86	615.69	-0.08	7.30	No	
MWAST-8	7/31/2015	629.55	631.82	623.55	608.40	16.27	0.04	16.31	14.01	615.54	-0.15	7.15	No	
MWAST-8	8/4/2015	629.55	631.82	623.55	608.40	16.41	0.03	16.44	14.15	615.40	-0.14	7.01	No	
MWAST-8	8/7/2015	629.55	631.82	623.55	608.40	16.41	0.03	16.44	14.15	615.40	0.00	7.01	No	
MWAST-8	8/12/2015	629.55	631.82	623.55	608.40	16.41	0.02	16.43	14.14	615.41	0.00	7.01	No	
MWAST-8	8/14/2015	629.55	631.82	623.55	608.40	16.44	0.02	16.46	14.17	615.38	-0.03	6.98	No	
MWAST-8	8/15/2015	629.55	631.82	623.55	608.40	16.45	0.02	16.47	14.18	615.37	-0.01	6.97	No	
MWAST-8	8/17/2015	629.55	631.82	623.55	608.40	16.52	0.03	16.55	14.26	615.29	-0.07	6.90	No	
MWAST-8	9/10/2015	629.55	631.82	623.55	608.40	15.95	0.01	15.96	13.68	615.87	0.57	7.47	No	
MWAST-8	9/15/2015	629.55	631.82	623.55	608.40	15.99	0.02	16.01	13.72	615.83	-0.04	7.43	No	
MWAST-8	9/24/2015	629.55	631.82	623.55	608.40	NP	0.00	15.18	12.91	616.64	0.81	8.24	No	
MWAST-8	10/1/2015	629.55	631.82	623.55	608.40	Np	0.00	15.00	12.73	616.82	0.18	8.42	No	
MWAST-8	10/5/2015	629.55	631.82	623.55	608.40	NP	0.00	14.97	12.70	616.85	1.56	8.45	No	
MWAST-8	10/29/2015	629.55	631.82	623.55	608.40	NP	0.00	15.33	13.06	616.49	-0.36	8.09	No	
MWAST-8	11/3/2015	629.55	631.82	623.55	608.40	NP	0.00	15.20	12.93	616.62	0.13	8.22	No	
MWAST-8	4/21/2016	629.55	631.82	623.55	608.40	NP	0.00	12.64	10.37	619.18	2.56	10.78	No	
MWAST-8	4/27/2016	629.55	631.82	623.55	608.40	NP	0.00	11.67	9.40	620.15	0.97	11.75	No	
MWAST-8	5/18/2016	629.55	631.82	623.55	608.40	NP	0.00	12.58	10.31	619.24	-0.91	10.84	No	
MWAST-8	5/23/2016	629.55	631.82	623.55	608.40	NP	0.00	12.72	10.45	619.10	-0.14	10.70	No	
MWAST-8	5/31/2016	629.55	631.82	623.55	608.40	NP	0.00	12.77	10.50	619.05	-0.05	10.65	No	
MWAST-8	6/14/2016	629.55	631.82	623.55	608.40	NP	0.00	12.57	10.30	619.25	0.20	10.85	No	
MWAST-8	6/21/2016	629.55	631.82	623.55	608.40	NP	0.00	12.04	9.77	619.78	0.53	11.38	No	
MWAST-8	7/21/2016	629.55	631.82	623.55	608.40	NP	0.00	12.82	10.55	619.00	-0.78	10.60	No	
MWAST-8	7/25/2016	629.55	631.82	623.55	608.40	NP	0.00	13.26	10.99	618.56	-0.44	10.16	No	
MWAST-8	9/2/2016	629.55	631.82	623.55	608.40	NP	0.00	14.58	12.31	617.24	-1.32	8.84	No	
MWAST-8	10/3/2016	629.55	631.82	623.55	608.40	NP	0.00	14.72	12.45	617.10	-0.14	8.70	No	
MWAST-8	10/13/2016	629.55	631.82	623.55	608.40	NP	0.00	14.98	12.71	616.84	-0.26	8.44	No	
MWAST-8	5/18/2017	629.55	631.82	623.55	608.40	NP	0.00	12.79	10.52	619.03	2.19	10.63	No	
MWAST-8	5/31/2017	629.55	631.82	623.55	608.40	NP	0.00	11.52	9.25	620.30	1.27	11.90	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWAST-8	5/30/2018	629.55	631.82	623.55	608.40	NP	0.00	15.12	12.85	616.70	-3.60	8.30	No	
MWAST-8	6/18/2018	629.55	631.82	623.55	608.40	NP	0.00	13.40	11.13	618.42	-1.88	10.02	No	
MWAST-8	6/27/2018	629.55	631.82	623.55	608.40	NP	0.00	13.66	11.39	618.16	1.46	9.76	No	
MWAST-8	6/3/2019	629.55	631.82	623.55	608.40	NP	0.00	12.95	10.68	618.87	0.45	10.47	No	
MWAST-8	3/31/2020	629.55	631.82	623.55	608.40	NP	0.00	11.77	9.50	620.05	1.89	11.65	No	
MWAST-8	5/26/2020	629.55	631.82	623.55	608.40	NP	0.00	13.11	10.84	618.71	-0.16	10.31	No	
MWAST-8	5/24/2021	629.55	631.82	623.55	608.40	NP	0.00	14.45	12.18	617.37	-2.68	8.97	No	
MWAST-9	10/22/2003	629.27	631.60	621.27	605.80	NP	0.00	17.70	15.37	613.90	NA	8.10	No	
MWAST-9	1/20/2004	629.27	631.60	621.27	605.80	NP	0.00	18.46	16.13	613.14	-0.76	7.34	No	
MWAST-9	4/19/2004	629.27	631.60	621.27	605.80	NP	0.00	17.89	15.56	613.71	0.57	7.91	No	
MWAST-9	7/27/2004	629.27	631.60	621.27	605.80	NP	0.00	16.48	14.15	615.12	1.41	9.32	No	
MWAST-9	11/16/2004	629.27	631.60	621.27	605.80	NP	0.00	15.29	12.96	616.31	1.19	10.51	No	
MWAST-9	4/18/2005	629.27	631.60	621.27	605.80	NP	0.00	15.18	12.85	616.42	0.11	10.62	No	
MWAST-9	10/11/2005	629.27	631.60	621.27	605.80	NP	0.00	14.91	12.58	616.69	0.27	10.89	No	
MWAST-9	5/23/2006	629.27	631.60	621.27	605.80	NP	0.00	13.86	11.53	617.74	1.05	11.94	No	
MWAST-9	10/16/2006	629.27	631.60	621.27	605.80	NP	0.00	16.88	14.55	614.72	-3.02	8.92	No	
MWAST-9	4/23/2007	629.27	631.60	621.27	605.80	NP	0.00	17.14	14.81	614.46	-0.26	8.66	No	
MWAST-9	9/25/2007	629.27	631.43	621.27	605.80	NP	0.00	17.50	15.34	613.93	-0.53	8.13	No	
MWAST-9	5/1/2008	629.27	631.43	621.27	605.80	NP	0.00	15.55	13.39	615.88	1.95	10.08	No	
MWAST-9	10/20/2008	629.27	631.43	621.27	605.80	NP	0.00	14.76	12.60	616.67	0.79	10.87	No	
MWAST-9	8/31/2011	629.27	631.43	621.27	605.80	NP	0.00	13.83	11.67	617.60	0.93	11.80	No	
MWAST-9	10/11/2011	629.27	631.43	621.27	605.80	NP	0.00	15.41	13.25	616.02	-1.58	10.22	No	
MWAST-9	1/4/2012	629.27	631.43	621.27	605.80	NP	0.00	16.95	14.79	614.48	-1.54	8.68	No	
MWAST-9	4/16/2012	629.27	631.43	621.27	605.80	NP	0.00	17.34	15.18	614.09	-0.39	8.29	No	
MWAST-9	6/28/2012	629.27	631.43	621.27	605.80	NP	0.00	12.52	10.36	618.91	4.82	13.11	No	
MWAST-9	9/30/2012	629.27	631.43	621.27	605.80	NP	0.00	16.60	14.44	614.83	-4.08	9.03	No	
MWAST-9	12/17/2012	629.27	631.43	621.27	605.80	NP	0.00	17.52	15.36	613.91	-0.92	8.11	No	
MWAST-9	3/25/2013	629.27	631.43	621.27	605.80	NP	0.00	18.52	16.36	612.91	-1.00	7.11	No	
MWAST-9	5/5/2013	629.27	631.43	621.27	605.80	NP	0.00	16.81	14.65	614.62	1.71	8.82	No	
MWAST-9	10/3/2013	629.27	631.43	621.27	605.80	NP	0.00	17.01	14.85	614.42	-0.20	8.62	No	
MWAST-9	5/21/2014	629.27	631.43	621.27	605.80	NP	0.00	13.02	10.86	618.41	3.99	12.61	No	
MWAST-9	10/31/2014	629.27	631.43	621.27	605.80	NP	0.00	14.92	12.76	616.51	-1.90	10.71	No	
MWAST-9	5/6/2015	629.27	631.43	621.27	605.80	NP	0.00	16.34	14.18	615.09	-1.42	9.29	No	
MWAST-9	7/10/2015	629.27	631.43	621.27	605.80	15.17	0.03	15.20	13.02	616.25	1.16	10.46	No	
MWAST-9	10/5/2015	629.27	631.43	621.27	605.80	NP	0.00	14.56	12.40	616.87	0.62	11.07	No	
MWAST-9	5/23/2016	629.27	631.43	621.27	605.80	NP	0.00	12.12	9.96	619.31	2.44	13.51	No	
MWAST-9	10/3/2016	629.27	631.43	621.27	605.80	NP	0.00	14.29	12.13	617.14	-2.17	11.34	No	
MWAST-9	6/29/2017	629.27	631.43	621.27	605.80	NP	0.00	15.10	12.94	616.33	-0.81	10.53	No	
MWAST-9	5/14/2018	629.27	631.43	621.27	605.80	NP	0.00	14.94	12.78	616.49	0.16	10.69	No	
MWAST-9	5/26/2020	629.27	631.43	621.27	605.80	NP	0.00	12.63	10.47	618.80	2.31	13.00	No	

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Former Amoco Terminal
Superior, Wisconsin

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MWAST-9	5/24/2021	629.27	631.43	621.27	605.80	NP	0.00	14.13	11.97	617.30	-1.50	11.50	No	
MWM-2	10/21/2003	626.14	628.94	613.14	597.36	NP	0.00	18.39	15.59	610.55	NA	13.19	No	
MWM-2	1/20/2004	626.14	628.94	613.14	597.36	NP	0.00	19.16	16.36	609.78	-0.77	12.42	No	
MWM-2	4/19/2004	626.14	628.94	613.14	597.36	NP	0.00	17.38	14.58	611.56	1.78	14.20	No	
MWM-2	11/18/2004													Well Damaged
MWM-2	4/18/2005													Well Damaged
MWM-2	8/1/2005													Well Repaired August 2005
MWM-2	10/11/2005	626.14	628.94	613.14	597.36	NP	0.00	15.98	13.18	612.96	NA	15.60	No	
MWM-2	5/23/2006	626.14	628.94	613.14	597.36	NP	0.00	14.94	12.14	614.00	1.04	16.64	Yes	
MWM-2	10/16/2006	626.14	628.94	613.14	597.36	NP	0.00	17.56	14.76	611.38	-2.62	14.02	No	
MWM-2	4/23/2007	626.14	628.94	613.14	597.36	NP	0.00	17.75	14.95	611.19	-0.19	13.83	No	
MWM-2	9/25/2007	626.14	628.94	613.14	597.36	NP	0.00	17.36	14.56	611.58	0.39	14.22	No	
MWM-2	5/1/2008	626.14	628.94	613.14	597.36	NP	0.00	15.65	12.85	613.29	1.71	15.93	Yes	
MWM-2	10/20/2008	626.14	628.94	613.14	597.36	NP	0.00	14.59	11.79	614.35	1.06	16.99	Yes	
MWM-2	8/31/2011	626.14	628.94	613.14	597.36	NP	0.00	15.19	12.39	613.75	-0.60	16.39	Yes	
MWM-2	10/11/2011	626.14	628.94	613.14	597.36	NP	0.00	17.13	14.33	611.81	-1.94	14.45	No	
MWM-2	1/4/2012	626.14	628.94	613.14	597.36	NP	0.00	17.88	15.08	611.06	-0.75	13.70	No	
MWM-2	4/16/2012	626.14	628.94	613.14	597.36	NP	0.00	17.05	14.25	611.89	0.83	14.53	No	
MWM-2	6/28/2012	626.14	628.94	613.14	597.36	NP	0.00	13.57	10.77	615.37	3.48	18.01	Yes	
MWM-2	9/30/2012	626.14	628.94	613.14	597.36	NP	0.00	17.66	14.86	611.28	-4.09	13.92	No	
MWM-2	12/17/2012	626.14	628.94	613.14	597.36	NP	0.00	18.10	15.30	610.84	-0.44	13.48	No	
MWM-2	3/25/2013	626.14	628.94	613.14	597.36	NP	0.00	19.01	16.21	609.93	-0.91	12.57	No	
MWM-2	5/5/2013	626.14	628.94	613.14	597.36	NP	0.00	16.37	13.57	612.57	2.64	15.21	No	
MWM-2	10/1/2013	626.14	628.94	613.14	597.36	NP	0.00	17.49	14.69	611.45	-1.12	14.09	No	
MWM-2	5/21/2014	626.14	628.94	613.14	597.36	NP	0.00	18.57	15.77	610.37	-1.08	13.01	No	
MWM-2	10/30/2014	626.14	628.94	613.14	597.36	NP	0.00	15.58	12.78	613.36	2.99	16.00	Yes	
MWM-2	5/6/2015	626.14	628.94	613.14	597.36	NP	0.00	16.53	13.73	612.41	-0.95	15.05	No	
MWM-2	10/5/2015	626.14	628.94	613.14	597.36	NP	0.00	15.34	12.54	613.60	1.19	16.24	Yes	
MWM-2	5/23/2016	626.14	628.94	613.14	597.36	NP	0.00	13.98	11.18	614.96	1.36	17.60	Yes	
MWM-2	10/3/2016	626.14	628.94	613.14	597.36	NP	0.00	15.43	12.63	613.51	-1.45	16.15	Yes	
MWM-2	6/29/2017	626.14	628.94	613.14	597.36	NP	0.00	14.39	11.59	614.55	1.04	17.19	Yes	
MWM-2	6/3/2019	626.14	628.94	613.14	597.36	NP	0.00	13.76	10.96	615.18	0.63	17.82	Yes	
MWM-2	5/26/2020	626.14	628.94	613.14	597.36	NP	0.00	14.27	11.47	614.67	-0.51	17.31	Yes	
MWM-2	5/24/2021	626.14	628.94	613.14	597.36	NP	0.00	14.84	12.04	614.10	-0.57	16.74	Yes	
MWM-2D	10/3/2016	626.11	629.06	573.11	568.11	NP	0.00	15.14	12.19	613.92	NA	45.81	Yes	
MWM-2D	6/13/2017	626.11	629.06	573.11	568.11	NP	0.00	12.24	9.29	616.82	2.90	48.71	Yes	
MWM-2D	10/3/2017	626.11	629.06	573.11	568.11	NP	0.00	12.84	9.89	616.22	-0.60	48.11	Yes	
MWM-2D	6/18/2018	626.11	629.06	573.11	568.11	NP	0.00	14.60	11.65	614.46	-1.76	46.35	Yes	
MWM-2D	10/8/2018	626.11	629.06	573.11	568.11	NP	0.00	15.57	12.62	613.49	-0.97	45.38	Yes	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWM-2D	10/8/2018	626.11	629.06	573.11	568.11	NP	0.00	14.03	11.08	615.03	1.54	46.92	Yes	
MWM-2D	10/2/2019	626.11	629.06	573.11	568.11	NP	0.00	15.08	12.13	613.98	-1.05	45.87	Yes	
MWM-2D	5/26/2020	626.11	629.06	573.11	568.11	NP	0.00	14.27	11.32	614.79	0.81	46.68	Yes	
MWM-2D	10/5/2020	626.11	629.06	573.11	568.11	NP	0.00	15.82	12.87	613.24	-1.55	45.13	Yes	
MWM-2D	5/24/2021	626.11	629.06	573.11	568.11	NP	0.00	15.11	12.16	613.95	0.71	45.84	Yes	
MWM-3	10/23/2003	627.18	629.68	612.18	597.18	16.45	12.62	29.07	16.85	610.33	NA	16.05	No	
MWM-3	1/20/2004	627.18	629.68	612.18	597.18	17.30	11.51	28.81	17.44	609.74	-0.59	15.20	No	
MWM-3	4/19/2004	627.18	629.68	612.18	597.18	15.18	13.80	28.98	15.85	611.33	1.59	17.32	No	
MWM-3	7/27/2004	627.18	629.68	612.18	597.18	14.72	14.37	29.09	15.52	611.66	0.33	17.78	No	
MWM-3	11/15/2004	627.18	629.68	612.18	597.18	13.44	15.95	29.39	14.61	612.57	0.92	19.06	Yes	
MWM-3	4/18/2005	627.18	629.68	612.18	597.18	13.37	16.13	29.50	14.58	612.60	0.03	19.13	Yes	
MWM-3	9/9/2005	627.18	629.68	612.18	597.18	15.38	13.86	29.24	16.07	611.11	-1.49	17.12	No	
MWM-3	10/11/2005	627.18	629.68	612.18	597.18	12.96	16.42	29.38	14.23	612.95	1.83	19.54	Yes	
MWM-3	5/23/2006	627.18	629.68	612.18	597.18	12.20	17.63	29.83	13.75	613.43	0.48	20.30	Yes	
MWM-3	10/16/2006	627.18	629.68	612.18	597.18	15.60	13.60	29.20	16.23	610.95	-2.47	16.90	No	
MWM-3	4/23/2007	627.18	629.68	612.18	597.18	14.61	14.67	29.28	15.48	611.70	0.74	17.89	No	
MWM-3	9/25/2007	627.18	629.68	612.18	597.18	15.60	13.40	29.00	16.18	611.00	-0.70	16.90	No	
MWM-3	5/1/2008	627.18	629.68	612.18	597.18	12.16	17.53	29.69	13.69	613.49	2.49	20.34	Yes	
MWM-3	8/31/2011	627.18	629.68	612.18	597.18	12.51	17.02	29.53	13.92	613.26	-0.23	19.99	Yes	
MWM-3	10/21/2011	627.18	629.68	612.18	597.18	15.30	10.30	25.60	15.17	612.01	-1.25	17.20	No	
MWM-3	10/27/2011	627.18	629.68	612.18	597.18	14.90	13.30	28.20	15.46	611.72	-0.29	17.60	No	
MWM-3	11/3/2011	627.18	629.68	612.18	597.18	15.11	13.12	28.23	15.62	611.56	-0.17	17.39	No	
MWM-3	11/9/2011	627.18	629.68	612.18	597.18	15.07	13.38	28.45	15.64	611.54	-0.02	17.43	No	
MWM-3	11/10/2011	627.18	629.68	612.18	597.18	15.34	13.11	28.45	15.85	611.33	-0.21	17.16	No	Before EFR
MWM-3	11/10/2011	627.18	629.68	612.18	597.18	20.62	0.07	20.69	18.14	609.04	-2.28	11.88	No	After EFR
MWM-3	11/13/2011	627.18	629.68	612.18	597.18	15.12	12.91	28.03	15.59	611.59	2.55	17.38	No	EFR Check
MWM-3	11/17/2011	627.18	629.68	612.18	597.18	15.32	13.04	28.36	15.82	611.36	-0.23	17.18	No	
MWM-3	11/22/2011	627.18	629.68	612.18	597.18	15.36	13.12	28.48	15.87	611.31	-0.06	17.14	No	
MWM-3	11/29/2011	627.18	629.68	612.18	597.18	15.42	13.10	28.52	15.93	611.25	-0.06	17.08	No	Reading before system start up
MWM-3	1/4/2012	627.18	629.68	612.18	597.18	16.13	12.27	28.40	16.45	610.73	-0.52	16.37	No	
MWM-3	2/16/2012	627.18	629.68	612.18	597.18	16.77	10.58	27.35	16.70	610.48	-0.25	15.73	No	
MWM-3	3/13/2012	627.18	629.68	612.18	597.18	16.68	11.58	28.26	16.84	610.34	-0.14	15.82	No	
MWM-3	4/16/2012	627.18	629.68	612.18	597.18	15.28	12.90	28.18	15.74	611.44	1.10	17.22	No	
MWM-3	6/11/2012	627.18	629.68	612.18	597.18	12.58	16.22	28.80	13.81	613.37	1.94	19.92	Yes	Reading before install of well pumps for Barge system expansion to C. Reiss property.
MWM-3	6/21/2012	627.18	629.68	612.18	597.18	14.30	1.70	16.00	12.19	614.99	1.62	18.20	Yes	Connected to System
MWM-3	6/28/2012	627.18	629.68	612.18	597.18	15.22	0.16	15.38	12.76	614.42	-0.57	17.28	Yes	Connected to System
MWM-3	12/17/2012	627.18	629.68	612.18	597.18	17.21	7.27	24.48	16.38	610.80	-3.62	15.29	No	System down for winter; interface probe could not bypass pump to gauge DTW.
Well connected to Barge Dock Skimmer system - Phase 2														No
MWM-3	3/25/2013	627.18	629.68	612.18	597.18	18.22	6.13	24.35	17.13	610.05	-0.75	14.28	No	Probe hit pump at 24.35' still indicated LNAPL
MWM-3	5/5/2013	627.18	629.68	612.18	597.18	15.12	9.53	24.65	14.81	612.37	2.32	17.38	Yes	Probe hit pump at 24.65' still indicated LNAPL
MWM-3	5/22/2014	627.18	629.68	612.18	597.18	15.21	0.16	15.37	12.75	614.43	2.06	17.29	Yes	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWM-3	10/31/2014	627.18	629.68	612.18	597.18	17.25	0.13	17.38	14.78	612.40	-2.03	15.25	Yes	
MWM-3	3/17/2015	627.18	629.68	612.18	597.18	16.59	7.61	24.20	15.84	611.34	-1.06	15.91	No	
MWM-3	5/6/2015	627.18	629.68	612.18	597.18	18.05	0.12	18.17	15.58	611.60	-0.80	14.45	No	
MWM-3	6/25/2015	627.18	629.68	612.18	597.18	17.30	0.13	17.43	14.83	612.35	0.75	15.20	Yes	
MWM-3	7/13/2015	627.18	629.68	612.18	597.18	17.20	0.12	17.32	14.73	612.45	0.85	15.30	Yes	
MWM-3	10/1/2015	627.18	629.68	612.18	597.18	14.80	0.12	14.92	12.33	614.85	2.40	17.70	Yes	
MWM-3	10/5/2015	627.18	629.68	612.18	597.18	16.88	0.07	16.95	14.40	612.78	-2.07	15.62	Yes	
MWM-3	4/21/2016	627.18	629.68	612.18	597.18	11.75	10.92	22.67	11.76	615.42	2.64	20.75	Yes	
MWM-3	5/2/2017	627.18	629.68	612.18	597.18	12.81	13.06	25.87	13.31	613.87	-1.55	19.69	Yes	
MWM-3	5/31/2017	627.18	629.68	612.18	597.18	15.41	0.18	15.59	12.95	614.23	0.36	17.09	Yes	
MWM-3	6/14/2017	627.18	629.68	612.18	597.18	15.37	0.15	15.52	12.90	614.28	0.05	17.13	Yes	
MWM-3	06/29/17	627.18	629.68	612.18	597.18	15.86	0.10	15.96	13.38	613.80	-0.48	16.64	Yes	
MWM-3	7/12/2017	627.18	629.68	612.18	597.18	15.46	0.15	15.61	12.99	614.19	0.39	17.04	Yes	
MWM-3	07/19/17	627.18	629.68	612.18	597.18	15.45	0.14	15.59	12.98	614.20	0.01	17.05	Yes	
MWM-3	7/26/2017	627.18	629.68	612.18	597.18	15.63	0.24	15.87	13.19	613.99	-0.20	16.87	Yes	
MWM-3	07/27/17	627.18	629.68	612.18	597.18	15.75	0.17	15.92	13.29	613.89	-0.10	16.75	Yes	
MWM-3	8/4/2017	627.18	629.68	612.18	597.18	15.88	0.19	16.07	13.42	613.76	-0.13	16.62	Yes	
MWM-3	08/08/17	627.18	629.68	612.18	597.18	15.99	0.15	16.14	13.52	613.66	-0.10	16.51	Yes	
MWM-3	8/15/2017	627.18	629.68	612.18	597.18	15.43	0.16	15.59	12.97	614.21	0.56	17.07	Yes	
MWM-3	08/22/17	627.18	629.68	612.18	597.18	15.16	0.18	15.34	12.70	614.48	0.27	17.34	Yes	
MWM-3	8/30/2017	627.18	629.68	612.18	597.18	14.35	0.14	14.49	11.88	615.30	0.82	18.15	Yes	
MWM-3	09/07/17	627.18	629.68	612.18	597.18	14.52	0.18	14.70	12.06	615.12	-0.18	17.98	Yes	
MWM-3	9/14/2017	627.18	629.68	612.18	597.18	15.09	-0.07	15.02	12.57	614.66	-0.46	17.48	Yes	
MWM-3	9/27/2017	627.18	629.68	612.18	597.18	15.06	0.14	15.20	12.59	614.59	-0.07	17.44	Yes	
MWM-3	10/12/2017	627.18	629.68	612.18	597.18	14.22	0.11	14.33	11.75	615.43	0.85	18.28	Yes	
MWM-3	10/26/17	627.18	629.68	612.18	597.18	14.55	0.13	14.68	12.08	615.10	-0.33	17.95	Yes	
MWM-3	05/14/18	627.18	629.68	612.18	597.18	NP	0.00	14.11	11.61	615.57	0.47	18.39	Yes	
MWM-3	05/15/18	627.18	629.68	612.18	597.18	17.06	0.14	17.20	14.59	612.59	-2.98	15.44	Yes	
MWM-3	05/23/18	627.18	629.68	612.18	597.18	17.40	0.30	17.70	14.97	612.21	-0.38	15.10	Yes	
MWM-3	05/24/18	627.18	629.68	612.18	597.18	17.25	0.15	17.40	14.78	612.40	0.18	15.25	Yes	
MWM-3	05/30/18	627.18	629.68	612.18	597.18	NP	0.00	16.81	14.31	612.87	0.47	15.69	Yes	
MWM-3	06/08/18	627.18	629.68	612.18	597.18	16.44	0.02	16.46	13.94	613.24	0.37	16.06	Yes	
MWM-3	06/12/18	627.18	629.68	612.18	597.18	16.47	0.18	16.65	14.01	613.17	-0.07	16.03	Yes	
MWM-3	06/19/18	627.18	629.68	612.18	597.18	PUMP OBSTRUCTION								
MWM-3	06/28/18	627.18	629.68	612.18	597.18	PUMP OBSTRUCTION								
MWM-3	07/03/18	627.18	629.68	612.18	597.18	15.85	0.15	16.00	13.38	613.80	0.63	16.65	Yes	
MWM-3	07/10/18	627.18	629.68	612.18	597.18	16.20	0.15	16.35	13.73	613.45	-0.35	16.30	Yes	
MWM-3	07/25/18	627.18	629.68	612.18	597.18	PUMP OBSTRUCTION								
MWM-3	08/08/18	627.18	629.68	612.18	597.18	17.39		17.65		612.03		14.85	No	
MWM-3	08/16/18	627.18	629.68	612.18	597.18	PUMP OBSTRUCTION								
MWM-3	09/04/18	627.18	629.68	612.18	597.18	PUMP OBSTRUCTION								
MWM-3	09/17/18	627.18	629.68	612.18	597.18	17.47	0.17	17.64		612.17		15.03	No	
MWM-3	05/07/19	627.18	629.68	612.18	597.18	16.75	2.33	19.08	14.79	612.39	0.22	15.75	Yes	
MWM-3	05/14/19	627.18	629.68	612.18	597.18	16.06	3.49	19.55	14.36	612.82	0.42	16.44	Yes	
MWM-3	05/22/19	627.18	629.68	612.18	597.18	15.67	0.91	16.58	13.38	613.80	0.98	16.83	Yes	
MWM-3	05/28/19	627.18	629.68	612.18	597.18	13.85	3.84	17.69	12.23	614.95	1.15	18.65	Yes	System Down, Tank Full

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations	
MWM-3	06/07/19	627.18	629.68	612.18	597.18	PUMP OBSTRUCTION								System Up and Running, Tank Pumped Out	
MWM-3	06/13/19	627.18	629.68	612.18	597.18	PUMP OBSTRUCTION									
MWM-3	06/24/19	627.18	629.68	612.18	597.18	15.48	1.01	16.49	13.21	613.97	613.97	17.02	Yes		
MWM-3	07/03/19	627.18	629.68	612.18	597.18	15.40	0.15	15.55	12.93	614.25	0.28	17.10	Yes		
MWM-3	08/28/19	627.18	629.68	612.18	597.18	17.55	0.14	17.69	15.08	612.10	-2.15	14.95	No		
MWM-3	09/12/19	627.18	629.68	612.18	597.18	17.20	0.17	17.37	14.74	612.44	0.34	15.30	Yes		
MWM-3	09/25/19	627.18	629.68	612.18	597.18	16.69	0.14	16.83	14.22	612.96	0.52	15.81	Yes		
MWM-3	10/04/19	627.18	629.68	612.18	597.18	16.11	0.17	16.28	13.65	613.53	0.57	16.39	Yes		
MWM-3	10/07/19	627.18	629.68	612.18	597.18	PUMP OBSTRUCTION									
MWM-3	10/21/19	627.18	629.68	612.18	597.18	PUMP OBSTRUCTION								System went down 10/18 (powerline down), restarted 10/21	
MWM-3	10/29/19	627.18	629.68	612.18	597.18	15.56	0.12	15.68	13.09	614.09	0.56	16.94	Yes		
MWM-3	03/31/20	627.18	629.68	612.18	597.18	10.96	11.56	22.52	11.12	616.06	616.06	21.54	Yes		
MWM-3	04/21/20	627.18	629.68	612.18	597.18	11.45	11.15	22.60	11.51	615.67	615.67	21.05	Yes		
MWM-3	04/22/20	627.18	629.68	612.18	597.18	15.18	0.06	15.24	12.69	614.49	0.39	17.32	Yes		
MWM-3	04/30/20	627.18	629.68	612.18	597.18	14.91	0.12	15.03	12.44	614.74	-1.32	17.59	Yes		
MWM-3	05/11/20	627.18	629.68	612.18	597.18	15.21	0.06	15.27	12.72	614.46	-1.21	17.29	Yes		
MWM-3	05/20/20	627.18	629.68	612.18	597.18	15.50	0.44	15.94	13.10	614.08	-0.41	17.00	Yes		
MWM-3	05/26/20	627.18	629.68	612.18	597.18	15.81	0.03	15.84	13.32	613.86	-0.88	16.69	Yes		
MWM-3	05/28/20	627.18	629.68	612.18	597.18	15.38	0.08	15.46	12.90	614.28	-0.17	17.12	Yes		
MWM-3	06/02/20	627.18	629.68	612.18	597.18	15.62	0.03	15.65	13.13	614.05	-0.03	16.88	Yes		
MWM-3	06/11/20	627.18	629.68	612.18	597.18	15.94	0.71	16.65	13.60	613.58	-0.29	16.56	Yes		
MWM-3	06/22/20	627.18	629.68	612.18	597.18	16.55	0.29	16.84	14.12	613.06	-1.22	15.95	Yes		
MWM-3	07/06/20	627.18	629.68	612.18	597.18	16.91	0.58	17.49	14.54	612.64	-1.42	15.59	Yes		
MWM-3	07/20/20	627.18	629.68	612.18	597.18	16.66	0.07	16.73	14.18	613.00	-0.57	15.84	Yes		
MWM-3	07/28/20	627.18	629.68	612.18	597.18	16.47	0.11	16.58	14.00	613.18	0.12	16.03	Yes		
MWM-3	08/12/20	627.18	629.68	612.18	597.18	16.53	0.09	16.62	14.05	613.13	0.49	15.97	Yes		
MWM-3	08/25/20	627.18	629.68	612.18	597.18	16.81	0.42	17.23	14.41	612.77	-0.23	15.69	Yes		
MWM-3	09/08/20	627.18	629.68	612.18	597.18	17.16	0.06	17.22	14.67	612.51	-0.68	15.34	Yes		
MWM-3	09/23/20	627.18	629.68	612.18	597.18	17.53	0.07	17.60	15.05	612.13	-1.00	14.97	No		
MWM-3	10/07/20	627.18	629.68	612.18	597.18	17.75	0.09	17.84	15.27	611.91	-0.86	14.75	No		
MWM-3	10/20/20	627.18	629.68	612.18	597.18	17.65	0.16	17.81	15.19	611.99	-0.51	14.85	No		
MWM-3	04/28/21	627.18	629.68	612.18	597.18	13.33	7.89	21.22	12.64	614.54	2.40	19.17	Yes		
MWM-3	04/29/21	627.18	629.68	612.18	597.18	16.13	0.09	16.22	13.65	613.53	-1.01	16.37	Yes		
MWM-3	05/06/21	627.18	629.68	612.18	597.18	15.53	PUMP OBSTRUCTION								Unable to gauge DTW
MWM-3	05/13/21	627.18	629.68	612.18	597.18	16.74	0.11	16.85	14.27	612.91	-0.61	15.76	Yes		
MWM-3	05/19/21	627.18	629.68	612.18	597.18	16.85	0.08	16.93	14.37	612.81	-0.10	15.65	Yes		
MWM-3	05/24/21	627.18	629.68	612.18	597.18	UNABLE TO GAUGE								Unable to gauge DTW	
MWM-3	05/28/21	627.18	629.68	612.18	597.18	UNABLE TO GAUGE								Unable to gauge DTW	
MWM-3	6/8/2021	627.18	629.68	612.18	597.18	16.98	0.10	17.08	14.50	612.68	-0.13	15.52	Yes		
MWM-3	6/22/2021	627.18	629.68	612.18	597.18	16.35	0.29	16.64	13.92	613.26	0.59	16.15	Yes		
MWM-3	7/1/2021	627.18	629.68	612.18	597.18	16.11	0.14	16.25	13.64	613.54	0.27	16.39	Yes		
MWM-3	7/12/2021	627.18	629.68	612.18	597.18	17.59	0.29	17.88	15.16	612.02	-1.51	14.91	No		
MWM-3	7/27/2021	627.18	629.68	612.18	597.18	17.97	0.15	18.12	15.50	611.68	-0.35	14.53	No		
MWM-3	8/3/2021	627.18	629.68	612.18	597.18	UNABLE TO GAUGE								Unable to gauge DTW	
MWM-3	8/10/2021	627.18	629.68	612.18	597.18	18.14	0.25	18.39	15.70	611.48	-0.19	14.36	No		
MWM-3	8/24/2021	627.18	629.68	612.18	597.18	18.55	0.20	18.75	16.10	611.08	-0.40	13.95	No		
MWM-3	8/31/2021	627.18	629.68	612.18	597.18	18.35	0.14	18.49	15.88	611.30	0.21	14.15	No		
MWM-3	9/14/2021	627.18	629.68	612.18	597.18	18.60	0.09	18.69	16.12	611.06	-0.24	13.90	No		

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Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWM-3	9/28/2021	627.18	629.68	612.18	597.18	18.34	0.02	18.36	15.84	611.34	0.28	14.16	No	
MWM-3	10/5/2021	627.18	629.68	612.18	597.18	18.22	0.13	18.35	15.75	611.43	0.09	14.28	No	
MWM-3	10/19/2021	627.18	629.68	612.18	597.18	18.29	0.04	18.33	15.80	611.38	-0.05	14.21	No	
MWM-3	10/28/2021	627.18	629.68	612.18	597.18	18.41	0.04	18.45	15.92	611.26	-0.12	14.09	No	
MWM-4	10/22/2003	626.69	629.47	621.69	605.67	NP	0.00	17.00	14.22	612.47	NA	6.80	No	
MWM-4	1/20/2004	626.69	629.47	621.69	605.67	NP	0.00	17.79	15.01	611.68	-0.79	6.01	No	
MWM-4	4/19/2004	626.69	629.47	621.69	605.67	NP	0.00	16.37	13.59	613.10	1.42	7.43	No	
MWM-4	7/27/2004	626.69	629.47	621.69	605.67	NP	0.00	15.67	12.89	613.80	0.70	8.13	No	
MWM-4	11/18/2004	626.69	629.47	621.69	605.67	NP	0.00	14.59	11.81	614.88	1.08	9.21	No	
MWM-4	4/18/2005	626.69	629.47	621.69	605.67	NP	0.00	14.40	11.62	615.07	0.19	9.40	No	
MWM-4	10/11/2005	626.69	629.47	621.69	605.67	NP	0.00	13.96	11.18	615.51	0.44	9.84	No	
MWM-4	5/23/2006	626.69	629.47	621.69	605.67	NP	0.00	13.15	10.37	616.32	0.81	10.65	No	
MWM-4	10/16/2006	626.69	629.47	621.69	605.67	NP	0.00	16.18	13.40	613.29	-3.03	7.62	No	
MWM-4	4/23/2007	626.69	629.47	621.69	605.67	NP	0.00	15.59	12.81	613.88	0.59	8.21	No	
MWM-4	9/25/2007	626.69	629.30	621.69	605.67	NP	0.00	16.05	13.44	613.25	-0.63	7.58	No	
MWM-4	5/1/2008	626.69	629.30	621.69	605.67	NP	0.00	12.62	10.01	616.68	3.43	11.01	No	
MWM-4	10/20/2008	626.69	629.30	621.69	605.67	NP	0.00	12.85	10.24	616.45	-0.23	10.78	No	
MWM-4	8/31/2011	626.69	629.30	621.69	605.67	NP	0.00	13.11	10.50	616.19	-0.26	10.52	No	
MWM-4	10/11/2011	626.69	629.30	621.69	605.67	NP	0.00	15.26	12.65	614.04	-2.15	8.37	No	
MWM-4	1/4/2012	626.69	629.30	621.69	605.67	NP	0.00	16.21	13.60	613.09	-0.95	7.42	No	
MWM-4	4/16/2012	626.69	629.30	621.69	605.67	NP	0.00	15.81	13.20	613.49	0.40	7.82	No	
MWM-4	6/28/2012	626.69	629.30	621.69	605.67	NP	0.00	11.49	8.88	617.81	4.32	12.14	No	
MWM-4	9/30/2012	626.69	629.30	621.69	605.67	NP	0.00	15.89	13.28	613.41	-4.40	7.74	No	
MWM-4	12/17/2012	626.69	629.30	621.69	605.67	NP	0.00	16.68	14.07	612.62	-0.79	6.95	No	
MWM-4	3/25/2013	626.69	629.30	621.69	605.67	NP	0.00	17.31	14.70	611.99	-0.63	6.32	No	
MWM-4	5/5/2013	626.69	629.30	621.69	605.67	NP	0.00	15.35	12.74	613.95	1.96	8.28	No	
MWM-4	10/3/2013	626.69	629.30	621.69	605.67	NP	0.00	16.12	13.51	613.18	-0.77	7.51	No	
MWM-4	5/20/2014	626.69	629.30	621.69	605.67	NP	0.00	11.71	9.10	617.59	4.41	11.92	No	
MWM-4	10/31/2014	626.69	629.30	621.69	605.67	NP	0.00	14.09	11.48	615.21	-2.38	9.54	No	
MWM-4	5/6/2015	626.69	629.30	621.69	605.67	NP	0.00	15.25	12.64	614.05	-1.16	8.38	No	
MWM-4	10/5/2015	626.69	629.30	621.69	605.67	NP	0.00	13.72	11.11	615.58	1.53	9.91	No	
MWM-4	5/23/2016	626.69	629.30	621.69	605.67	NP	0.00	11.68	9.07	617.62	2.04	11.95	No	
MWM-4	10/3/2016	626.69	629.30	621.69	605.67	NP	0.00	13.59	10.98	615.71	-1.91	10.04	No	
MWM-4	5/18/2017	626.69	629.30	621.69	605.67	NP	0.00	11.50	8.89	617.80	2.09	12.13	No	
MWM-4	5/31/2017	626.69	629.30	621.69	605.67	NP	0.00	10.33	7.72	618.97	1.17	13.30	No	
MWM-4	5/26/2020	626.69	629.30	621.69	605.67	NP	0.00	12.04	9.43	617.26	-1.71	11.59	No	
MWM-4	5/24/2021	626.69	629.30	621.69	605.67	NP	0.00	13.08	10.47	616.22	-1.04	10.55	No	
MWM-6	10/23/2003	626.20	628.84	611.20	596.20	17.66	0.22	17.88	15.07	611.13	NA	14.98	No	
MWM-6	1/20/2004	626.20	628.84	611.20	596.20	18.07	0.93	19.00	15.66	610.54	-0.58	14.57	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWM-6	4/19/2004	626.20	628.84	611.20	596.20	16.96	1.13	18.09	14.60	611.60	1.06	15.68	Yes	
MWM-6	7/27/2004	626.20	628.84	611.20	596.20	16.36	1.13	17.49	14.00	612.20	0.60	16.28	Yes	
MWM-6	11/15/2004	626.20	628.84	611.20	596.20	16.51	0.10	16.61	13.89	612.31	0.10	16.13	Yes	
MWM-6	4/18/2005	626.20	628.84	611.20	596.20	15.69	0.58	16.27	13.19	613.01	0.70	16.95	Yes	
MWM-6	10/11/2005	626.20	628.84	611.20	596.20	15.20	1.42	16.62	12.91	613.29	0.28	17.44	Yes	
MWM-6	5/23/2006	626.20	628.84	611.20	596.20	14.70	1.01	15.71	12.31	613.89	0.60	17.94	Yes	
MWM-6	10/16/2006	626.20	628.84	611.20	596.20	16.72	1.01	17.73	14.33	611.87	-2.02	15.92	Yes	
MWM-6	4/23/2007	626.20	628.84	611.20	596.20	16.57	0.92	17.49	14.16	612.04	0.17	16.07	Yes	
MWM-6	9/25/2007	626.20	628.84	611.20	596.20	17.05	0.90	17.95	14.63	611.57	-0.48	15.59	Yes	
MWM-6	5/1/2008	626.20	628.84	611.20	596.20	14.91	0.91	15.82	12.49	613.71	2.14	17.73	Yes	
MWM-6	10/20/2008	626.20	628.84	611.20	596.20	14.28	0.91	15.19	11.86	614.34	0.63	18.36	Yes	
MWM-6	8/31/2011	626.20	628.84	611.20	596.20	14.40	0.83	15.23	11.96	614.24	-0.10	18.24	Yes	
MWM-6	10/11/2011	626.20	628.84	611.20	596.20	15.78	0.50	16.28	13.26	612.94	-1.30	16.86	Yes	
MWM-6	1/4/2012	626.20	628.84	611.20	596.20	17.00	0.52	17.52	14.49	611.71	-1.22	15.64	Yes	
MWM-6	4/12/2012	626.20	628.84	611.20	596.20	17.17	0.48	17.65	14.65	611.55	-0.16	15.47	Yes	Spill Buddy Before Reading
MWM-6	4/16/2012	626.20	628.84	611.20	596.20	16.86	0.02	16.88	14.22	611.98	0.42	15.78	Yes	
MWM-6	6/28/2012	626.20	628.84	611.20	596.20	13.80	0.04	13.84	11.17	615.03	3.06	18.84	Yes	
MWM-6	9/30/2012	626.20	628.84	611.20	596.20	16.89	0.02	16.91	14.25	611.95	-3.09	15.75	Yes	
MWM-6	12/17/2012	626.20	628.84	611.20	596.20	17.38	0.02	17.40	14.74	611.46	-0.49	15.26	Yes	
MWM-6	3/25/2013	626.20	628.84	611.20	596.20	18.21	0.04	18.25	15.58	610.62	-0.83	14.43	No	
MWM-6	5/5/2013	626.20	628.84	611.20	596.20	16.61	0.02	16.63	13.97	612.23	1.60	16.03	Yes	
MWM-6	10/3/2013	626.20	628.84	611.20	596.20	NP	0.00	16.87	14.23	611.97	-0.26	15.77	Yes	
MWM-6	5/21/2014	626.20	628.84	611.20	596.20	NP	0.00	14.08	11.44	614.76	2.79	18.56	Yes	
MWM-6	7/30/2014	626.20	628.84	611.20	596.20	15.15	0.01	15.16	12.51	613.69	-1.07	17.49	Yes	
MWM-6	10/31/2014	626.20	628.84	611.20	596.20	NP	0.00	15.21	12.57	613.63	-0.06	17.43	Yes	
MWM-6	4/15/2015	626.20	628.84	611.20	596.20	NP	0.00	16.85	14.21	611.99	-1.64	15.79	Yes	
MWM-6	4/22/2015	626.20	628.84	611.20	596.20	NP	0.00	16.46	13.82	612.38	0.39	16.18	Yes	
MWM-6	4/29/2015	626.20	628.84	611.20	596.20	NP	0.00	16.35	13.71	612.49	0.11	16.29	Yes	
MWM-6	5/6/2015	626.20	628.84	611.20	596.20	NP	0.00	16.33	13.69	612.51	0.02	16.31	Yes	
MWM-6	5/12/2015	626.20	628.84	611.20	596.20	NP	0.00	16.02	13.38	612.82	0.31	16.62	Yes	
MWM-6	6/9/2015	626.20	628.84	611.20	596.20	NP	0.00	15.21	12.57	613.63	0.81	17.43	Yes	
MWM-6	10/5/2015	626.20	628.84	611.20	596.20	15.20	0.10	15.30	12.58	613.62	-0.01	17.44	Yes	
MWM-6	5/18/2016	626.20	628.84	611.20	596.20	13.69	0.19	13.88	11.10	615.10	1.49	18.95	Yes	
MWM-6	5/23/2016	626.20	628.84	611.20	596.20	13.85	0.13	13.98	11.24	614.96	-0.15	18.79	Yes	
MWM-6	5/31/2016	626.20	628.84	611.20	596.20	13.74	0.16	13.90	11.14	615.06	0.10	18.90	Yes	
MWM-6	6/14/2016	626.20	628.84	611.20	596.20	13.67	0.13	13.80	11.06	615.14	0.08	18.97	Yes	
MWM-6	6/21/2016	626.20	628.84	611.20	596.20	13.35	0.16	13.51	10.75	615.45	0.31	19.29	Yes	
MWM-6	7/15/2016	626.20	628.84	611.20	596.20	13.68	0.12	13.80	11.07	615.13	-0.01	18.96	Yes	
MWM-6	7/25/2016	626.20	628.84	611.20	596.20	14.08	0.13	14.21	11.47	614.73	-0.40	18.56	Yes	
MWM-6	8/26/2016	626.20	628.84	611.20	596.20	14.90	0.20	15.10	12.31	613.89	-0.84	17.74	Yes	
MWM-6	9/2/2016	626.20	628.84	611.20	596.20	14.96	0.23	15.19	12.38	613.82	-0.07	17.68	Yes	

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MWM-6	10/3/2016	626.20	628.84	611.20	596.20	15.01	0.30	15.31	12.44	613.76	-0.07	17.63	Yes	
MWM-6	10/6/2016	626.20	628.84	611.20	596.20	15.10	0.30	15.40	12.53	613.67	-0.16	17.54	Yes	
MWM-6	10/13/2016	626.20	628.84	611.20	596.20	15.17	0.33	15.50	12.61	613.59	-0.08	17.47	Yes	
MWM-6	5/2/2017	626.20	628.84	611.20	596.20	13.92	0.53	14.45	11.41	614.79	1.20	18.72	Yes	
MWM-6	5/8/2017	626.20	628.84	611.20	596.20	13.95	0.55	14.50	11.44	614.76	-0.03	18.69	Yes	
MWM-6	5/18/2017	626.20	628.84	611.20	596.20	13.66	0.28	13.94	11.09	615.11	0.36	18.98	Yes	
MWM-6	5/25/2017	626.20	628.84	611.20	596.20	12.90	0.30	13.20	10.33	615.87	0.76	19.74	Yes	
MWM-6	5/31/2017	626.20	628.84	611.20	596.20	12.86	0.29	13.15	10.29	615.91	0.04	19.78	Yes	
MWM-6	9/7/2017	626.20	628.84	611.20	596.20	12.75	0.35	13.10	10.20	616.00	0.10	19.89	Yes	
MWM-6	9/14/2017	626.20	628.84	611.20	596.20	13.21	0.28	13.49	10.64	615.56	-0.44	19.43	Yes	
MWM-6	5/14/2018	626.20	628.84	611.20	596.20	15.32	0.58	15.90	12.82	613.38	-2.18	17.32	Yes	
MWM-6	5/15/2018	626.20	628.84	611.20	596.20	15.75	0.20	15.95	13.16	613.04	-0.34	16.89	Yes	
MWM-6	5/23/2018	626.20	628.84	611.20	596.20	15.63	0.20	15.83	13.04	613.16	0.12	17.01	Yes	
MWM-6	8/8/2018	626.20	628.84	611.20	596.20	15.50	0.25	15.75	12.92	613.28	0.12	17.14	Yes	
MWM-6	10/29/2018	626.20	628.84	611.20	596.20	14.45	0.30	14.75	11.88	614.32	1.04	18.19	Yes	
MWM-6	5/2/2019	626.20	628.84	611.20	596.20	14.50	0.21	14.71	11.91	614.29	-0.03	18.14	Yes	
MWM-6	5/14/2019	626.20	628.84	611.20	596.20	14.05	0.13	14.18	11.44	614.76	0.47	18.59	Yes	
MWM-6	5/28/2019	626.20	628.84	611.20	596.20	13.24	0.04	13.28	10.61	615.59	0.83	19.40	Yes	
MWM-6	6/24/2019	626.20	628.84	611.20	596.20	13.98	0.05	14.03	11.35	614.85	-0.74	18.66	Yes	
MWM-6	8/28/2019	626.20	628.84	611.20	596.20	15.52	0.13	15.65	12.91	613.29	-1.56	17.12	Yes	
MWM-6	9/12/2019	626.20	628.84	611.20	596.20	15.31	0.11	15.42	12.70	613.50	0.21	17.33	Yes	
MWM-6	9/25/2019	626.20	628.84	611.20	596.20	14.74	0.13	14.87	12.13	614.07	0.57	17.90	Yes	
MWM-6	10/4/2019	626.20	628.84	611.20	596.20	14.38	0.11	14.49	11.77	614.43	0.36	18.26	Yes	
MWM-6	10/8/2019	626.20	628.84	611.20	596.20	13.94	0.13	14.07	11.33	614.87	0.02	18.70	Yes	
MWM-6	10/29/2019	626.20	628.84	611.20	596.20	13.60	0.12	13.72	10.99	615.21	1.92	19.04	Yes	
MWM-6	3/31/2020	626.20	628.84	611.20	596.20	12.84	0.09	12.93	10.22	615.98	0.77	19.80	Yes	
MWM-6	4/21/2020	626.20	628.84	611.20	596.20	13.06	0.09	13.15	10.44	615.76	-0.22	19.58	Yes	
MWM-6	4/30/2020	626.20	628.84	611.20	596.20	13.09	0.09	13.18	10.47	615.73	-0.03	19.55	Yes	
MWM-6	5/11/2020	626.20	628.84	611.20	596.20	13.26	0.09	13.35	10.64	615.56	-0.17	19.38	Yes	
MWM-6	5/20/2020	626.20	628.84	611.20	596.20	13.62	0.09	13.71	11.00	615.20	-0.01	19.02	Yes	
MWM-6	5/26/2020	626.20	628.84	611.20	596.20	13.83	0.07	13.90	11.21	614.99	-0.99	18.81	Yes	
MWM-6	6/11/2020	626.20	628.84	611.20	596.20	14.10	0.09	14.19	11.48	614.72	-0.27	18.54	Yes	
MWM-6	6/22/2020	626.20	628.84	611.20	596.20	14.54	0.09	14.63	11.92	614.28	-0.44	18.10	Yes	
MWM-6	7/6/2020	626.20	628.84	611.20	596.20	14.98	0.08	15.06	12.36	613.84	-0.44	17.66	Yes	
MWM-6	7/20/2020	626.20	628.84	611.20	596.20	14.65	0.09	14.74	12.03	614.17	0.33	17.99	Yes	
MWM-6	8/12/2020	626.20	628.84	611.20	596.20	14.50	0.05	14.55	11.87	614.33	0.16	18.14	Yes	
MWM-6	8/25/2020	626.20	628.84	611.20	596.20	14.80	0.09	14.89	12.18	614.02	-0.31	17.84	Yes	
MWM-6	9/8/2020	626.20	628.84	611.20	596.20	15.01	0.09	15.10	12.39	613.81	-0.21	17.63	Yes	
MWM-6	9/23/2020	626.20	628.84	611.20	596.20	15.38	0.10	15.48	12.76	613.44	-0.37	17.26	Yes	
MWM-6	4/28/2021	626.20	628.84	611.20	596.20	14.59	0.11	14.70	11.98	614.22	0.79	18.05	Yes	
MWM-6	5/6/2021	626.20	628.84	611.20	596.20	14.80	0.12	14.92	12.19	614.01	-0.21	17.84	Yes	

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MWM-6	5/13/2021	626.20	628.84	611.20	596.20	15.00	0.10	15.10	12.38	613.82	-0.20	17.64	Yes	
MWM-6	5/19/2021	626.20	628.84	611.20	596.20	15.15	0.12	15.27	12.54	613.66	-0.15	17.49	Yes	
MWM-6	5/24/2021	626.20	628.84	611.20	596.20	14.73	0.12	14.85	12.12	614.08	0.42	17.91	Yes	
MWM-6	5/28/2021	626.20	628.84	611.20	596.20	14.72	0.13	14.85	12.11	614.09	0.01	17.92	Yes	
MWM-6	6/8/2021	626.20	628.84	611.20	596.20	15.02	0.11	15.13	12.41	613.79	-0.30	17.62	Yes	
MWM-6	6/22/2021	626.20	628.84	611.20	596.20	15.43	0.10	15.53	12.81	613.39	-0.41	17.21	Yes	
MWM-6	7/1/2021	626.20	628.84	611.20	596.20	15.22	0.10	15.32	12.60	613.60	0.21	17.42	Yes	
MWM-6	7/12/2021	626.20	628.84	611.20	596.20	15.60	0.12	15.72	12.99	613.21	-0.38	17.04	Yes	
MWM-6	7/27/2021	626.20	628.84	611.20	596.20	15.92	0.12	16.04	13.31	612.89	-0.32	16.72	Yes	
MWM-6	8/3/2021	626.20	628.84	611.20	596.20	16.03	0.11	16.14	13.42	612.78	-0.11	16.61	Yes	
MWM-6	8/10/2021	626.20	628.84	611.20	596.20	16.08	0.12	16.20	13.47	612.73	-0.05	16.56	Yes	
MWM-6	8/24/2021	626.20	628.84	611.20	596.20	16.46	0.10	16.56	13.84	612.36	-0.38	16.18	Yes	
MWM-6	8/31/2021	626.20	628.84	611.20	596.20	16.34	0.10	16.44	13.72	612.48	0.12	16.30	Yes	
MWM-6	9/14/2021	626.20	628.84	611.20	596.20	16.48	0.10	16.58	13.86	612.34	-0.14	16.16	Yes	
MWM-6	9/28/2021	626.20	628.84	611.20	596.20	16.28	0.10	16.38	13.66	612.54	0.20	16.36	Yes	
MWM-6	10/19/2021	626.20	628.84	611.20	596.20	16.23	0.10	16.33	13.61	612.59	0.05	16.41	Yes	
MWM-6	10/28/2021	626.20	628.84	611.20	596.20	16.33	0.10	16.43	13.71	612.49	-0.10	16.31	Yes	
MWM-7	10/22/2003	625.01	627.53	616.01	600.86	NP	0.00	16.97	14.45	610.56	NA	9.70	No	
MWM-7	1/20/2004	625.01	627.53	616.01	600.86	NP	0.00	17.67	15.15	609.86	-0.70	9.00	No	
MWM-7	4/19/2004	625.01	627.53	616.01	600.86	NP	0.00	16.35	13.83	611.18	1.32	10.32	No	
MWM-7	7/27/2004	625.01	627.53	616.01	600.86	NP	0.00	15.89	13.37	611.64	0.46	10.78	No	
MWM-7	11/16/2004	625.01	627.53	616.01	600.86	NP	0.00	15.12	12.60	612.41	0.77	11.55	No	
MWM-7	4/18/2005	625.01	627.53	616.01	600.86	NP	0.00	15.13	12.61	612.40	-0.01	11.54	No	
MWM-7	10/11/2005	625.01	627.53	616.01	600.86	NP	0.00	14.68	12.16	612.85	0.45	11.99	No	
MWM-7	5/23/2006	625.01	627.53	616.01	600.86	NP	0.00	14.28	11.76	613.25	-0.40	12.39	No	
MWM-7	10/16/2006	625.01	627.53	616.01	600.86	NP	0.00	16.38	13.86	611.15	-2.10	10.29	No	
MWM-7	4/23/2007	625.01	627.53	616.01	600.86	NP	0.00	15.91	13.39	611.62	0.47	10.76	No	
MWM-7	9/25/2007	625.01	627.36	616.01	600.86	NP	0.00	16.12	13.77	611.24	-0.38	10.38	No	
MWM-7	5/1/2008	625.01	627.36	616.01	600.86	NP	0.00	14.12	11.77	613.24	2.00	12.38	No	
MWM-7	10/20/2008	625.01	627.36	616.01	600.86	NP	0.00	13.62	11.27	613.74	0.50	12.88	No	
MWM-7	8/31/2011	625.01	627.36	616.01	600.86	NP	0.00	13.89	11.54	613.47	-0.27	12.61	No	
MWM-7	10/11/2011	625.01	627.36	616.01	600.86	NP	0.00	15.23	12.88	612.13	-1.34	11.27	No	
MWM-7	1/4/2012	625.01	627.36	616.01	600.86	NP	0.00	16.33	13.98	611.03	-1.10	10.17	No	
MWM-7	4/16/2012	625.01	627.36	616.01	600.86	NP	0.00	15.81	13.46	611.55	0.52	10.69	No	
MWM-7	6/28/2012	625.01	627.36	616.01	600.86	NP	0.00	12.79	10.44	614.57	3.02	13.71	No	
MWM-7	9/30/2012	625.01	627.36	616.01	600.86	NP	0.00	16.04	13.69	611.32	-3.25	10.46	No	
MWM-7	12/17/2012	625.01	627.36	616.01	600.86	NP	0.00	16.53	14.18	610.83	-0.49	9.97	No	
MWM-7	3/25/2013	625.01	627.36	616.01	600.86	NP	0.00	17.37	15.02	609.99	-0.84	9.13	No	
MWM-7	5/5/2013	625.01	627.36	616.01	600.86	NP	0.00	15.45	13.10	611.91	1.92	11.05	No	
MWM-7	10/1/2013	625.01	627.36	616.01	600.86	NP	0.00	15.95	13.60	611.41	-0.50	10.55	No	

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MWM-7	5/21/2014	625.01	627.36	616.01	600.86	NP	0.00	12.95	10.60	614.41	3.00	13.55	No	
MWM-7	10/29/2014	625.01	627.36	616.01	600.86	NP	0.00	14.23	11.88	613.13	-1.28	12.27	No	
MWM-7	5/6/2015	625.01	627.36	616.01	600.86	NP	0.00	15.28	12.93	612.08	-1.05	11.22	No	
MWM-7	10/6/2015	625.01	627.36	616.01	600.86	NP	0.00	14.11	11.76	613.25	1.17	12.39	No	
MWM-7	5/23/2016	625.01	627.36	616.01	600.86	NP	0.00	12.81	10.46	614.55	1.30	13.69	No	
MWM-7	10/3/2016	625.01	627.36	616.01	600.86	NP	0.00	13.99	11.64	613.37	-1.18	12.51	No	
MWM-7	6/29/2017	625.01	627.36	616.01	600.86	NP	0.00	13.15	10.80	614.21	0.84	13.35	No	
MWM-7	7/15/2019	625.01	627.36	616.01	600.86	NP	0.00	13.38	11.03	613.98	-0.23	13.12	No	
MWM-7	5/26/2020	625.01	627.36	616.01	600.86	NP	0.00	12.95	10.60	614.41	0.43	13.55	No	
MWM-7	5/24/2021	625.01	627.36	616.01	600.86	NP	0.00	13.69	11.34	613.67	-0.74	12.81	No	
MWM-7D	7/31/2009	622.11	623.93	570.11	665.11	NP	0.00	11.49	9.67	612.44	NA	-52.67	Yes	
MWM-7D	10/11/2009	622.11	623.93	570.11	565.11	NP	0.00	12.49	10.67	611.44	NA	46.33	Yes	
MWM-7D	4/28/2010	622.11	623.93	570.11	565.11	NP	0.00	12.63	10.81	611.30	-0.14	46.19	Yes	
MWM-7D	10/25/2010	622.11	623.93	570.11	565.11	NP	0.00	11.36	9.54	612.57	1.27	47.46	Yes	
MWM-7D	4/25/2011	622.11	623.93	570.11	565.11	NP	0.00	11.91	10.09	612.02	-0.55	46.91	Yes	
MWM-7D	10/11/2011	622.11	623.93	570.11	565.11	NP	0.00	12.10	10.28	611.83	-0.19	46.72	Yes	
MWM-7D	1/4/2012	622.11	623.93	570.11	565.11	NP	0.00	13.23	11.41	610.70	-1.13	45.59	Yes	
MWM-7D	4/16/2012	622.11	623.93	570.11	565.11	NP	0.00	13.03	11.21	610.90	0.20	45.79	Yes	
MWM-7D	6/28/2012	622.11	623.93	570.11	565.11	NP	0.00	10.45	8.63	613.48	2.58	48.37	Yes	
MWM-7D	9/30/2012	622.11	623.93	570.11	565.11	NP	0.00	12.99	11.17	610.94	-2.54	45.83	Yes	
MWM-7D	12/17/2012	622.11	623.93	570.11	565.11	NP	0.00	13.44	11.62	610.49	-0.45	45.38	Yes	
MWM-7D	3/25/2013	622.11	623.93	570.11	565.11	NP	0.00	14.21	12.39	609.72	-0.77	44.61	Yes	
MWM-7D	5/5/2013	622.11	623.93	570.11	565.11	NP	0.00	12.88	11.06	611.05	1.33	45.94	Yes	
MWM-7D	10/1/2013	622.11	623.93	570.11	565.11	NP	0.00	12.84	11.02	611.09	0.04	45.98	Yes	
MWM-7D	5/21/2014	622.11	623.93	570.11	565.11	NP	0.00	10.71	8.89	613.22	2.13	48.11	Yes	
MWM-7D	10/30/2014	622.11	623.93	570.11	565.11	NP	0.00	11.28	9.46	612.65	-0.57	47.54	Yes	
MWM-7D	5/5/2015	622.11	623.93	570.11	565.11	NP	0.00	12.39	10.57	611.54	-1.11	46.43	Yes	
MWM-7D	10/6/2015	622.11	623.93	570.11	565.11	NP	0.00	11.20	9.38	612.73	1.19	47.62	Yes	
MWM-7D	5/23/2016	622.11	623.93	570.11	565.11	NP	0.00	10.17	8.35	613.76	1.03	48.65	Yes	
MWM-7D	10/3/2016	622.11	623.93	570.11	565.11	NP	0.00	10.98	9.16	612.95	-0.81	47.84	Yes	
MWM-7D	6/14/2017	622.11	623.93	570.11	565.11	NP	0.00	10.20	8.38	613.73	0.78	48.62	Yes	
MWM-7D	10/3/2017	622.11	623.93	570.11	565.11	NP	0.00	9.26	7.44	614.67	0.94	49.56	Yes	
MWM-7D	6/18/2018	622.11	623.93	570.11	565.11	NP	0.00	10.70	8.88	613.23	-1.44	48.12	Yes	
MWM-7D	6/27/2018	622.11	623.93	570.11	565.11	NP	0.00	10.72	8.90	613.21	-0.02	48.10	Yes	
MWM-7D	10/8/2018	622.11	623.93	570.11	565.11	NP	0.00	11.40	9.58	612.53	-0.68	47.42	Yes	
MWM-7D	6/3/2019	622.11	623.93	570.11	565.11	NP	0.00	10.21	8.39	613.72	1.19	48.61	Yes	
MWM-7D	7/15/2019	622.11	623.93	570.11	565.11	NP	0.00	10.69	8.87	613.24	-0.48	48.13	Yes	
MWM-7D	10/3/2019	622.11	623.93	570.11	565.11	NP	0.00	11.03	9.21	612.90	-0.34	47.79	Yes	
MWM-7D	5/26/2020	622.11	623.93	570.11	565.11	NP	0.00	10.30	8.48	613.63	0.73	48.52	Yes	
MWM-7D	10/5/2020	622.11	623.93	570.11	565.11	NP	0.00	11.68	9.86	612.25	-1.38	47.14	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
 Former Amoco Terminal
 Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWM-7D	5/24/2021	622.11	623.93	570.11	565.11	NP	0.00	11.25	9.43	612.68	0.43	47.57	Yes	
MWM-7D	10/4/2021	622.11	623.93	570.11	565.11	NP	0.00	12.40	10.58	611.53	-1.15	46.42	Yes	
MWM-9	10/22/2003	622.08	624.40	611.08	596.50	NP	0.00	12.97	10.65	611.43	NA	14.93	Yes	
MWM-9	1/20/2004	622.08	624.40	611.08	596.50	NP	0.00	13.65	11.33	610.75	-0.68	14.25	No	
MWM-9	4/19/2004	622.08	624.40	611.08	596.50	NP	0.00	12.83	10.51	611.57	0.82	15.07	Yes	
MWM-9	7/27/2004	622.08	624.40	611.08	596.50	NP	0.00	12.02	9.70	612.38	0.81	15.88	Yes	
MWM-9	11/16/2004	Well Abandoned due to Hallett Dock Construction												
MWM-9R S	7/31/2009	625.43	627.59	616.43	601.43		0.00							
MWM-9R S	10/11/2009	625.43	627.59	616.43	601.43	NP	0.00	14.82	12.66	612.77	NA	11.34	No	
MWM-9R S	4/28/2010	625.43	627.59	616.43	601.43	NP	0.00	14.89	12.73	612.70	-0.07	11.27	No	
MWM-9R S	10/25/2010	625.43	627.59	616.43	601.43	NP	0.00	13.45	11.29	614.14	1.44	12.71	No	
MWM-9R S	4/25/2011	625.43	627.59	616.43	601.43	NP	0.00	13.97	11.81	613.62	-0.52	12.19	No	
MWM-9R S	10/11/2011	625.43	627.59	616.43	601.43	NP	0.00	14.19	12.03	613.40	-0.22	11.97	No	
MWM-9R S	1/4/2012	625.43	627.59	616.43	601.43	NP	0.00	15.47	13.31	612.12	-1.28	10.69	No	
MWM-9R S	4/16/2012	625.43	627.59	616.43	601.43	NP	0.00	15.37	13.21	612.22	0.10	10.79	No	
MWM-9R S	6/28/2012	625.43	627.59	616.43	601.43	NP	0.00	12.44	10.28	615.15	2.93	13.72	No	
MWM-9R S	9/30/2012	625.43	627.59	616.43	601.43	NP	0.00	15.20	13.04	612.39	-2.76	10.96	No	
MWM-9R S	12/17/2012	625.43	627.59	616.43	601.43	NP	0.00	15.73	13.57	611.86	-0.53	10.43	No	
MWM-9R S	3/25/2013	625.43	627.59	616.43	601.43	NP	0.00	16.58	14.42	611.01	-0.85	9.58	No	
MWM-9R S	5/5/2013	625.43	627.59	616.43	601.43	NP	0.00	15.22	13.06	612.37	1.36	10.94	No	
MWM-9R S	10/1/2013	625.43	627.59	616.43	601.43	NP	0.00	15.15	12.99	612.44	0.07	11.01	No	
MWM-9R S	5/20/2014	625.43	627.59	616.43	601.43	NP	0.00	12.80	10.64	614.79	2.35	13.36	No	
MWM-9R S	10/29/2014	625.43	627.59	616.43	601.43	NP	0.00	13.45	11.29	614.14	-0.65	12.71	No	
MWM-9R S	5/6/2015	625.43	627.59	616.43	601.43	NP	0.00	14.76	12.60	612.83	-1.31	11.40	No	
MWM-9R S	10/5/2015	625.43	627.59	616.43	601.43	NP	0.00	13.32	11.16	614.27	1.44	12.84	No	
MWM-9R S	5/23/2016	625.43	627.59	616.43	601.43	NP	0.00	12.06	9.90	615.53	1.26	14.10	No	
MWM-9R S	10/3/2016	625.43	627.59	616.43	601.43	NP	0.00	13.04	10.88	614.55	-0.98	13.12	No	
MWM-9R S	6/29/2017	625.43	627.59	616.43	601.43	NP	0.00	12.44	10.28	615.15	0.60	13.72	No	
MWM-9R S	6/3/2019	625.43	627.59	616.43	601.43	NP	0.00	12.10	9.94	615.49	0.34	14.06	No	
MWM-9R S	5/26/2020	625.43	627.59	616.43	601.43	NP	0.00	12.11	9.95	615.48	-0.01	14.05	No	
MWM-9R S	5/24/2021	625.43	627.59	616.43	601.43	NP	0.00	13.20	11.04	614.39	-1.09	12.96	No	
MWM-9R D	7/31/2009	625.15	626.93	573.15	568.15		0.00							
MWM-9R D	10/11/2009	625.15	626.93	573.15	568.15	NP	0.00	14.41	12.63	612.52	NA	44.37	Yes	
MWM-9R D	4/28/2010	625.15	626.93	573.15	568.15	NP	0.00	14.54	12.76	612.39	-0.13	44.24	Yes	
MWM-9R D	10/25/2010	625.15	626.93	573.15	568.15	NP	0.00	13.19	11.41	613.74	1.35	45.59	Yes	
MWM-9R D	4/25/2011	625.15	626.93	573.15	568.15	NP	0.00	13.72	11.94	613.21	-0.53	45.06	Yes	
MWM-9R D	10/11/2011	625.15	626.93	573.15	568.15	NP	0.00	13.89	12.11	613.04	-0.17	44.89	Yes	
MWM-9R D	1/4/2012	625.15	626.93	573.15	568.15	NP	0.00	15.00	13.22	611.93	-1.11	43.78	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWM-9R D	4/16/2012	625.15	626.93	573.15	568.15	NP	0.00	15.03	13.25	611.90	-0.03	43.75	Yes	
MWM-9R D	6/28/2012	625.15	626.93	573.15	568.15	NP	0.00	12.23	10.45	614.70	2.80	46.55	Yes	
MWM-9R D	9/30/2012	625.15	626.93	573.15	568.15	NP	0.00	14.74	12.96	612.19	-2.51	44.04	Yes	
MWM-9R D	12/17/2012	625.15	626.93	573.15	568.15	NP	0.00	15.32	13.54	611.61	-0.58	43.46	Yes	
MWM-9R D	3/25/2013	625.15	626.93	573.15	568.15	NP	0.00	16.10	14.32	610.83	-0.78	42.68	Yes	
MWM-9R D	5/5/2013	625.15	626.93	573.15	568.15	NP	0.00	14.89	13.11	612.04	1.21	43.89	Yes	
MWM-9R D	10/1/2013	625.15	626.93	573.15	568.15	NP	0.00	14.79	13.01	612.14	0.10	43.99	Yes	
MWM-9R D	5/21/2014	625.15	626.93	573.15	568.15	NP	0.00	12.58	10.80	614.35	2.21	46.20	Yes	
MWM-9R D	10/30/2014	625.15	626.93	573.15	568.15	NP	0.00	13.09	11.31	613.84	-0.51	45.69	Yes	
MWM-9R D	5/5/2015	625.15	626.93	573.15	568.15	NP	0.00	14.36	12.58	612.57	-1.27	44.42	Yes	
MWM-9R D	10/7/2015	625.15	626.93	573.15	568.15	NP	0.00	13.03	11.25	613.90	1.33	45.75	Yes	
MWM-9R D	5/23/2016	625.15	626.93	573.15	568.15	NP	0.00	11.65	9.87	615.28	1.38	47.13	Yes	
MWM-9R D	10/3/2016	625.15	626.93	573.15	568.15	NP	0.00	12.61	10.83	614.32	-0.96	46.17	Yes	
MWM-9R D	6/14/2017	625.15	626.93	573.15	568.15	NP	0.00	11.60	9.82	615.33	1.01	47.18	Yes	
MWM-9R D	10/3/2017	625.15	626.93	573.15	568.15	NP	0.00	10.85	9.07	616.08	0.75	47.93	Yes	
MWM-9R D	6/18/2018	625.15	626.93	573.15	568.15	NP	0.00	12.37	10.59	614.56	-1.52	46.41	Yes	
MWM-9R D	6/27/2018	625.15	626.93	573.15	568.15	NP	0.00	12.34	10.56	614.59	0.03	46.44	Yes	
MWM-9R D	10/8/2018	625.15	626.93	573.15	568.15	NP	0.00	13.07	11.29	613.86	-0.73	45.71	Yes	
MWM-9R D	6/3/2019	625.15	626.93	573.15	568.15	NP	0.00	11.78	10.00	615.15	1.29	47.00	Yes	
MWM-9R D	5/26/2020	625.15	626.93	573.15	568.15	NP	0.00	11.77	9.99	615.16	0.01	47.01	Yes	
MWM-9R D	10/5/2020	625.15	626.93	573.15	568.15	NP	0.00	13.28	11.50	613.65	-1.51	45.50	Yes	
MWM-9R D	5/24/2021	625.15	626.93	573.15	568.15	NP	0.00	12.89	11.11	614.04	0.39	45.89	Yes	
MWM-10 S	7/31/2009	618.59	620.51	609.59	594.59		0.00							
MWM-10 S	10/11/2009	618.59	620.51	609.59	594.59	NP	0.00	3.93	2.01	616.58	NA	21.99	Yes	
MWM-10 S	4/28/2010	618.59	620.51	609.59	594.59	NP	0.00	3.70	1.78	616.81	0.23	22.22	Yes	
MWM-10 S	10/25/2010	618.59	620.51	609.59	594.59	NP	0.00	3.17	1.25	617.34	0.53	22.75	Yes	
MWM-10 S	4/25/2011	618.59	620.51	609.59	594.59	NP	0.00	3.27	1.35	617.24	-0.10	22.65	Yes	
MWM-10 S	10/11/2011	618.59	620.51	609.59	594.59	NP	0.00	4.52	2.60	615.99	-1.25	21.40	Yes	
MWM-10 S	1/4/2012	618.59	620.51	609.59	594.59	NP	0.00	5.75	3.83	614.76	-1.23	20.17	Yes	
MWM-10 S	4/16/2012	618.59	620.51	609.59	594.59	NP	0.00	3.51	1.59	617.00	2.24	22.41	Yes	
MWM-10 S	6/28/2012	618.59	620.51	609.59	594.59	NP	0.00	3.53	1.61	616.98	-0.02	22.39	Yes	
MWM-10 S	9/30/2012	618.59	620.51	609.59	594.59	NP	0.00	6.76	4.84	613.75	-3.23	19.16	Yes	
MWM-10 S	12/17/2012	618.59	620.51	609.59	594.59	NP	0.00	5.01	3.09	615.50	1.75	20.91	Yes	
MWM-10 S	3/25/2013	618.59	620.51	609.59	594.59	NP	0.00	6.99	5.07	613.52	-1.98	18.93	Yes	
MWM-10 S	5/5/2013	618.59	620.51	609.59	594.59	NP	0.00	3.43	1.51	617.08	3.56	22.49	Yes	
MWM-10 S	10/1/2013	618.59	620.51	609.59	594.59	NP	0.00	4.88	2.96	615.63	-1.45	21.04	Yes	
MWM-10 S	5/20/2014	618.59	620.51	609.59	594.59	NP	0.00	3.15	1.23	617.36	1.73	22.77	Yes	
MWM-10 S	10/29/2014	618.59	620.51	609.59	594.59	NP	0.00	4.19	2.27	616.32	-1.04	21.73	Yes	
MWM-10 S	5/6/2015	618.59	620.51	609.59	594.59	NP	0.00	4.00	2.08	616.51	0.19	21.92	Yes	
MWM-10 S	10/5/2015	618.59	620.51	609.59	594.59	NP	0.00	4.05	2.13	616.46	-0.05	21.87	Yes	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWM-10 S	5/23/2016	618.59	620.51	609.59	594.59	NP	0.00	4.03	2.11	616.48	0.02	21.89	Yes	
MWM-10 S	10/3/2016	618.59	620.51	609.59	594.59	NP	0.00	4.56	2.64	615.95	-0.53	21.36	Yes	
MWM-10 S	6/29/2017	618.59	620.51	609.59	594.59	NP	0.00	9.28	7.36	611.23	-4.72	16.64	Yes	
MWM-10 S	5/26/2020	618.59	620.51	609.59	594.59	NP	0.00	4.35	2.43	616.16	4.93	21.57	Yes	
MWM-10 S	5/24/2021	618.59	620.51	609.59	594.59	NP	0.00	3.69	1.77	616.82	0.66	22.23	Yes	
MWM-10 D	7/31/2009	618.86	620.82	566.87	561.87		0.00							
MWM-10 D	10/11/2009	618.86	620.82	566.87	561.87	NP	0.00	10.89	8.94	609.93	NA	48.06	Yes	
MWM-10 D	4/28/2010	618.86	620.82	566.87	561.87	NP	0.00	10.99	9.04	609.83	-0.10	47.96	Yes	
MWM-10 D	10/25/2010	618.86	620.82	566.87	561.87	NP	0.00	9.92	7.97	610.90	1.07	49.03	Yes	
MWM-10 D	4/25/2011	618.86	620.82	566.87	561.87	NP	0.00	10.32	8.37	610.50	-0.40	48.63	Yes	
MWM-10 D	10/11/2011	618.86	620.82	566.87	561.87	NP	0.00	10.57	8.62	610.25	-0.25	48.38	Yes	
MWM-10 D	1/4/2012	618.86	620.82	566.87	561.87	NP	0.00	11.63	9.68	609.19	-1.06	47.32	Yes	
MWM-10 D	4/16/2012	618.86	620.82	566.87	561.87	NP	0.00	11.22	9.27	609.60	0.41	47.73	Yes	
MWM-10 D	6/28/2012	618.86	620.82	566.87	561.87	NP	0.00	8.93	6.98	611.89	2.29	50.02	Yes	
MWM-10 D	9/30/2012	618.86	620.82	566.87	561.87	NP	0.00	11.41	9.46	609.41	-2.48	47.54	Yes	
MWM-10 D	12/17/2012	618.86	620.82	566.87	561.87	NP	0.00	11.77	9.82	609.05	-0.36	47.18	Yes	
MWM-10 D	3/25/2013	618.86	620.82	566.87	561.87	NP	0.00	12.46	10.51	608.36	-0.69	46.49	Yes	
MWM-10 D	5/5/2013	618.86	620.82	566.87	561.87	NP	0.00	11.02	9.07	609.80	1.44	47.93	Yes	
MWM-10 D	10/1/2013	618.86	620.82	566.87	561.87	NP	0.00	11.21	9.26	609.61	-0.19	47.74	Yes	
MWM-10 D	5/21/2014	618.86	620.82	566.87	561.87	NP	0.00	9.04	7.09	611.78	2.17	49.91	Yes	
MWM-10 D	10/30/2014	618.86	620.82	566.87	561.87	NP	0.00	9.66	7.71	611.16	-0.62	49.29	Yes	
MWM-10 D	5/5/2015	618.86	620.82	566.87	561.87	NP	0.00	10.64	8.69	610.18	-0.98	48.31	Yes	
MWM-10 D	10/6/2015	618.86	620.82	566.87	561.87	NP	0.00	9.50	7.55	611.32	1.14	49.45	Yes	
MWM-10 D	5/23/2016	618.86	620.82	566.87	561.87	NP	0.00	8.74	6.79	612.08	0.76	50.21	Yes	
MWM-10 D	10/3/2016	618.86	620.82	566.87	561.87	NP	0.00	9.38	7.43	611.44	-0.64	49.57	Yes	
MWM-10 D	6/14/2017	618.86	620.82	566.87	561.87	NP	0.00	8.65	6.70	612.17	0.73	50.30	Yes	
MWM-10 D	10/3/2017	618.86	620.82	566.87	561.87	NP	0.00	7.78	5.83	613.04	0.87	51.17	Yes	
MWM-10 D	6/18/2018	618.86	620.82	566.87	561.87	NP	0.00	8.90	6.95	611.92	-1.12	50.05	Yes	
MWM-10 D	6/27/2018	618.86	620.82	566.87	561.87	NP	0.00	8.99	7.04	611.83	-0.09	49.96	Yes	
MWM-10 D	10/8/2018	618.86	620.82	566.87	561.87	NP	0.00	9.58	7.63	611.24	-0.59	49.37	Yes	
MWM-10 D	6/3/2019	618.86	620.82	566.87	561.87	NP	0.00	8.44	6.49	612.38	1.14	50.51	Yes	
MWM-10 D	10/3/2019	618.86	620.82	566.87	561.87	NP	0.00	9.22	7.27	611.60	-0.78	49.73	Yes	
MWM-10 D	5/26/2020	618.86	620.82	566.87	561.87	NP	0.00	8.67	6.72	612.15	0.55	50.28	Yes	
MWM-10 D	10/5/2020	618.86	620.82	566.87	561.87	NP	0.00	9.83	7.88	610.99	-1.16	49.12	Yes	
MWM-10 D	5/24/2021	618.86	620.82	566.87	561.87	NP	0.00	9.44	7.49	611.38	0.39	49.51	Yes	
MW-17	09/08/88	630.50	633.00	616.50	606.50	NP	0.00	19.26	16.76	613.74	NA	7.24	No	
MW-17	09/20/88	630.50	633.00	616.50	606.50	NP	0.00	19.74	17.24	613.26	-0.48	6.76	No	
MW-17	04/27/89	630.50	633.00	616.50	606.50	NP	0.00	19.28	16.78	613.72	0.46	7.22	No	
MW-17	05/18/89	630.50	633.00	616.50	606.50	NP	0.00	18.81	16.31	614.19	0.47	7.69	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-17	06/30/89	630.50	633.00	616.50	606.50	NP	0.00	18.10	15.60	614.90	0.71	8.40	No	
MW-17	07/12/89	630.50	633.00	616.50	606.50	NP	0.00	18.25	15.75	614.75	-0.15	8.25	No	
MW-17	07/26/89	630.50	633.00	616.50	606.50	NP	0.00	18.59	16.09	614.41	-0.34	7.91	No	
MW-17	07/27/89	630.50	633.00	616.50	606.50	NP	0.00	18.64	16.14	614.36	-0.05	7.86	No	
MW-17	09/03/89	630.50	633.00	616.50	606.50	NP	0.00	18.98	16.48	614.02	-0.34	7.52	No	
MW-17	11/28/89	630.50	633.00	616.50	606.50	NP	0.00	19.43	16.93	613.57	-0.45	7.07	No	
MW-17	06/01/90	630.50	633.00	616.50	606.50	NP	0.00	19.41	16.91	613.59	0.02	7.09	No	
MW-17	06/19/90	630.50	633.00	616.50	606.50	NP	0.00	19.28	16.78	613.72	0.13	7.22	No	
MW-17	06/27/90	630.50	633.00	616.50	606.50	NP	0.00	19.30	16.80	613.70	-0.02	7.20	No	
MW-17	07/05/90	630.50	633.00	616.50	606.50	NP	0.00	19.35	16.85	613.65	-0.05	7.15	No	
MW-17	07/17/90	630.50	633.00	616.50	606.50	NP	0.00	19.39	16.89	613.61	-0.04	7.11	No	
MW-17	07/25/90	630.50	633.00	616.50	606.50	NP	0.00	19.46	16.96	613.54	-0.07	7.04	No	
MW-17	08/09/90	630.50	633.00	616.50	606.50	NP	0.00	19.50	17.00	613.50	-0.04	7.00	No	
MW-17	08/27/90	630.50	633.00	616.50	606.50	NP	0.00	19.45	16.95	613.55	0.05	7.05	No	
MW-17	09/06/90	630.50	633.00	616.50	606.50	NP	0.00	19.18	16.68	613.82	0.27	7.32	No	
MW-17	01/04/91	630.50	633.00	616.50	606.50	NP	0.00	18.42	15.92	614.58	0.76	8.08	No	
MW-17	01/30/91	630.50	633.00	616.50	606.50	NP	0.00	18.93	16.43	614.07	-0.51	7.57	No	
MW-17	04/24/91	630.50	633.00	616.50	606.50	NP	0.00	18.95	16.45	614.05	-0.02	7.55	No	
MW-17	07/09/91	630.50	633.00	616.50	606.50	NP	0.00	15.95	13.45	617.05	3.00	10.55	Yes	
MW-17	10/08/91	630.50	633.00	616.50	606.50	NP	0.00	14.76	12.26	618.24	1.19	11.74	Yes	
MW-17	01/07/92	630.50	633.00	616.50	606.50	NP	0.00	15.44	12.94	617.56	-0.68	11.06	Yes	
MW-17	10/14/92	630.50	633.00	616.50	606.50	NP	0.00	15.61	13.11	617.39	-0.17	10.89	Yes	
MW-17	06/25/93	630.50	633.00	616.50	606.50	NP	0.00	11.52	9.02	621.48	4.09	14.98	Yes	
MW-17	10/28/93	630.50	633.00	616.50	606.50	NP	0.00	15.95	13.45	617.05	-4.43	10.55	Yes	
MW-17	01/29/94	630.50	633.00	616.50	606.50	NP	0.00	16.91	14.41	616.09	-0.96	9.59	No	
MW-17	04/27/94	630.50	633.00	616.50	606.50	NP	0.00	15.78	13.28	617.22	1.13	10.72	Yes	
MW-17	07/21/94	630.50	633.00	616.50	606.50	NP	0.00	15.58	13.08	617.42	0.20	10.92	Yes	
MW-17	10/25/94	630.50	633.00	616.50	606.50	NP	0.00	16.11	13.61	616.89	-0.53	10.39	Yes	
MW-17	10/28/94	630.50	633.00	616.50	606.50	NP	0.00	15.29	12.79	617.71	0.82	11.21	Yes	
MW-17	02/01/95	630.50	633.00	616.50	606.50	NP	0.00	17.71	15.21	615.29	-2.42	8.79	No	
MW-17	04/04/95	630.50	633.00	616.50	606.50	NP	0.00	17.75	15.25	615.25	-0.04	8.75	No	
MW-17	07/12/95	630.50	633.00	616.50	606.50	NP	0.00	16.69	14.19	616.31	1.06	9.81	No	
MW-17	11/13/95	630.50	633.00	616.50	606.50	NP	0.00	15.17	12.67	617.83	1.52	11.33	Yes	
MW-17	03/13/96	630.50	633.00	616.50	606.50	NP	0.00	17.47	14.97	615.53	-2.30	9.03	No	
MW-17	04/22/96	630.50	633.00	616.50	606.50	NP	0.00	15.30	12.80	617.70	2.17	11.20	Yes	
MW-17	10/08/96	630.50	633.00	616.50	606.50	NP	0.00	14.35	11.85	618.65	0.95	12.15	Yes	
MW-17	04/29/97	630.50	633.00	616.50	606.50	NP	0.00	13.02	10.52	619.98	1.33	13.48	Yes	
MW-17	11/03/98	630.50	633.00	616.50	606.50	NP	0.00	17.69	15.19	615.31	-4.67	8.81	No	
MW-17	03/02/99	630.50	633.00	616.50	606.50	NP	0.00	17.89	15.39	615.11	-0.20	8.61	No	
MW-17	04/26/00	630.50	633.00	616.50	606.50	NP	0.00	16.53	14.03	616.47	1.36	9.97	No	
MW-17	10/10/00	630.50	633.00	616.50	606.50	NP	0.00	12.03	9.53	620.97	4.50	14.47	Yes	
MW-17	04/24/01	630.50	633.00	616.50	606.50	NP	0.00	17.01	14.51	615.99	-4.98	9.49	No	
MW-17	10/23/01	630.50	633.00	616.50	606.50	NP	0.00	17.52	15.02	615.48	-0.51	8.98	No	
MW-17	01/22/02	630.50	633.00	616.50	606.50	NP	0.00	18.26	15.76	614.74	-0.74	8.24	No	
MW-17	02/26/02	630.50	633.00	616.50	606.50	NP	0.00	18.35	15.85	614.65	-0.09	8.15	No	

Table 4
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-17	03/20/02	630.50	633.00	616.50	606.50	NP	0.00	18.54	16.04	614.46	-0.28	#VALUE!	No	
MW-17	04/23/02	630.50	633.00	615.50	606.50	NP	0.00	19.95	17.45	613.05	-1.41	6.55	No	
MW-17	05/15/02	630.50	633.00	615.50	606.50	NP	0.00	16.84	14.34	616.16	3.11	9.66	Yes	
MW-17	08/20/02	630.50	633.00	615.50	606.50	NP	0.00	16.78	14.28	616.22	0.06	9.72	Yes	
MW-17	09/30/02	630.50	633.00	615.50	606.50	NP	0.00	16.49	13.99	616.51	0.29	10.01	Yes	
MW-17	11/05/02	630.50	633.00	615.50	606.50	NP	0.00	15.95	13.45	617.05	0.54	10.55	Yes	
MW-17	12/23/02	630.50	633.00	615.50	606.50	NP	0.00	17.39	14.89	615.61	-1.44	9.11	Yes	
MW-17	01/28/03	630.50	633.00	615.50	606.50	NP	0.00	17.79	15.29	615.21	-0.40	8.71	No	
MW-17	02/19/03	630.50	633.00	615.50	606.50	NP	0.00	18.06	15.56	614.94	-0.27	8.44	No	
MW-17	04/17/03	630.50	633.00	615.50	606.50	NP	0.00	18.63	16.13	614.37	-0.57	7.87	No	
MW-17	06/10/03	630.50	633.00	615.50	606.50	NP	0.00	18.02	15.52	614.98	0.61	8.48	No	
MW-17	10/20/03	630.50	633.00	615.50	606.50	NP	0.00	18.57	16.07	614.43	-0.55	7.93	No	
MW-17	12/03/03	630.50	633.00	615.50	606.50	NP	0.00	19.12	16.62	613.88	-0.55	7.38	No	
MW-17	04/19/04	630.70	633.35	615.50	606.50	NP	0.00	19.57	16.92	613.78	-0.10	7.28	No	
MW-17	07/28/04	630.70	633.35	615.50	606.50	NP	0.00	17.74	15.09	615.61	1.83	9.11	Yes	
MW-17	11/16/04	630.70	633.35	615.50	606.50	NP	0.00	16.90	14.25	616.45	0.84	9.95	Yes	
MW-17	04/18/05	630.70	633.35	615.50	606.50	NP	0.00	17.25	14.60	616.10	-0.35	9.60	Yes	
MW-17	10/11/05	630.70	633.35	615.50	606.50	NP	0.00	16.25	13.60	617.10	1.00	10.60	Yes	
MW-17	05/23/06	630.70	633.35	615.50	606.50	NP	0.00	15.79	13.14	617.56	0.46	11.06	Yes	
MW-17	10/16/06	630.70	633.35	615.50	606.50	NP	0.00	17.06	14.41	616.29	-1.27	9.79	Yes	
MW-17	04/23/07	630.70	633.35	615.50	606.50	NP	0.00	18.53	15.88	614.82	-1.47	8.32	No	
MW-17	09/25/07	630.70	633.35	615.50	606.50	NP	0.00	18.39	15.74	614.96	0.14	8.46	No	
MW-17	05/01/08	630.70	633.35	615.50	606.50	NP	0.00	16.64	13.99	616.71	1.75	10.21	Yes	
MW-17	10/20/08	630.70	633.35	615.50	606.50	NP	0.00	14.98	12.33	618.37	1.66	11.87	Yes	
MW-17	04/18/09	630.70	633.35	615.50	606.50	NP	0.00	16.23	13.58	617.12	-1.25	10.62	Yes	
MW-17	08/31/11	630.70	633.35	615.50	606.50	NP	0.00	14.89	12.24	618.46	1.34	11.96	Yes	
MW-17	10/10/11	630.70	633.35	615.50	606.50	NP	0.00	16.19	13.54	617.16	-1.30	10.66	Yes	
MW-17	01/04/12	630.70	633.35	615.50	606.50	NP	0.00	17.49	14.84	615.86	-1.30	9.36	Yes	
MW-17	04/16/12	630.70	633.35	615.50	606.50	NP	0.00	18.22	15.57	615.13	-0.73	8.63	No	
MW-17	06/26/12	630.70	633.35	615.50	606.50	NP	0.00	14.52	11.87	618.83	3.70	12.33	Yes	
MW-17	09/30/12	630.70	633.35	615.50	606.50	NP	0.00	17.27	14.62	616.08	-2.75	9.58	Yes	
MW-17	12/17/12	630.70	633.35	615.50	606.50	NP	0.00	17.98	15.33	615.37	-0.71	8.87	No	
MW-17	03/25/13	630.70	633.35	615.50	606.50	NP	0.00	19.39	16.74	613.96	-1.41	9.03	No	
MW-17	05/05/13	630.70	633.35	615.50	606.50	NP	0.00	18.58	15.93	614.77	0.81	9.61	No	
MW-17	10/03/13	630.70	633.35	615.50	606.50	NP	0.00	17.82	15.17	615.53	0.76	19.14	Yes	
MW-17	05/20/14							Broken and repaired on June 18th, TOC needs to be re-surveyed						
MW-17	07/14/14	630.70	632.88	615.50	606.50	-	-	-	-	-	-	-	-	
MW-17	07/30/14	630.70	632.88	615.50	606.50	NP	0.00	15.72	13.54	617.16	1.63	18.05	Yes	
MW-17	10/29/14	630.70	632.88	615.50	606.50	NP	0.00	15.71	13.53	617.17	0.01	19.04	Yes	
MW-17	05/06/15	630.70	632.88	615.50	606.50	NP	0.00	17.39	15.21	615.49	-1.68	16.80	No	
MW-17	10/05/15	630.70	632.88	615.50	606.50	NP	0.00	15.26	13.08	617.62	2.13	16.76	Yes	
MW-17	05/23/16	630.70	632.88	615.50	606.50	NP	0.00	13.30	11.12	619.58	1.96	15.99	Yes	
MW-17	10/03/16	630.70	632.88	615.50	606.50	NP	0.00	14.97	12.79	617.91	-1.67	17.70	Yes	
MW-17	06/29/17	630.70	632.88	615.50	606.50	NP	0.00	14.25	12.07	618.63	0.72	16.97	Yes	
MW-17	05/26/20	630.70	632.88	615.50	606.50	NP	0.00	13.64	11.46	619.24	0.61	19.30	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-17	05/24/21	630.70	632.88	615.50	606.50	NP	0.00	14.78	12.60	618.10	-1.14	18.30	Yes	
MW-31	06/30/89	633.20	635.20	614.50	604.50	NP	0.00	19.60	17.60	615.60	NA	11.10	Yes	
MW-31	07/12/89	633.20	635.20	614.50	604.50	NP	0.00	19.99	17.99	615.21	-0.39	10.71	Yes	
MW-31	07/26/89	633.20	635.20	614.50	604.50	NP	0.00	20.23	18.23	614.97	-0.24	10.47	Yes	
MW-31	07/27/89	633.20	635.20	614.50	604.50	NP	0.00	20.37	18.37	614.83	-0.14	10.33	Yes	
MW-31	09/03/89	633.20	635.20	614.50	604.50	NP	0.00	20.54	18.54	614.66	-0.17	10.16	Yes	
MW-31	11/29/89	633.20	635.20	614.50	604.50	NP	0.00	21.26	19.26	613.94	-0.72	9.44	No	
MW-31	12/01/89	633.20	635.20	614.50	604.50	NP	0.00	20.61	18.61	614.59	0.65	10.09	Yes	
MW-31	06/19/90	633.20	635.20	614.50	604.50	NP	0.00	20.46	18.46	614.74	0.15	10.24	Yes	
MW-31	06/27/90	633.20	635.20	614.50	604.50	NP	0.00	20.70	18.70	614.50	-0.24	10.00	No	
MW-31	07/05/90	633.20	635.20	614.50	604.50	NP	0.00	20.88	18.88	614.32	-0.18	9.82	No	
MW-31	07/13/90	633.20	635.20	614.50	604.50	NP	0.00	20.89	18.89	614.31	-0.01	9.81	No	
MW-31	07/17/90	633.20	635.20	614.50	604.50	NP	0.00	20.73	18.73	614.47	0.16	9.97	No	
MW-31	07/25/90	633.20	635.20	614.50	604.50	NP	0.00	20.94	18.94	614.26	-0.21	9.76	No	
MW-31	08/09/90	633.20	635.20	614.50	604.50	NP	0.00	20.96	18.96	614.24	-0.02	9.74	No	
MW-31	08/14/90	633.20	635.20	614.50	604.50	NP	0.00	21.01	19.01	614.19	-0.05	9.69	No	
MW-31	08/27/90	633.20	635.20	614.50	604.50	NP	0.00	20.67	18.67	614.53	0.34	10.03	Yes	
MW-31	09/06/90	633.20	635.20	614.50	604.50	NP	0.00	20.27	18.27	614.93	0.40	10.43	Yes	
MW-31	01/04/91	633.20	635.20	614.50	604.50	NP	0.00	20.19	18.19	615.01	0.08	10.51	Yes	
MW-31	01/30/91	633.20	635.20	614.50	604.50	NP	0.00	20.53	18.53	614.67	-0.34	10.17	Yes	
MW-31	04/24/91	633.20	635.20	614.50	604.50	NP	0.00	20.32	18.32	614.88	0.21	10.38	Yes	
MW-31	07/09/91	633.20	635.20	614.50	604.50	NP	0.00	17.12	15.12	618.08	3.20	13.58	Yes	
MW-31	10/08/91	633.20	635.20	614.50	604.50	NP	0.00	16.38	14.38	618.82	0.74	14.32	Yes	
MW-31	01/07/92	633.20	635.20	614.50	604.50	NP	0.00	17.24	15.24	617.96	-0.86	13.46	Yes	
MW-31	10/14/92	633.20	635.20	614.50	604.50	NP	0.00	17.60	15.60	617.60	-0.36	13.10	Yes	
MW-31	06/25/93	633.20	635.20	614.50	604.50	NP	0.00	14.07	12.07	621.13	3.53	16.63	Yes	
MW-31	10/28/93	633.20	635.20	614.50	604.50	NP	0.00	17.95	15.95	617.25	-3.88	12.75	Yes	
MW-31	01/29/94	633.20	635.20	614.50	604.50	NP	0.00	18.19	16.19	617.01	-0.24	12.51	Yes	
MW-31	04/27/94	633.20	635.20	614.50	604.50	NP	0.00	17.95	15.95	617.25	0.24	12.75	Yes	
MW-31	07/21/94	633.20	635.20	614.50	604.50	NP	0.00	17.47	15.47	617.73	0.48	13.23	Yes	
MW-31	10/25/94	633.20	635.20	614.50	604.50	NP	0.00	17.98	15.98	617.22	-0.51	12.72	Yes	
MW-31	10/28/94	633.20	635.20	614.50	604.50	NP	0.00	17.49	15.49	617.71	0.49	13.21	Yes	
MW-31	02/01/95	633.20	635.20	614.50	604.50	NP	0.00	20.39	18.39	614.81	-2.90	10.31	Yes	
MW-31	04/04/95	633.20	635.20	614.50	604.50	NP	0.00	20.03	18.03	615.17	0.36	10.67	Yes	
MW-31	07/12/95	633.20	635.20	614.50	604.50	NP	0.00	18.77	16.77	616.43	1.26	11.93	Yes	
MW-31	11/13/95	633.20	635.20	614.50	604.50	NP	0.00	17.13	15.13	618.07	1.64	13.57	Yes	
MW-31	03/13/96	633.20	635.20	614.50	604.50	NP	0.00	19.81	17.81	615.39	-2.68	10.89	Yes	
MW-31	04/22/96	633.20	635.20	614.50	604.50	NP	0.00	17.43	15.43	617.77	2.38	13.27	Yes	
MW-31	10/08/96	633.20	635.20	614.50	604.50	NP	0.00	16.56	14.56	618.64	0.87	14.14	Yes	
MW-31	04/29/97	633.20	635.20	614.50	604.50	NP	0.00	15.30	13.30	619.90	1.26	15.40	Yes	
MW-31	11/03/98	633.20	635.20	614.50	604.50	NP	0.00	19.93	17.93	615.27	-4.63	10.77	Yes	
MW-31	03/02/99	633.20	635.20	614.50	604.50	NP	0.00	20.03	18.03	615.17	-0.10	10.67	Yes	
MW-31	04/26/00	633.20	635.20	614.50	604.50	NP	0.00	18.63	16.63	616.57	1.40	12.07	Yes	
MW-31	10/10/00	633.20	635.20	614.50	604.50	NP	0.00	19.83	17.83	615.37	-1.20	10.87	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-31	04/24/01	633.20	635.20	614.50	604.50	NP	0.00	18.94	16.94	616.26	0.89	11.76	Yes	
MW-31	10/23/01	633.20	635.20	614.50	604.50	NP	0.00	19.67	17.67	615.53	-0.73	11.03	Yes	
MW-31	04/23/02	633.20	635.20	614.50	604.50	NP	0.00	19.80	17.80	615.40	-0.13	10.90	Yes	
MW-31	11/05/02	633.20	635.20	614.50	604.50	NP	0.00	19.64	17.64	615.56	0.16	11.06	Yes	
MW-31	04/17/03	633.20	635.20	614.50	604.50	NP	0.00	20.90	18.90	614.30	-1.26	9.80	No	
MW-31	10/20/03	633.20	635.20	614.50	604.50	NP	0.00	20.59	18.59	614.61	0.31	10.11	Yes	
MW-31	04/19/04	633.17	635.11	614.50	604.50	NP	0.00	21.15	19.21	613.96	-0.65	9.46	No	
MW-31	11/16/04	633.17	635.11	614.50	604.50	NP	0.00	18.51	16.57	616.60	2.64	12.10	Yes	
MW-31	04/18/05	633.17	635.11	614.50	604.50	NP	0.00	18.79	16.85	616.32	-0.28	11.82	Yes	
MW-31	10/11/05	633.17	635.11	614.50	604.50	NP	0.00	18.18	16.24	616.93	0.61	12.43	Yes	
MW-31	05/23/06	633.17	635.11	614.50	604.50	NP	0.00	17.40	15.46	617.71	0.78	13.21	Yes	
MW-31	10/16/06	633.17	635.11	614.50	604.50	NP	0.00	19.59	17.65	615.52	-2.19	11.02	Yes	
MW-31	04/23/07	633.17	635.11	614.50	604.50	NP	0.00	20.33	18.39	614.78	-0.74	10.28	Yes	
MW-31	09/25/07	633.17	634.94	614.50	604.50	NP	0.00	19.95	18.18	614.99	0.21	10.49	Yes	
MW-31	05/01/08	633.17	634.94	614.50	604.50	NP	0.00	18.17	16.40	616.77	1.78	12.27	Yes	
MW-31	10/20/08	633.17	634.94	614.50	604.50	NP	0.00	16.24	14.47	618.70	1.93	14.20	Yes	
MW-31	04/18/09	633.17	634.94	614.50	604.50	NP	0.00	17.57	15.80	617.37	-1.33	12.87	Yes	
MW-31	10/11/09	633.17	634.94	614.50	604.50	NP	0.00	18.86	17.09	616.08	-1.29	11.58	Yes	
MW-31	04/28/10	633.17	634.94	614.50	604.50	NP	0.00	18.79	17.02	616.15	0.07	11.65	Yes	
MW-31	10/25/10	633.17	634.94	614.50	604.50	NP	0.00	16.76	14.99	618.18	2.03	13.68	Yes	
MW-31	04/25/11	633.17	634.94	614.50	604.50	NP	0.00	17.49	15.72	617.45	-0.73	12.95	Yes	
MW-31	10/10/11	633.17	634.94	614.50	604.50	NP	0.00	17.78	16.01	617.16	-0.29	12.66	Yes	
MW-31	01/04/12	633.17	634.94	614.50	604.50	NP	0.00	19.42	17.65	615.52	-1.64	11.02	Yes	
MW-31	04/16/12	633.17	634.94	614.50	604.50	NP	0.00	19.98	18.21	614.96	-0.56	10.46	Yes	
MW-31	06/26/12	633.17	634.94	614.50	604.50	NP	0.00	15.69	13.92	619.25	4.29	14.75	Yes	
MW-31	09/30/12	633.17	634.94	614.50	604.50	NP	0.00	19.09	17.32	615.85	-3.40	11.35	Yes	
MW-31	12/17/12	633.17	634.94	614.50	604.50	NP	0.00	19.89	18.12	615.05	-0.80	10.55	Yes	
MW-31	03/25/13	633.17	634.94	614.50	604.50	NP	0.00	20.84	19.07	614.10	-0.95	9.60	No	
MW-31	05/05/13	633.17	634.94	614.50	604.50	NP	0.00	19.83	18.06	615.11	1.01	10.61	Yes	
MW-31	10/03/13	633.17	634.94	614.50	604.50	NP	0.00	19.47	17.70	615.47	0.36	10.97	Yes	
MW-31	05/20/14	633.17	634.94	614.50	604.50	NP	0.00	16.60	14.83	618.34	2.87	13.84	Yes	
MW-31	10/31/14	633.17	634.94	614.50	604.50	NP	0.00	17.47	15.70	617.47	-0.87	12.97	Yes	
MW-31	05/04/15	633.17	634.94	614.50	604.50	NP	0.00	19.26	17.49	615.68	-1.79	11.18	Yes	
MW-31	10/05/15	633.17	634.94	614.50	604.50	NP	0.00	16.93	15.16	618.01	2.33	13.51	Yes	
MW-31	05/23/16	633.17	634.94	614.50	604.50	NP	0.00	14.91	13.14	620.03	2.02	15.53	Yes	
MW-31	10/03/16	633.17	634.94	614.50	604.50	NP	0.00	16.54	14.77	618.40	-1.63	13.90	Yes	
MW-31	06/29/17	633.17	634.94	614.50	604.50	NP	0.00	15.90	14.13	619.04	0.64	14.54	Yes	
MW-31	05/26/20	633.17	634.94	614.50	604.50	NP	0.00	15.14	13.37	619.80	0.76	15.30	Yes	
MW-31	05/24/21	633.17	634.94	614.50	604.50	NP	0.00	16.73	14.96	618.21	-1.59	13.71	Yes	
MW-32	08/06/91	631.30	634.08	617.18	607.18	15.43	0.55	15.98	12.77	618.10	NA	11.47	Yes	
MW-32	09/04/91	631.30	634.08	617.18	607.18	15.91	0.25	16.16	13.19	617.92	-0.18	10.99	Yes	
MW-32	10/08/91	631.30	634.08	617.18	607.18	15.26	0.22	15.48	12.53	618.60	0.68	11.64	Yes	
MW-32	11/08/91	631.30	634.08	617.18	607.18	15.92	0.17	16.09	13.18	617.99	-0.61	10.98	Yes	
MW-32	12/03/91	631.30	634.08	617.18	607.18	13.97	0.05	14.02	11.20	620.06	2.07	12.93	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-32	01/07/92	631.30	634.08	617.18	607.18	16.06	0.28	16.34	13.34	617.74	-2.32	10.84	Yes	
MW-32	02/04/92	631.30	634.08	617.18	607.18	16.95	0.65	17.60	14.32	616.48	-1.26	9.95	No	
MW-32	03/03/92	631.30	634.08	617.18	607.18	17.40	0.92	18.32	14.83	615.76	-0.72	9.50	No	
MW-32	09/24/92	631.30	634.08	617.18	607.18	15.10	0.70	15.80	12.48	618.28	2.52	11.80	Yes	
MW-32	10/14/92	631.30	634.08	617.18	607.18	16.56	0.06	16.62	13.79	617.46	-0.82	10.34	Yes	
MW-32	06/25/93	631.30	634.08	617.18	607.18	12.24	0.00	12.24	9.46	621.84	4.38	14.66	Yes	
MW-32	10/28/93	631.30	634.08	617.18	607.18	17.15	0.66	17.81	14.52	616.27	-5.57	9.75	No	
MW-32	01/29/94	631.30	634.08	617.18	607.18	17.66	1.44	19.10	15.21	614.98	-1.29	9.24	No	
MW-32	04/27/94	631.30	634.08	617.18	607.18	16.73	0.00	16.73	13.95	617.35	2.37	10.17	Yes	
MW-32	07/21/94	631.30	634.08	617.18	607.18	15.92	1.83	17.75	13.55	616.33	-1.02	10.98	No	
MW-32	10/25/94	631.30	634.08	617.18	607.18	16.61	1.12	17.73	14.08	616.35	0.02	10.29	No	
MW-32	02/01/95	631.30	634.08	617.18	607.18	17.82	2.61	20.43	15.63	613.65	-2.70	9.08	No	
MW-32	04/04/95	631.30	634.08	617.18	607.18	18.31	1.74	20.05	15.92	614.03	0.38	8.59	No	
MW-32	07/12/95	631.30	634.08	617.18	607.18	17.38	1.60	18.98	14.96	615.10	1.07	9.52	No	
MW-32	11/13/95	631.30	634.08	617.18	607.18	15.58	1.72	17.30	13.19	616.78	1.68	11.32	No	
MW-32	03/13/96	631.30	634.08	617.18	607.18	18.00	2.59	20.59	15.80	613.49	-3.29	8.90	No	
MW-32	10/08/96	631.30	634.08	617.18	607.18	14.47	3.21	17.68	12.42	616.40	2.91	12.43	No	
MW-32	04/29/97	631.30	634.08	617.18	607.18	12.91	4.44	17.35	11.13	616.73	0.33	13.99	No	
MW-32	06/10/97	631.30	634.08	617.18	607.18	15.14	2.25	17.39	12.87	616.69	-0.04	11.76	No	
MW-32	11/03/98	631.30	634.08	617.18	607.18	18.24	2.96	21.20	16.13	612.88	-3.81	8.66	No	
MW-32	03/02/99	631.30	634.08	617.18	607.18	18.44	2.81	21.25	16.29	612.83	-0.05	8.46	No	
MW-32	10/07/99	631.30	634.08	617.18	607.18	14.22	3.34	17.56	12.19	616.52	3.69	12.68	No	
MW-32	11/09/99	631.30	634.08	617.18	607.18	13.85	3.81	17.66	11.93	616.42	-0.10	13.05	No	
MW-32	12/21/99	631.30	634.08	617.18	607.18	16.52	1.23	17.75	14.02	616.33	-0.09	10.38	No	
MW-32	01/27/00	631.30	634.08	617.18	607.18	17.22	2.78	20.00	15.07	614.08	-2.25	9.68	No	
MW-32	02/24/00	631.30	634.08	617.18	607.18	17.70	3.05	20.75	15.61	613.33	-0.75	9.20	No	
MW-32	03/31/00	631.30	634.08	617.18	607.18	17.44	2.24	19.68	15.17	614.40	1.07	9.46	No	
MW-32	04/26/00	631.30	634.08	617.18	607.18	17.27	0.90	18.17	14.69	615.91	1.51	9.63	No	
MW-32	05/31/00	631.30	634.08	617.18	607.18	17.28	0.98	18.26	14.72	615.82	-0.09	9.62	No	
MW-32	06/29/00	631.30	634.08	617.18	607.18	17.10	0.65	17.75	14.47	616.33	0.51	9.80	No	
MW-32	07/26/00	631.30	634.08	617.18	607.18	17.39	1.82	19.21	15.02	614.87	-1.46	9.51	No	
MW-32	08/18/00	631.30	634.08	617.18	607.18	17.58	1.76	19.34	15.20	614.74	-0.13	9.32	No	
MW-32	09/27/00	631.30	634.08	617.18	607.18	17.90	3.02	20.92	15.80	613.16	-1.58	9.00	No	
MW-32	10/11/00	631.30	634.08	617.18	607.18	17.00	4.25	21.25	15.18	612.83	-0.33	9.90	No	
MW-32	12/12/00	631.30	634.08	617.18	607.18	17.89	2.13	20.02	15.59	614.06	1.23	9.01	No	
MW-32	01/18/01	631.30	634.08	617.18	607.18	18.47	2.14	20.61	16.17	613.47	-0.59	8.43	No	
MW-32	04/24/01	631.30	634.08	617.18	607.18	17.66	2.33	19.99	15.41	614.09	0.62	9.24	No	
MW-32	05/23/01	631.30	634.08	617.18	607.18	16.38	0.60	16.98	13.74	617.10	3.01	10.52	No	
MW-32	06/19/01	631.30	634.08	617.18	607.18	16.41	1.11	17.52	13.88	616.56	-0.54	10.49	No	
MW-32	07/26/01	631.30	634.08	617.18	607.18	17.32	2.56	19.88	15.12	614.20	-2.36	9.58	No	
MW-32	08/31/01	631.30	634.08	617.18	607.18	17.64	2.84	20.48	15.50	613.60	-0.60	9.26	No	
MW-32	09/26/01	631.30	634.08	617.18	607.18	17.88	2.98	20.86	15.77	613.22	-0.38	9.02	No	
MW-32	10/24/01	631.30	634.08	617.18	607.18	18.00	3.11	21.11	15.92	612.97	-0.25	8.90	No	
MW-32	12/20/01	631.30	634.08	617.18	607.18	18.22	3.15	21.37	16.15	612.71	-0.26	8.68	No	
MW-32	01/22/02	631.30	634.08	617.18	607.18	17.45	4.08	21.53	15.59	612.55	-0.16	9.45	No	

Table 4
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-32	02/26/02	631.30	634.08	617.18	607.18	19.91	1.77	21.68	17.53	612.40	-0.15	6.99	No	
MW-32	03/20/02	631.30	634.08	617.18	607.18	19.09	2.86	21.95	16.96	612.13	-0.42	7.81	No	
MW-32	04/24/02	631.30	634.08	617.18	607.18	18.42	2.63	21.05	16.23	613.03	0.90	8.48	No	
MW-32	05/15/02	631.30	634.08	617.18	607.18	17.75	2.13	19.88	15.45	614.20	1.17	9.15	No	
MW-32	06/27/02	631.30	634.08	617.18	607.18	17.63	2.00	19.63	15.30	614.45	0.25	9.27	No	
MW-32	07/25/02	631.30	634.08	617.18	607.18	17.68	1.64	19.32	15.27	614.76	0.31	9.22	No	
MW-32	08/20/02	631.30	634.08	617.18	607.18	17.52	1.39	18.91	15.05	615.17	0.41	9.38	No	
MW-32	09/30/02	631.30	634.08	617.18	607.18	17.28	0.46	17.74	14.60	616.34	1.17	9.62	No	
MW-32	11/05/02	631.30	634.08	617.18	607.18	16.75	0.80	17.55	14.15	616.53	0.19	10.15	No	
MW-32	12/23/02	631.30	634.08	617.18	607.18	17.75	2.97	20.72	15.64	613.36	-3.17	9.15	No	
MW-32	01/28/03	631.30	634.08	617.18	607.18	18.37	3.11	21.48	16.29	612.60	-0.76	8.53	No	
MW-32	02/19/03	631.30	634.08	617.18	607.18	18.63	3.13	21.76	16.56	612.32	-0.28	8.27	No	
MW-32	04/17/03	631.30	634.08	617.18	607.18	19.22	3.06	22.28	17.13	611.80	-0.52	7.68	No	
MW-32	05/15/03	631.30	634.08	617.18	607.18	19.11	3.04	22.15	17.02	611.93	0.13	7.79	No	
MW-32	06/10/03	631.30	634.08	617.18	607.18	18.68	2.44	21.12	16.45	612.96	1.03	8.22	No	
MW-32	10/23/03	631.30	634.08	617.18	607.18	19.15	2.95	22.10	17.04	611.98	-0.98	7.75	No	
MW-32	12/03/03	631.30	634.08	617.18	607.18	19.28	3.13	22.41	17.21	611.67	-0.31	7.62	No	
MW-32	04/19/04	631.31	634.31	617.18	607.18	19.73	2.97	22.70	17.40	611.61	-0.06	7.40	No	
MW-32	07/28/04	631.31	634.31	617.18	607.18	18.48	2.12	20.60	15.96	613.71	2.10	8.65	No	
MW-32	11/15/04	631.31	634.31	617.18	607.18	17.17	0.41	17.58	14.26	616.73	3.02	9.96	No	
MW-32	04/18/05	631.31	634.31	617.18	607.18	17.88	1.20	19.08	15.15	615.23	-1.50	9.25	No	
MW-32	09/09/05	631.31	634.31	617.18	607.18	20.37	1.70	22.07	17.75	612.24	-2.99	6.76	No	
MW-32	10/11/05	631.31	634.31	617.18	607.18	17.51	1.07	18.58	14.75	615.73	3.49	9.62	No	
MW-32	05/23/06	631.31	634.31	617.18	607.18	16.47	0.64	17.11	13.61	617.20	1.47	10.66	Yes	
MW-32	10/16/06	631.31	634.31	617.18	607.18	18.36	2.75	21.11	15.98	613.20	-4.00	8.77	No	
MW-32	04/23/07	631.31	634.31	617.18	607.18	19.25	2.78	22.03	16.88	612.28	-0.92	7.88	No	
MW-32	09/25/07	631.31	634.14	617.18	607.18	19.22	2.98	22.20	17.06	611.94	-0.34	7.74	No	
MW-32	05/01/08	631.31	634.14	617.18	607.18	NP	0.00	17.39	14.56	616.75	4.81	9.57	No	
MW-32	10/20/08	631.31	634.14	617.18	607.18	15.92	1.40	17.32	13.41	616.82	0.07	11.04	No	
MW-32	04/18/09	631.31	634.14	617.18	607.18	NP	0.00	17.35	14.52	616.79	-0.03	9.61	No	
MW-32	08/31/11	631.31	634.14	617.18	607.18	15.63	1.79	17.42	13.20	616.72	-0.07	11.33	No	
MW-32	10/10/11	631.31	634.14	617.18	607.18	17.22	0.81	18.03	14.57	616.11	-0.61	9.74	No	
MW-32	01/04/12	631.31	634.14	617.18	607.18	18.26	2.94	21.20	16.09	612.94	-3.17	8.70	No	
MW-32	04/05/12	631.31	634.14	617.18	607.18	19.08	2.97	22.05	16.92	612.09	-0.85	7.88	No	
MW-32	04/05/12	631.31	634.14	617.18	607.18	19.47	1.13	20.60	16.90	613.54	1.45	7.49	No	
MW-32	04/16/12	631.31	634.14	617.18	607.18	19.08	2.95	22.03	16.92	612.11	-1.43	7.88	No	
MW-32	06/26/12	631.31	634.14	617.18	607.18	14.99	2.23	17.22	12.66	616.92	4.81	11.97	No	
MW-32	09/28/12	631.31	634.14	617.18	607.18	18.15	2.24	20.39	15.83	613.75	-3.17	8.81	No	
MW-32	09/28/12	631.31	634.14	617.18	607.18	18.45	0.79	19.24	15.80	614.90	1.15	8.51	No	
MW-32	09/30/12	631.31	634.14	617.18	607.18	18.11	2.23	20.34	15.78	613.80	-1.10	8.85	No	
MW-32	11/21/12	631.31	634.14	617.18	607.18	18.57	2.83	21.40	16.38	612.74	-1.06	8.39	No	
MW-32	12/17/12	631.31	634.14	617.18	607.18	18.78	2.95	21.73	16.62	612.41	-0.33	8.18	No	
MW-32	03/25/13	631.31	634.14	617.18	607.18	19.52	3.42	22.94	17.46	611.20	-1.21	7.44	No	
MW-32	05/05/13	631.31	634.14	617.18	607.18	19.32	2.75	22.07	17.11	612.07	0.87	7.64	No	
MW-32	10/03/13	631.31	634.14	617.18	607.18	18.75	2.28	21.03	16.43	613.11	1.04	8.21	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-32	05/22/14	631.31	634.14	617.18	607.18	16.34	0.85	17.19	13.70	616.95	3.84	10.62	No	
MW-32	06/18/14	631.31	634.14	617.18	607.18	15.61	1.96	17.57	13.22	616.57	-0.38	11.35	No	
MW-32	10/31/14	631.31	634.14	617.18	607.18	17.00	0.25	17.25	14.23	616.89	0.32	9.96	No	
MW-32	05/06/15	631.31	634.14	617.18	607.18	18.32	2.44	20.76	16.04	613.38	-3.51	8.64	No	
MW-32	09/10/15	631.31	634.14	617.18	607.18	17.73	1.07	18.80	15.14	615.34	1.96	9.23	No	
MW-32	09/14/15	631.31	634.14	617.18	607.18	17.66	0.65	18.31	14.98	615.83	0.49	9.30	No	
MW-32	10/01/15	631.31	634.14	617.18	607.18	16.92	0.21	17.13	14.14	617.01	1.18	10.04	No	
MW-32	10/05/15	631.31	634.14	617.18	607.18	16.73	0.40	17.13	13.99	617.01	0.00	10.23	No	
MW-32	10/29/15	631.31	634.14	617.18	607.18	17.17	0.37	17.54	14.42	616.60	-0.41	9.79	No	
MW-32	04/11/16	631.31	634.14	617.18	607.18	13.86	3.71	17.57	11.87	616.57	-0.03	13.10	No	
MW-32	05/23/16							pump obstruction						
MW-32	07/15/16	631.31	634.14	617.18	607.18	14.11	3.24	17.35	12.01	616.79	0.22	12.85	No	
MW-32	07/21/16	631.31	634.14	617.18	607.18	13.61	3.71	17.32	11.62	616.82	0.03	13.35	No	
MW-32	07/25/16	631.31	634.14	617.18	607.18	14.56	1.69	16.25	12.11	617.89	1.07	12.40	Yes	
MW-32	08/01/16	631.31	634.14	617.18	607.18	15.02	2.12	17.14	12.67	617.00	-0.89	11.94	No	
MW-32	8/9/2016	631.31	634.14	617.18	607.18	15.22	1.98	17.20	12.84	616.94	-0.06	11.74	No	
MW-32	08/18/16	631.31	634.14	617.18	607.18	15.55	1.60	17.15	13.08	616.99	0.05	11.41	No	
MW-32	08/26/16	631.31	634.14	617.18	607.18	16.10	0.99	17.09	13.49	617.05	0.06	10.86	No	
MW-32	10/03/16	631.31	634.14	617.18	607.18	16.16	0.94	17.10	13.54	617.04	-0.01	10.80	No	
MW-32	05/02/17	631.31	634.14	617.18	607.18	14.86	2.38	17.24	12.57	616.90	-0.14	12.10	No	
MW-32	05/31/17	631.31	634.14	617.18	607.18	12.56	4.22	16.78	10.68	617.36	0.46	14.40	Yes	
MW-32	06/14/17	631.31	634.14	617.18	607.18	14.40	1.58	15.98	11.93	618.16	0.80	12.56	Yes	
MW-32	06/29/17	631.31	634.14	617.18	607.18	15.27	1.57	16.84	12.79	617.30	-0.86	11.69	Yes	
MW-32	7/7/2017	631.31	634.14	617.18	607.18	14.84	1.87	16.71	12.43	617.43	0.13	12.12	Yes	
MW-32	07/12/17	631.31	634.14	617.18	607.18	14.40	2.28	16.68	12.08	617.46	0.03	12.56	Yes	
MW-32	7/19/2017	631.31	634.14	617.18	607.18	14.33	2.36	16.69	12.03	617.45	-0.01	12.63	Yes	
MW-32	07/26/17	631.31	634.14	617.18	607.18	14.37	1.84	16.21	11.96	617.93	0.48	12.59	Yes	
MW-32	7/27/2017	631.31	634.14	617.18	607.18	14.53	1.83	16.36	12.11	617.78	-0.15	12.43	Yes	
MW-32	08/04/17	631.31	634.14	617.18	607.18	15.01	1.49	16.50	12.52	617.64	-0.14	11.95	Yes	
MW-32	8/8/2017	631.31	634.14	617.18	607.18	15.10	1.30	16.40	12.56	617.74	0.10	11.86	Yes	
MW-32	08/15/17	631.31	634.14	617.18	607.18	14.28	1.34	15.62	11.75	618.52	0.78	12.68	Yes	
MW-32	8/30/2017	631.31	634.14	617.18	607.18	12.12	3.80	15.92	10.15	618.22	-0.30	14.84	Yes	
MW-32	09/07/17	631.31	634.14	617.18	607.18	12.06	2.24	14.30	9.74	619.84	1.62	14.90	Yes	
MW-32	9/19/2017	631.31	634.14	617.18	607.18	14.05	1.12	15.17	11.47	618.97	-0.87	12.91	Yes	
MW-32	09/27/17	631.31	634.14	617.18	607.18	14.09	1.36	15.45	11.57	618.69	-0.28	12.87	Yes	
MW-32	10/12/2017	631.31	634.14	617.18	607.18	12.22	1.27	13.49	9.68	620.65	1.96	14.74	Yes	
MW-32	10/26/17	631.31	634.14	617.18	607.18	12.94	0.55	13.49	10.23	620.65	0.00	14.02	Yes	
MW-32	05/14/18	631.31	634.14	617.18	607.18	NP	0.00	17.50	14.67	616.64	-4.01	9.46	No	
MW-32	05/23/18	631.31	634.14	617.18	607.18	17.59	0.22	17.81	14.81	616.33	-0.31	9.37	No	Pump not re-installed into well
MW-32	05/24/18	631.31	634.14	617.18	607.18	17.58	0.12	17.70	14.78	616.44	0.11	9.38	No	
MW-32	05/30/18	631.31	634.14	617.18	607.18	NP	0.00	17.25	14.42	616.89	0.45	9.71	No	
MW-32	07/03/18	631.31	634.14	617.18	607.18	15.99	0.96	16.95	13.38	617.19	0.30	10.97	Yes	
MW-32	07/10/18	631.31	634.14	617.18	607.18	16.86	1.05	17.91	14.27	616.23	-0.96	10.10	No	
MW-32	07/25/18	631.31	634.14	617.18	607.18	16.59	0.46	17.05	13.86	617.09	0.86	10.37	No	

Table 4
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-32	08/08/18	631.31	634.14	617.18	607.18	17.10	0.10	17.20	14.29	616.94	-0.15	9.86	No	
MW-32	08/16/18	631.31	634.14	617.18	607.18	17.35	0.50	17.85	14.63	616.29	-0.65	9.61	No	
MW-32	10/02/18	631.31	634.14	617.18	607.18	NP	0.00	17.12	14.29	617.02	0.73	9.84	No	
MW-32	10/16/18	631.31	634.14	617.18	607.18	15.70	1.12	16.82	13.12	617.32	0.30	11.26	Yes	
MW-32	10/22/18	631.31	634.14	617.18	607.18	15.71	1.20	16.91	13.15	617.23	-0.09	11.25	Yes	
MW-32	10/29/18	631.31	634.14	617.18	607.18	15.85	1.01	16.86	13.25	617.28	0.05	11.11	Yes	
MW-32	05/02/19	631.31	634.14	617.18	607.18	NP	0.00	16.72	13.89	617.42	0.14	10.24	Yes	
MW-32	5/14/2019	631.31	634.14	617.18	607.18	15.22	1.80	17.02	12.80	617.12	-0.30	11.74	No	
MW-32	5/22/2019	631.31	634.14	617.18	607.18	14.08	2.87	16.95	11.90	617.19	0.07	12.88	Yes	
MW-32	5/28/2019	631.31	634.14	617.18	607.18	13.58	3.51	17.09	11.54	617.05	-0.14	13.38	No	
MW-32	6/13/2019	631.31	634.14	617.18	607.18	13.89	3.14	17.03	11.77	617.11	0.06	13.07	No	
MW-32	6/24/2019	631.31	634.14	617.18	607.18	14.94	2.05	16.99	12.57	617.15	0.04	12.02	No	
MW-32	7/3/2019	631.31	634.14	617.18	607.18	14.64	2.42	17.06	12.36	617.08	-0.07	12.32	No	
MW-32	7/25/2019	631.31	634.14	617.18	607.18	16.25	0.90	17.15	13.62	616.99	-0.09	10.71	No	
MW-32	8/5/2019	631.31	634.14	617.18	607.18	16.50	0.63	17.13	13.81	617.01	0.02	10.46	No	
MW-32	8/14/2019	631.31	634.14	617.18	607.18	17.04	0.38	17.42	14.30	616.72	-0.29	9.92	No	
MW-32	8/28/2019	631.31	634.14	617.18	607.18	17.21	0.43	17.64	14.48	616.50	-0.22	9.75	No	
MW-32	9/12/2019	631.31	634.14	617.18	607.18	NP	0.00	17.23	14.40	616.91	0.41	9.73	No	
MW-32	9/25/2019	631.31	634.14	617.18	607.18	16.31	0.65	16.96	13.63	617.18	0.27	10.65	No	
MW-32	10/8/2019	631.31	634.14	617.18	607.18	14.79	2.24	17.03	12.47	617.11	-0.07	12.17	No	
MW-32	5/26/2020	631.31	634.14	617.18	607.18	14.19	2.96	17.15	12.03	616.99	-0.12	12.77	No	
MW-32	4/22/2020	631.31	634.14	617.18	607.18	12.54	4.57	17.11	10.74	617.03	0.04	14.42	No	
MW-32	4/30/2020	631.31	634.14	617.18	607.18	12.79	4.31	17.10	10.93	617.04	0.01	14.17	No	
MW-32	5/11/2020	631.31	634.14	617.18	607.18	12.92	4.19	17.11	11.04	617.03	-0.01	14.04	No	
MW-32	5/26/2020	631.31	634.14	617.18	607.18	14.19	2.96	17.15	12.03	616.99	-0.04	12.77	No	
MW-32	6/11/2020	631.31	634.14	617.18	607.18	14.91	2.25	17.16	12.59	616.98	-0.01	12.05	No	
MW-32	6/22/2020	631.31	634.14	617.18	607.18	15.52	1.66	17.18	13.06	616.96	-0.02	11.44	No	
MW-32	7/6/2020	631.31	634.14	617.18	607.18	16.25	0.90	17.15	13.62	616.99	0.03	10.71	No	
MW-32	7/20/2020	631.31	634.14	617.18	607.18	16.24	0.93	17.17	13.62	616.97	-0.02	10.72	No	
MW-32	8/12/2020	631.31	634.14	617.18	607.18	15.83	1.30	17.13	13.29	617.01	0.04	11.13	No	
MW-32	8/25/2020	631.31	634.14	617.18	607.18	16.05	1.15	17.20	13.48	616.94	-0.07	10.91	No	
MW-32	9/8/2020	631.31	634.14	617.18	607.18	16.50	0.59	17.09	13.80	617.05	0.11	10.46	No	
MW-32	5/6/2021	631.31	634.14	617.18	607.18	16.35	0.68	17.03	13.67	617.11	0.06	10.61	No	0.1 gallon bailed
MW-32	5/13/2021	631.31	634.14	617.18	607.18	16.56	0.56	17.12	13.86	617.02	-0.09	10.40	No	0.1 gallon bailed
MW-32	5/19/2021	631.31	634.14	617.18	607.18	16.80	0.38	17.18	14.06	616.96	-0.06	10.16	No	
MW-32	5/24/2021	631.31	634.14	617.18	607.18	16.27	0.73	17.00	13.60	617.14	0.18	10.69	No	
MW-32	6/8/2021	631.31	634.14	617.18	607.18	16.65	0.59	17.24	13.95	616.90	-0.24	10.31	No	<0.1 gal bailed
MW-32	6/22/2021	631.31	634.14	617.18	607.18	17.09	0.30	17.39	14.33	616.75	-0.15	9.87	No	
MW-32	7/1/2021	631.31	634.14	617.18	607.18	16.97	0.32	17.29	14.21	616.85	0.10	9.99	No	
MW-32	7/12/2021	631.31	634.14	617.18	607.18	17.11	0.34	17.45	14.36	616.69	-0.16	9.85	No	
MW-32	7/27/2021	631.31	634.14	617.18	607.18	17.50	1.00	18.50	14.90	615.64	-1.05	9.46	No	<0.1 gal bailed
MW-32	8/3/2021	631.31	634.14	617.18	607.18	17.54	0.64	18.18	14.85	615.96	0.32	9.42	No	
MW-32	8/24/2021	631.31	634.14	617.18	607.18	17.86	1.16	19.02	15.29	615.12	-0.84	9.10	No	<0.1 gal bailed
MW-32	9/14/2021	631.31	634.14	617.18	607.18	17.98	1.36	19.34	15.46	614.80	-0.32	8.98	No	0.1 gallon bailed
MW-32	9/28/2021	631.31	634.14	617.18	607.18	17.86	1.29	19.15	15.32	614.99	0.19	9.10	No	0.2 gallons bailed

Table 4
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Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-32	10/19/2021	631.31	634.14	617.18	607.18	17.82	1.15	18.97	15.25	615.17	0.18	9.14	No	<0.1 gal bailed
MW-36S	7/26/2011	617.30	619.32	607.30	592.30	NP	0.00	7.71	5.69	611.61	NA	19.31	Yes	
MW-36S	10/11/2011	617.30	619.32	607.30	592.30	NP	0.00	8.74	6.72	610.58	-1.03	18.28	Yes	
MW-36S	1/4/2012	617.30	619.32	607.30	592.30	NP	0.00	9.59	7.57	609.73	-0.85	17.43	Yes	
MW-36S	4/16/2012	617.30	619.32	607.30	592.30	NP	0.00	8.33	6.31	610.99	1.26	18.69	Yes	
MW-36S	6/28/2012	617.30	619.32	607.30	592.30	NP	0.00	7.34	5.32	611.98	0.99	19.68	Yes	
MW-36S	9/30/2012	617.30	619.32	607.30	592.30	NP	0.00	9.58	7.56	609.74	-2.24	17.44	Yes	
MW-36S	12/17/2012	617.30	619.32	607.30	592.30	NP	0.00	9.62	7.60	609.70	-0.04	17.40	Yes	
MW-36S	3/25/2013	617.30	619.32	607.30	592.30	NP	0.00	10.39	8.37	608.93	-0.77	16.63	Yes	
MW-36S	5/5/2013	617.30	619.32	607.30	592.30	NP	0.00	8.68	6.66	610.64	1.71	18.34	Yes	
MW-36S	10/3/2013	617.30	619.32	607.30	592.30	NP	0.00	9.41	7.39	609.91	-0.73	17.61	Yes	
MW-36S	5/20/2014	617.30	619.32	607.30	592.30	NP	0.00	7.08	5.06	612.24	2.33	19.94	Yes	
MW-36S	10/31/2014	617.30	619.32	607.30	592.30	NP	0.00	8.08	6.06	611.24	-1.00	18.94	Yes	
MW-36S	5/4/2015	617.30	619.32	607.30	592.30	NP	0.00	8.52	6.50	610.80	-0.44	18.50	Yes	
MW-36S	10/5/2015	617.30	619.32	607.30	592.30	NP	0.00	7.69	5.67	611.63	0.83	19.33	Yes	
MW-36S	5/23/2016	617.30	619.32	607.30	592.30	NP	0.00	7.31	5.29	612.01	0.38	19.71	Yes	
MW-36S	10/3/2016	617.30	619.32	607.30	592.30	NP	0.00	7.78	5.76	611.54	-0.47	19.24	Yes	
MW-36S	10/8/2018	617.30	619.32	607.30	592.30	NP	0.00	7.61	5.59	611.71	0.17	19.41	Yes	
MW-36S	6/3/2019	617.30	619.32	607.30	592.30	NP	0.00	7.19	5.17	612.13	0.42	19.83	Yes	
MW-36S	5/26/2020	617.30	619.32	607.30	592.30	NP	0.00	7.31	5.29	612.01	-0.12	19.71	Yes	
MW-36S	5/24/2021	617.30	619.32	607.30	592.30	NP	0.00	7.24	5.22	612.08	0.07	19.78	Yes	
MW-36D	7/26/2011	617.00	619.07	567.00	562.00	NP	0.00	7.85	5.78	611.22	NA	49.22	Yes	
MW-36D	10/11/2011	617.00	619.07	567.00	562.00	NP	0.00	9.03	6.96	610.04	-1.18	48.04	Yes	
MW-36D	1/4/2012	617.00	619.07	567.00	562.00	NP	0.00	9.89	7.82	609.18	-0.86	47.18	Yes	
MW-36D	4/16/2012	617.00	619.07	567.00	562.00	NP	0.00	9.65	7.58	609.42	0.24	47.42	Yes	
MW-36D	6/28/2012	617.00	619.07	567.00	562.00	NP	0.00	7.58	5.51	611.49	2.07	49.49	Yes	
MW-36D	9/30/2012	617.00	619.07	567.00	562.00	NP	0.00	9.69	7.62	609.38	-2.11	47.38	Yes	
MW-36D	12/17/2012	617.00	619.07	567.00	562.00	NP	0.00	10.02	7.95	609.05	-0.33	47.05	Yes	
MW-36D	3/25/2013	617.00	619.07	567.00	562.00	NP	0.00	10.72	8.65	608.35	-0.70	46.35	Yes	
MW-36D	5/5/2013	617.00	619.07	567.00	562.00	NP	0.00	9.54	7.47	609.53	1.18	47.53	Yes	
MW-36D	10/1/2013	617.00	619.07	567.00	562.00	NP	0.00	9.52	7.45	609.55	0.02	47.55	Yes	
MW-36D	5/21/2014	617.00	619.07	567.00	562.00	NP	0.00	7.54	5.47	611.53	1.98	49.53	Yes	
MW-36D	10/30/2014	617.00	619.07	567.00	562.00	NP	0.00	8.02	5.95	611.05	-0.48	49.05	Yes	
MW-36D	5/5/2015	617.00	619.07	567.00	562.00	NP	0.00	8.99	6.92	610.08	-0.97	48.08	Yes	
MW-36D	10/7/2015	617.00	619.07	567.00	562.00	NP	0.00	7.96	5.89	611.11	1.03	49.11	Yes	
MW-36D	5/23/2016	617.00	619.07	567.00	562.00	NP	0.00	7.20	5.13	611.87	0.76	49.87	Yes	
MW-36D	10/3/2016	617.00	619.07	567.00	562.00	NP	0.00	7.69	5.62	611.38	-0.49	49.38	Yes	
MW-36D	6/14/2017	617.00	619.07	567.00	562.00	NP	0.00	7.07	5.00	612.00	0.62	50.00	Yes	
MW-36D	10/3/2017	617.00	619.07	567.00	562.00	NP	0.00	6.20	4.13	612.87	0.87	50.87	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-36D	6/18/2018	617.00	619.07	567.00	562.00	NP	0.00	7.35	5.28	611.72	-1.15	49.72	Yes	
MW-36D	6/27/2018	617.00	619.07	567.00	562.00	NP	0.00	7.45	5.38	611.62	-0.10	49.62	Yes	
MW-36D	10/8/2018	617.00	619.07	567.00	562.00	NP	0.00	7.84	5.77	611.23	-0.39	49.23	Yes	
MW-36D	6/3/2019	617.00	619.07	567.00	562.00	NP	0.00	6.93	4.86	612.14	0.91	50.14	Yes	
MW-36D	10/2/2019	617.00	619.07	567.00	562.00	NP	0.00	7.46	5.39	611.61	-0.53	49.61	Yes	
MW-36D	5/26/2020	617.00	619.07	567.00	562.00	NP	0.00	7.07	5.00	612.00	0.39	50.00	Yes	
MW-36D	10/5/2020	617.00	619.07	567.00	562.00	NP	0.00	8.07	6.00	611.00	-1.00	49.00	Yes	
MW-36D	5/24/2021	617.00	619.07	567.00	562.00	NP	0.00	7.82	5.75	611.25	0.25	49.25	Yes	
MW-36DD	10/10/2011	616.80	618.81	538.80	536.80	NP	0.00	8.52	6.51	610.29	NA	73.49	Yes	
MW-36DD	1/4/2012	616.80	618.81	538.80	536.80	NP	0.00	9.58	7.57	609.23	-1.06	72.43	Yes	
MW-36DD	4/16/2012	616.80	618.81	538.80	536.80	NP	0.00	9.41	7.40	609.40	0.17	72.60	Yes	
MW-36DD	6/28/2012	616.80	618.81	538.80	536.80	NP	0.00	7.24	5.23	611.57	2.17	74.77	Yes	
MW-36DD	9/30/2012	616.80	618.81	538.80	536.80	NP	0.00	9.34	7.33	609.47	-2.10	72.67	Yes	
MW-36DD	12/17/2012	616.80	618.81	538.80	536.80	NP	0.00	9.73	7.72	609.08	-0.39	72.28	Yes	
MW-36DD	3/25/2013	616.80	618.81	538.80	536.80	NP	0.00	10.40	8.39	608.41	-0.67	71.61	Yes	
MW-36DD	5/5/2013	616.80	618.81	538.80	536.80	NP	0.00	9.27	7.26	609.54	1.13	72.74	Yes	
MW-36DD	10/1/2013	616.80	618.81	538.80	536.80	NP	0.00	9.01	7.00	609.80	0.26	73.00	Yes	
MW-36DD	5/20/2014	616.80	618.81	538.80	536.80	NP	0.00	7.34	5.33	611.47	1.67	74.67	Yes	
MW-36DD	10/29/2014	616.80	618.81	538.80	536.80	NP	0.00	7.65	5.64	611.16	-0.31	74.36	Yes	
MW-36DD	5/4/2015	616.80	618.81	538.80	536.80	NP	0.00	8.72	6.71	610.09	-1.07	73.29	Yes	
MW-36DD	10/5/2015	616.80	618.81	538.80	536.80	NP	0.00	7.57	5.56	611.24	1.15	74.44	Yes	
MW-36DD	5/23/2016	616.80	618.81	538.80	536.80	NP	0.00	6.84	4.83	611.97	0.73	75.17	Yes	
MW-36DD	10/3/2016	616.80	618.81	538.80	536.80	NP	0.00	7.33	5.32	611.48	-0.49	74.68	Yes	
MW-36DD	6/18/2018	616.80	618.81	538.80	536.80	NP	0.00	7.08	5.07	611.73	0.25	74.93	Yes	
MW-36DD	10/8/2018	616.80	618.81	538.80	536.80	NP	0.00	7.55	5.54	611.26	-0.47	74.46	Yes	
MW-36DD	6/3/2019	616.80	618.81	538.80	536.80	NP	0.00	6.57	4.56	612.24	0.98	75.44	Yes	
MW-36DD	10/1/2019	616.80	618.81	538.80	536.80	NP	0.00	7.12	5.11	611.69	-0.55	74.89	Yes	
MW-36DD	5/26/2020	616.80	618.81	538.80	536.80	NP	0.00	6.67	4.66	612.14	0.45	75.34	Yes	
MW-36DD	5/24/2021	616.80	618.81	538.80	536.80	NP	0.00	7.53	5.52	611.28	-0.86	74.48	Yes	
MW-37S	7/26/2011	614.40	616.42	604.40	589.40	NP	0.00	5.62	3.60	610.80	NA	21.40	Yes	
MW-37S	10/11/2011	614.40	616.42	604.40	589.40	NP	0.00	6.56	4.54	609.86	-0.94	20.46	Yes	
MW-37S	1/4/2012	614.40	616.42	604.40	589.40	NP	0.00	7.32	5.30	609.10	-0.76	19.70	Yes	
MW-37S	4/16/2012	614.40	616.42	604.40	589.40	NP	0.00	5.12	3.10	611.30	2.20	21.90	Yes	
MW-37S	6/28/2012	614.40	616.42	604.40	589.40	NP	0.00	5.19	3.17	611.23	-0.07	21.83	Yes	
MW-37S	9/30/2012	614.40	616.42	604.40	589.40	NP	0.00	7.57	5.55	608.85	-2.38	19.45	Yes	
MW-37S	12/17/2012	614.40	616.42	604.40	589.40	NP	0.00	7.19	5.17	609.23	0.38	19.83	Yes	
MW-37S	3/25/2013	614.40	616.42	604.40	589.40	NP	0.00	7.99	5.97	608.43	-0.80	19.03	Yes	
MW-37S	5/5/2013	614.40	616.42	604.40	589.40	NP	0.00	5.94	3.92	610.48	2.05	21.08	Yes	
MW-37S	10/3/2013	614.40	616.42	604.40	589.40	NP	0.00	7.20	5.18	609.22	-1.26	19.82	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-37S	5/20/2014	614.40	616.42	604.40	589.40	NP	0.00	4.56	2.54	611.86	2.64	22.46	Yes	
MW-37S	10/31/2014	614.40	616.42	604.40	589.40	NP	0.00	5.89	3.87	610.53	-1.33	21.13	Yes	
MW-37S	5/4/2015	614.40	616.42	604.40	589.40	NP	0.00	6.00	3.98	610.42	-0.11	21.02	Yes	
MW-37S	10/5/2015	614.40	616.42	604.40	589.40	NP	0.00	5.43	3.41	610.99	0.57	21.59	Yes	
MW-37S	5/23/2016	614.40	616.42	604.40	589.40	NP	0.00	5.44	3.42	610.98	-0.01	21.58	Yes	
MW-37S	10/3/2016	614.40	616.42	604.40	589.40	NP	0.00	5.65	3.63	610.77	-0.21	21.37	Yes	
MW-37S	6/29/2017	614.40	616.42	604.40	589.40	NP	0.00	4.69	2.67	611.73	0.96	22.33	Yes	
MW-37S	10/8/2018	614.40	616.42	604.40	589.40	NP	0.00	5.21	3.19	611.21	-0.52	21.81	Yes	
MW-37S	7/15/2019	614.40	616.42	604.40	589.40	NP	0.00	5.64	3.62	610.78	-0.43	21.38	Yes	
MW-37S	5/26/2020	614.40	616.42	604.40	589.40	NP	0.00	5.34	3.32	611.08	0.30	21.68	Yes	
MW-37S	5/28/2021	614.40	616.42	604.40	589.40	NP	0.00	4.82	2.80	611.60	0.52	22.20	Yes	
MW-37D	7/26/2011	614.80	617.05	564.80	559.80	NP	0.00	6.79	4.54	610.26	NA	50.46	Yes	
MW-37D	10/11/2011	614.80	617.05	564.80	559.80	NP	0.00	7.78	5.53	609.27	-0.99	49.47	Yes	
MW-37D	1/4/2012	614.80	617.05	564.80	559.80	NP	0.00	8.79	6.54	608.26	-1.01	48.46	Yes	
MW-37D	4/16/2012	614.80	617.05	564.80	559.80	NP	0.00	8.41	6.16	608.64	0.38	48.84	Yes	
MW-37D	6/28/2012	614.80	617.05	564.80	559.80	NP	0.00	6.47	4.22	610.58	1.94	50.78	Yes	
MW-37D	9/30/2012	614.80	617.05	564.80	559.80	NP	0.00	8.51	6.26	608.54	-2.04	48.74	Yes	
MW-37D	12/17/2012	614.80	617.05	564.80	559.80	NP	0.00	8.86	6.61	608.19	-0.35	48.39	Yes	
MW-37D	3/25/2013	614.80	617.05	564.80	559.80	NP	0.00	9.53	7.28	607.52	-0.67	47.72	Yes	
MW-37D	5/5/2013	614.80	617.05	564.80	559.80	NP	0.00	8.28	6.03	608.77	1.25	48.97	Yes	
MW-37D	10/1/2013	614.80	617.05	564.80	559.80	NP	0.00	8.28	6.03	608.77	0.00	48.97	Yes	
MW-37D	5/21/2014	614.80	617.05	564.80	559.80	NP	0.00	6.45	4.20	610.60	1.83	50.80	Yes	
MW-37D	10/30/2014	614.80	617.05	564.80	559.80	NP	0.00	6.88	4.63	610.17	-0.43	50.37	Yes	
MW-37D	5/5/2015	614.80	617.05	564.80	559.80	NP	0.00	7.75	5.50	609.30	-0.87	49.50	Yes	
MW-37D	10/7/2015	614.80	617.05	564.80	559.80	NP	0.00	6.82	4.57	610.23	0.93	50.43	Yes	
MW-37D	5/23/2016	614.80	617.05	564.80	559.80	NP	0.00	6.14	3.89	610.91	0.68	51.11	Yes	
MW-37D	10/3/2016	614.80	617.05	564.80	559.80	NP	0.00	6.59	4.34	610.46	-0.45	50.66	Yes	
MW-37D	6/14/2017	614.80	617.05	564.80	559.80	NP	0.00	6.05	3.80	611.00	0.54	51.20	Yes	
MW-37D	10/3/2017	614.80	617.05	564.80	559.80	NP	0.00	5.15	2.90	611.90	0.90	52.10	Yes	
MW-37D	6/18/2018	614.80	617.05	564.80	559.80	NP	0.00	6.17	3.92	610.88	-1.02	51.08	Yes	
MW-37D	6/27/2018	614.80	617.05	564.80	559.80	NP	0.00	6.35	4.10	610.70	-0.18	50.90	Yes	
MW-37D	10/8/2018	614.80	617.05	564.80	559.80	NP	0.00	6.65	4.40	610.40	-0.30	50.60	Yes	
MW-37D	6/3/2019	614.80	617.05	564.80	559.80	NP	0.00	5.81	3.56	611.24	0.84	51.44	Yes	
MW-37D	7/15/2019	614.80	617.05	564.80	559.80	NP	0.00	6.18	3.93	610.87	-0.37	51.07	Yes	
MW-37D	10/3/2019	614.80	617.05	564.80	559.80	NP	0.00	6.26	4.01	610.79	-0.08	50.99	Yes	
MW-37D	5/26/2020	614.80	617.05	564.80	559.80	NP	0.00	6.03	3.78	611.02	0.23	51.22	Yes	
MW-37D	10/5/2020	614.80	617.05	564.80	559.80	NP	0.00	6.92	4.67	610.13	-0.89	50.33	Yes	
MW-37D	5/24/2021	614.80	617.05	564.80	559.80	NP	0.00	6.67	4.42	610.38	0.25	50.58	Yes	
MW-37DD	10/11/2011	614.60	616.48	536.60	534.60	NP	0.00	7.06	5.18	609.42	NA	74.82	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-37DD	1/4/2012	614.60	616.48	536.60	534.60	NP	0.00	8.11	6.23	608.37	-1.05	73.77	Yes	
MW-37DD	4/16/2012	614.60	616.48	536.60	534.60	NP	0.00	7.82	5.94	608.66	0.29	74.06	Yes	
MW-37DD	6/28/2012	614.60	616.48	536.60	534.60	NP	0.00	5.78	3.90	610.70	2.04	76.10	Yes	
MW-37DD	9/30/2012	614.60	616.48	536.60	534.60	NP	0.00	7.86	5.98	608.62	-2.08	74.02	Yes	
MW-37DD	12/17/2012	614.60	616.48	536.60	534.60	NP	0.00	8.18	6.30	608.30	-0.32	73.70	Yes	
MW-37DD	3/25/2013	614.60	616.48	536.60	534.60	NP	0.00	8.84	6.96	607.64	-0.66	73.04	Yes	
MW-37DD	5/5/2013	614.60	616.48	536.60	534.60	NP	0.00	7.67	5.79	608.81	1.17	74.21	Yes	
MW-37DD	10/1/2013	614.60	616.48	536.60	534.60	NP	0.00	7.45	5.57	609.03	0.22	74.43	Yes	
MW-37DD	5/21/2014	614.60	616.48	536.60	534.60	NP	0.00	5.80	3.92	610.68	1.65	76.08	Yes	
MW-37DD	10/29/2014	614.60	616.48	536.60	534.60	NP	0.00	6.15	4.27	610.33	-0.35	75.73	Yes	
MW-37DD	5/5/2015	614.60	616.48	536.60	534.60	NP	0.00	7.12	5.24	609.36	-0.97	74.76	Yes	
MW-37DD	10/6/2015	614.60	616.48	536.60	534.60	NP	0.00	6.03	4.15	610.45	1.09	75.85	Yes	
MW-37DD	5/23/2016	614.60	616.48	536.60	534.60	NP	0.00	5.42	3.54	611.06	0.61	76.46	Yes	
MW-37DD	10/3/2016	614.60	616.48	536.60	534.60	NP	0.00	5.86	3.98	610.62	-0.44	76.02	Yes	
MW-37DD	6/29/2017	614.60	616.48	536.60	534.60	NP	0.00	5.46	3.58	611.02	0.40	76.42	Yes	
MW-37DD	10/12/2017	614.60	616.48	536.60	534.60	NP	0.00	4.38	2.50	612.10	1.08	77.50	Yes	
MW-37DD	6/18/2018	614.60	616.48	536.60	534.60	NP	0.00	5.53	3.65	610.95	-1.15	76.35	Yes	
MW-37DD	6/27/2018	614.60	616.48	536.60	534.60	NP	0.00	5.62	3.74	610.86	-0.09	76.26	Yes	
MW-37DD	10/8/2018	614.60	616.48	536.60	534.60	NP	0.00	5.98	4.10	610.50	-0.36	75.90	Yes	
MW-37DD	6/3/2019	614.60	616.48	536.60	534.60	NP	0.00	5.06	3.18	611.42	0.92	76.82	Yes	
MW-37DD	7/15/2019	614.60	616.48	536.60	534.60	NP	0.00	5.42	3.54	611.06	-0.36	76.46	Yes	
MW-37DD	10/1/2019	614.60	616.48	536.60	534.60	NP	0.00	5.59	3.71	610.89	-0.17	76.29	Yes	
MW-37DD	5/26/2020	614.60	616.48	536.60	534.60	NP	0.00	5.26	3.38	611.22	0.33	76.62	Yes	
MW-37DD	10/6/2020	614.60	616.48	536.60	534.60	NP	0.00	6.91	5.03	609.57	-1.65	74.97	Yes	
MW-37DD	5/24/2021	614.60	616.48	536.60	534.60	NP	0.00	6.00	4.12	610.48	0.91	75.88	Yes	
MW-37DDD	6/18/2018	614.60	617.16	530.60	527.60	NP	0.00	6.35	3.79	610.81	0.00	83.21	Yes	
MW-37DDD	6/27/2018	614.60	617.16	530.60	527.60	NP	0.00	6.43	3.87	610.73	-0.08	83.13	Yes	
MW-37DDD	10/8/2018	614.60	617.16	530.60	527.60	NP	0.00	6.80	4.24	610.36	1.00	82.76	Yes	
MW-37DDD	6/3/2019	614.60	617.16	530.60	527.60	NP	0.00	5.71	3.15	611.45	1.00	83.85	Yes	
MW-37DDD	10/1/2019	615.60	618.16	531.60	528.60	NP	0.00	6.45	3.89	611.71	1.00	83.11	Yes	
MW-37DDD	5/26/2020	616.60	619.16	532.60	529.60	NP	0.00	5.98	3.42	613.18	2.00	83.58	Yes	
MW-37DDD	5/24/2021	616.60	619.16	532.60	529.60	NP	0.00	6.87	4.31	612.29	2.00	82.69	Yes	
MW-38S	7/26/2011	610.90	612.96	600.90	585.90	NP	0.00	4.95	2.89	608.01	NA	22.11	Yes	
MW-38S	10/11/2011	610.90	612.96	600.90	585.90	NP	0.00	6.09	4.03	606.87	-1.14	20.97	Yes	
MW-38S	1/4/2012	610.90	612.96	600.90	585.90	NP	0.00	6.94	4.88	606.02	-0.85	20.12	Yes	
MW-38S	4/16/2012	610.90	612.96	600.90	585.90	NP	0.00	4.38	2.32	608.58	2.56	22.68	Yes	
MW-38S	6/28/2012	610.90	612.96	600.90	585.90	NP	0.00	4.39	2.33	608.57	-0.01	22.67	Yes	
MW-38S	9/30/2012	610.90	612.96	600.90	585.90	NP	0.00	7.03	4.97	605.93	-2.64	20.03	Yes	
MW-38S	12/17/2012	610.90	612.96	600.90	585.90	NP	0.00	6.42	4.36	606.54	0.61	20.64	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-38S	3/25/2013	610.90	612.96	600.90	585.90	NP	0.00	7.29	5.23	605.67	-0.87	19.77	Yes	
MW-38S	5/5/2013	610.90	612.96	600.90	585.90	NP	0.00	4.83	2.77	608.13	2.46	22.23	Yes	
MW-38S	10/3/2013	610.90	612.96	600.90	585.90	NP	0.00	6.43	4.37	606.53	-1.60	20.63	Yes	
MW-38S	5/20/2014	610.90	612.96	600.90	585.90	NP	0.00	3.79	1.73	609.17	2.64	23.27	Yes	
MW-38S	10/31/2014	610.90	612.96	600.90	585.90	NP	0.00	5.62	3.56	607.34	-1.83	21.44	Yes	
MW-38S	5/4/2015	610.90	612.96	600.90	585.90	NP	0.00	5.38	3.32	607.58	0.24	21.68	Yes	
MW-38S	10/5/2015	610.90	612.96	600.90	585.90	NP	0.00	5.13	3.07	607.83	0.25	21.93	Yes	
MW-38S	5/23/2016	610.90	612.96	600.90	585.90	NP	0.00	5.33	3.27	607.63	-0.20	21.73	Yes	
MW-38S	10/3/2016	610.90	612.96	600.90	585.90	NP	0.00	5.41	3.35	607.55	-0.08	21.65	Yes	
MW-38S	6/29/2017	610.90	612.96	600.90	585.90	NP	0.00	4.28	2.22	608.68	1.13	22.78	Yes	
MW-38S	10/3/2017	610.90	612.96	600.90	585.90	NP	0.00	3.25	1.19	609.71	1.03	23.81	Yes	
MW-38S	10/8/2018	610.90	612.96	600.90	585.90	NP	0.00	4.67	2.61	608.29	-1.42	22.39	Yes	
MW-38S	5/26/2020	610.90	612.96	600.90	585.90	NP	0.00	5.56	3.50	607.40	-0.89	21.50	Yes	
MW-38S	5/24/2021	610.90	612.96	600.90	585.90	NP	0.00	4.60	2.54	608.36	0.96	22.46	Yes	
MW-38D	7/26/2011	610.90	612.78	560.90	555.90	NP	0.00	3.63	1.75	609.15	NA	53.25	Yes	
MW-38D	10/11/2011	610.90	612.78	560.90	555.90	NP	0.00	4.54	2.66	608.24	-0.91	52.34	Yes	
MW-38D	1/4/2012	610.90	612.78	560.90	555.90	NP	0.00	5.64	3.76	607.14	-1.10	51.24	Yes	
MW-38D	4/16/2012	610.90	612.78	560.90	555.90	NP	0.00	5.07	3.19	607.71	0.57	51.81	Yes	
MW-38D	6/28/2012	610.90	612.78	560.90	555.90	NP	0.00	3.19	1.31	609.59	1.88	53.69	Yes	
MW-38D	9/30/2012	610.90	612.78	560.90	555.90	NP	0.00	5.36	3.48	607.42	-2.17	51.52	Yes	
MW-38D	12/17/2012	610.90	612.78	560.90	555.90	NP	0.00	5.65	3.77	607.13	-0.29	51.23	Yes	
MW-38D	3/25/2013	610.90	612.78	560.90	555.90	NP	0.00	6.24	4.36	606.54	-0.59	50.64	Yes	
MW-38D	5/5/2013	610.90	612.78	560.90	555.90	NP	0.00	4.88	3.00	607.90	1.36	52.00	Yes	
MW-38D	10/1/2013	610.90	612.78	560.90	555.90	NP	0.00	4.28	2.40	608.50	0.60	52.60	Yes	
MW-38D	5/20/2014	610.90	612.78	560.90	555.90	NP	0.00	3.05	1.17	609.73	1.23	53.83	Yes	
MW-38D	10/29/2014	610.90	612.78	560.90	555.90	NP	0.00	3.59	1.71	609.19	-0.54	53.29	Yes	
MW-38D	5/4/2015	610.90	612.78	560.90	555.90	NP	0.00	4.40	2.52	608.38	-0.81	52.48	Yes	
MW-38D	10/5/2015	610.90	612.78	560.90	555.90	NP	0.00	3.51	1.63	609.27	0.89	53.37	Yes	
MW-38D	5/23/2016	610.90	612.78	560.90	555.90	NP	0.00	3.02	1.14	609.76	0.49	53.86	Yes	
MW-38D	10/3/2016	610.90	612.78	560.90	555.90	NP	0.00	3.41	1.53	609.37	-0.39	53.47	Yes	
MW-38D	6/29/2017	610.90	612.78	560.90	555.90	NP	0.00	2.91	1.03	609.87	0.50	53.97	Yes	
MW-38D	10/3/2017	610.90	612.78	560.90	555.90	NP	0.00	1.99	0.11	610.79	0.92	54.89	Yes	
MW-38D	6/18/2018	610.90	612.78	560.90	555.90	NP	0.00	2.95	1.07	609.83	-0.96	53.93	Yes	
MW-38D	10/8/2018	610.90	612.78	560.90	555.90	NP	0.00	3.41	1.53	609.37	-0.46	53.47	Yes	
MW-38D	6/3/2019	610.90	612.78	560.90	555.90	NP	0.00	1.56	-0.32	611.22	1.85	55.32	Yes	
MW-38D	9/30/2019	610.90	612.78	560.90	555.90	NP	0.00	3.04	1.16	609.74	-1.48	53.84	Yes	
MW-38D	5/26/2020	610.90	612.78	560.90	555.90	NP	0.00	2.85	0.97	609.93	0.19	54.03	Yes	
MW-38D	5/28/2021	610.90	612.78	560.90	555.90	NP	0.00	3.43	1.55	609.35	-0.58	53.45	Yes	
MW-38DD	6/18/2018	610.90	613.48	537.90	534.90	NP	0.00	3.28	0.70	610.20		75.30	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-38DD	10/8/2018	610.90	613.48	537.90	534.90	NP	0.00	4.36	1.78	609.12	-1.08	74.22	Yes	
MW-38DD	6/3/2019	610.90	613.48	537.90	534.90	NP	0.00	3.19	0.61	610.29	1.17	75.39	Yes	
MW-38DD	9/30/2019	611.90	614.48	538.90	535.90	NP	0.00	3.66	1.08	610.82	0.53	74.92	Yes	
MW-38DD	5/26/2020	612.90	615.48	539.90	536.90	NP	0.00	3.48	0.90	612.00	1.18	75.10	Yes	
MW-38DD	5/28/2021	612.90	615.48	539.90	536.90	NP	0.00	4.08	1.50	611.40	-0.60	74.50	Yes	
MW-40S	7/26/2011	606.90	609.00	596.90	581.90	NP	0.00	2.48	0.38	606.52	NA	24.62	Yes	
MW-40S	10/11/2011	606.90	609.00	596.90	581.90	NP	0.00	6.38	4.28	602.62	-3.90	20.72	Yes	
MW-40S	1/4/2012	606.90	609.00	596.90	581.90	NP	0.00	7.07	4.97	601.93	-0.69	20.03	Yes	
MW-40S	4/16/2012	606.90	609.00	596.90	581.90	NP	0.00	4.64	2.54	604.36	2.43	22.46	Yes	
MW-40S	6/28/2012	606.90	609.00	596.90	581.90	NP	0.00	6.73	4.63	602.27	-2.09	20.37	Yes	
MW-40S	9/30/2012	606.90	609.00	596.90	581.90	NP	0.00	7.51	5.41	601.49	-0.78	19.59	Yes	
MW-40S	12/17/2012	606.90	609.00	596.90	581.90	NP	0.00	6.48	4.38	602.52	1.03	20.62	Yes	
MW-40S	3/25/2013	606.90	609.00	596.90	581.90	NP	0.00	7.15	5.05	601.85	-0.67	19.95	Yes	
MW-40S	5/5/2013	606.90	609.00	596.90	581.90	NP	0.00	5.02	2.92	603.98	2.13	22.08	Yes	
MW-40S	10/3/2013	606.90	609.00	596.90	581.90	NP	0.00	5.81	3.71	603.19	-0.79	21.29	Yes	
MW-40S	5/20/2014	606.90	609.00	596.90	581.90	NP	0.00	4.83	2.73	604.17	0.98	22.27	Yes	
MW-40S	10/31/2014	606.90	609.00	596.90	581.90	NP	0.00	5.38	3.28	603.62	-0.55	21.72	Yes	
MW-40S	5/4/2015	606.90	609.00	596.90	581.90	NP	0.00	5.80	3.70	603.20	-0.42	21.30	Yes	
MW-40S	10/5/2015	606.90	609.00	596.90	581.90	NP	0.00	5.11	3.01	603.89	0.69	21.99	Yes	
MW-40S	5/23/2016	606.90	609.00	596.90	581.90	NP	0.00	5.71	3.61	603.29	-0.60	21.39	Yes	
MW-40S	10/3/2016	606.90	609.00	596.90	581.90	NP	0.00	5.33	3.23	603.67	0.38	21.77	Yes	
MW-40S	6/29/2017	606.90	609.00	596.90	581.90	NP	0.00	5.03	2.93	603.97	0.30	22.07	Yes	
MW-40S	10/3/2017	606.90	609.00	596.90	581.90	NP	0.00	4.00	1.90	605.00	1.03	23.10	Yes	
MW-40S	10/8/2018	606.90	609.00	596.90	581.90	NP	0.00	4.82	2.72	604.18	-0.82	22.28	Yes	
MW-40S	5/26/2020	606.90	609.00	596.90	581.90	NP	0.00	5.54	3.44	603.46	-0.72	21.56	Yes	
MW-40S	5/24/2021	606.90	609.00	596.90	581.90	NP	0.00	4.81	2.71	604.19	0.73	22.29	Yes	
MW-40D	7/26/2011	607.00	608.80	557.00	552.00	NP	0.00	4.95	3.15	603.85	NA	51.85	Yes	
MW-40D	10/11/2011	607.00	608.80	557.00	552.00	NP	0.00	3.11	1.31	605.69	1.84	53.69	Yes	
MW-40D	1/4/2012	607.00	608.80	557.00	552.00	NP	0.00	3.82	2.02	604.98	-0.71	52.98	Yes	
MW-40D	4/16/2012	607.00	608.80	557.00	552.00	NP	0.00	3.40	1.60	605.40	0.42	53.40	Yes	
MW-40D	6/28/2012	607.00	608.80	557.00	552.00	NP	0.00	1.98	0.18	606.82	1.42	54.82	Yes	
MW-40D	9/30/2012	607.00	608.80	557.00	552.00	NP	0.00	3.51	1.71	605.29	-1.53	53.29	Yes	
MW-40D	12/17/2012	607.00	608.80	557.00	552.00	NP	0.00	3.92	2.12	604.88	-0.41	52.88	Yes	
MW-40D	3/26/2013	607.00	608.80	557.00	552.00	NP	0.00	4.46	2.66	604.34	-0.54	52.34	Yes	
MW-40D	5/6/2013	607.00	608.80	557.00	552.00	NP	0.00	3.27	1.47	605.53	1.19	53.53	Yes	
MW-40D	10/1/2013	607.00	608.80	557.00	552.00	NP	0.00	2.96	1.16	605.84	0.31	53.84	Yes	
MW-40D	5/20/2014	607.00	608.80	557.00	552.00	NP	0.00	1.56	-0.24	607.24	1.40	55.24	Yes	
MW-40D	10/29/2014	607.00	608.80	557.00	552.00	NP	0.00	1.89	0.09	606.91	-0.33	54.91	Yes	
MW-40D	5/4/2015	607.00	608.80	557.00	552.00	NP	0.00	2.56	0.76	606.24	-0.67	54.24	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-40D	10/5/2015	607.00	608.80	557.00	552.00	NP	0.00	1.85	0.05	606.95	0.71	54.95	Yes	
MW-40D	5/23/2016	607.00	608.80	557.00	552.00	NP	0.00	1.74	-0.06	607.06	0.11	55.06	Yes	
MW-40D	10/3/2016	607.00	608.80	557.00	552.00	NP	0.00	1.79	-0.01	607.01	-0.05	55.01	Yes	
MW-40D	6/29/2017	607.00	608.80	557.00	552.00	NP	0.00	1.36	-0.44	607.44	0.43	55.44	Yes	
MW-40D	10/3/2017	607.00	608.80	557.00	552.00	NP	0.00	0.50	-1.30	608.30	0.86	56.30	Yes	
MW-40D	6/18/2018	607.00	608.80	557.00	552.00	NP	0.00	1.42	-0.38	607.38	-0.92	55.38	Yes	
MW-40D	10/8/2018	607.00	608.80	557.00	552.00	NP	0.00	1.63	-0.17	607.17	-0.21	55.17	Yes	
MW-40D	6/3/2019	607.00	608.80	557.00	552.00	NP	0.00	1.03	-0.77	607.77	0.60	55.77	Yes	
MW-40D	9/30/2019	607.00	608.80	557.00	552.00	NP	0.00	1.24	-0.56	607.56	-0.21	55.56	Yes	
MW-40D	5/26/2020	607.00	608.80	557.00	552.00	NP	0.00	1.41	-0.39	607.39	-0.17	55.39	Yes	
MW-40D	10/5/2020	607.00	608.80	557.00	552.00	NP	0.00	1.90	0.10	606.90	-0.49	54.90	Yes	
MW-40D	5/28/2021	607.00	608.80	557.00	552.00	NP	0.00	1.81	0.01	606.99	0.09	54.99	Yes	
MW-41S	7/26/2011	608.70	610.68	598.70	583.70	NP	0.00	6.12	4.14	604.56	NA	20.86	Yes	
MW-41S	10/11/2011	608.70	610.68	598.70	583.70	NP	0.00	6.89	4.91	603.79	-0.77	20.09	Yes	
MW-41S	1/4/2012	608.70	610.68	598.70	583.70	NP	0.00	7.41	5.43	603.27	-0.52	19.57	Yes	
MW-41S	4/16/2012	608.70	610.68	598.70	583.70	NP	0.00	5.71	3.73	604.97	1.70	21.27	Yes	
MW-41S	6/28/2012	608.70	610.68	598.70	583.70	NP	0.00	5.48	3.50	605.20	0.23	21.50	Yes	
MW-41S	9/30/2012	608.70	610.68	598.70	583.70	NP	0.00	7.54	5.56	603.14	-2.06	19.44	Yes	
MW-41S	12/17/2012	608.70	610.68	598.70	583.70	NP	0.00	7.45	5.47	603.23	0.09	19.53	Yes	
MW-41S	3/26/2013	608.70	610.68	598.70	583.70	NP	0.00	7.54	5.56	603.14	-0.09	19.44	Yes	
MW-41S	5/6/2013	608.70	610.68	598.70	583.70	NP	0.00	6.02	4.04	604.66	1.52	20.96	Yes	
MW-41S	10/3/2013	608.70	610.68	598.70	583.70	NP	0.00	6.81	4.83	603.87	-0.79	20.17	Yes	
MW-41S	5/20/2014	608.70	610.68	598.70	583.70	NP	0.00	4.94	2.96	605.74	1.87	22.04	Yes	
MW-41S	10/31/2014	608.70	610.68	598.70	583.70	NP	0.00	5.69	3.71	604.99	-0.75	21.29	Yes	
MW-41S	5/4/2015	608.70	610.68	598.70	583.70	NP	0.00	5.99	4.01	604.69	-0.30	20.99	Yes	
MW-41S	10/5/2015	608.70	610.68	598.70	583.70	NP	0.00	5.51	3.53	605.17	0.48	21.47	Yes	
MW-41S	5/23/2016	608.70	610.68	598.70	583.70	NP	0.00	5.75	3.77	604.93	-0.24	21.23	Yes	
MW-41S	10/3/2016	608.70	610.68	598.70	583.70	NP	0.00	5.67	3.69	605.01	0.08	21.31	Yes	
MW-41S	6/29/2017	608.70	610.68	598.70	583.70	NP	0.00	5.26	3.28	605.42	0.41	21.72	Yes	
MW-41S	10/3/2017	608.70	610.68	598.70	583.70	NP	0.00	4.20	2.22	606.48	1.06	22.78	Yes	
MW-41S	10/8/2018	608.70	610.68	598.70	583.70	NP	0.00	5.45	3.47	605.23	-1.25	21.53	Yes	
MW-41S	7/15/2019	608.70	610.68	598.70	583.70	NP	0.00	5.50	3.52	605.18	-0.05	21.48	Yes	
MW-41S	10/1/2019	608.70	610.68	598.70	583.70	NP	0.00	4.96	2.98	605.72	0.54	22.02	Yes	
MW-41S	5/26/2020	608.70	610.68	598.70	583.70	NP	0.00	5.65	3.67	605.03	-0.69	21.33	Yes	
MW-41S	5/24/2021	608.70	610.68	598.70	583.70	NP	0.00	5.55	3.57	605.13	0.10	21.43	Yes	
MW-41D	7/26/2011	609.00	610.86	559.00	554.00	NP	0.00	9.56	7.70	601.30	NA	47.30	Yes	
MW-41D	10/11/2011	609.00	610.86	559.00	554.00	NP	0.00	3.82	1.96	607.04	5.74	53.04	Yes	
MW-41D	1/4/2012	609.00	610.86	559.00	554.00	NP	0.00	4.75	2.89	606.11	-0.93	52.11	Yes	
MW-41D	4/16/2012	609.00	610.86	559.00	554.00	NP	0.00	4.40	2.54	606.46	0.35	52.46	Yes	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-41D	6/28/2012	609.00	610.86	559.00	554.00	NP	0.00	2.77	0.91	608.09	1.63	54.09	Yes	
MW-41D	9/30/2012	609.00	610.86	559.00	554.00	NP	0.00	4.51	2.65	606.35	-1.74	52.35	Yes	
MW-41D	12/17/2012	609.00	610.86	559.00	554.00	NP	0.00	4.82	2.96	606.04	-0.31	52.04	Yes	
MW-41D	3/26/2013	609.00	610.86	559.00	554.00	NP	0.00	5.33	3.47	605.53	-0.51	51.53	Yes	
MW-41D	5/6/2013	609.00	610.86	559.00	554.00	NP	0.00	4.28	2.42	606.58	1.05	52.58	Yes	
MW-41D	10/1/2013	609.00	610.86	559.00	554.00	NP	0.00	3.88	2.02	606.98	0.40	52.98	Yes	
MW-41D	5/21/2014	609.00	610.86	559.00	554.00	NP	0.00	2.57	0.71	608.29	1.31	54.29	Yes	
MW-41D	10/29/2014	609.00	610.86	559.00	554.00	NP	0.00	4.81	2.95	606.05	-2.24	52.05	Yes	
MW-41D	5/4/2015	609.00	610.86	559.00	554.00	NP	0.00	3.60	1.74	607.26	1.21	53.26	Yes	
MW-41D	10/6/2015	609.00	610.86	559.00	554.00	NP	0.00	2.76	0.90	608.10	0.84	54.10	Yes	
MW-41D	5/23/2016	609.00	610.86	559.00	554.00	NP	0.00	2.41	0.55	608.45	0.35	54.45	Yes	
MW-41D	10/3/2016	609.00	610.86	559.00	554.00	NP	0.00	2.55	0.69	608.31	-0.14	54.31	Yes	
MW-41D	6/29/2017	609.00	610.86	559.00	554.00	NP	0.00	2.20	0.34	608.66	0.35	54.66	Yes	
MW-41D	10/3/2017	609.00	610.86	559.00	554.00	NP	0.00	1.37	-0.49	609.49	0.83	55.49	Yes	
MW-41D	6/18/2018	609.00	610.86	559.00	554.00	NP	0.00	2.32	0.46	608.54	-0.95	54.54	Yes	
MW-41D	10/8/2018	609.00	610.86	559.00	554.00	NP	0.00	2.53	0.67	608.33	-0.21	54.33	Yes	
MW-41D	6/3/2019	609.00	610.86	559.00	554.00	NP	0.00	1.88	0.02	608.98	0.65	54.98	Yes	
MW-41D	7/15/2019	609.00	610.86	559.00	554.00	NP	0.00	2.05	0.19	608.81	-0.17	54.81	Yes	
MW-41D	10/2/2019	609.00	610.86	559.00	554.00	NP	0.00	2.15	0.29	608.71	-0.10	54.71	Yes	
MW-41D	5/26/2020	609.00	610.86	559.00	554.00	NP	0.00	2.14	0.28	608.72	0.01	54.72	Yes	
MW-41D	10/5/2020	609.00	610.86	559.00	554.00	NP	0.00	3.72	1.86	607.14	-1.58	53.14	Yes	
MW-41D	5/24/2021	609.00	610.86	559.00	554.00	NP	0.00	2.68	0.82	608.18	1.04	54.18	Yes	
MW-41DD	6/18/2018	609.00	611.62	538.00	535.00	NP	0.00	3.58	0.96	608.04		73.04	Yes	
MW-41DD	10/8/2018	609.00	611.62	538.00	535.00	NP	0.00	5.15	2.53	606.47	-1.57	71.47	Yes	
MW-41DD	6/3/2019	609.00	611.62	538.00	535.00	NP	0.00	4.75	2.13	606.87	0.40	71.87	Yes	
MW-41DD	7/15/2019	609.00	611.62	538.00	535.00	NP	0.00	5.26	2.64	606.36	-0.51	71.36	Yes	
MW-41DD	10/1/2019	610.00	612.62	539.00	536.00	NP	0.00	4.86	2.24	607.76	1.40	71.76	Yes	
MW-41DD	5/26/2020	611.00	613.62	540.00	537.00	NP	0.00	4.68	2.06	608.94	1.18	71.94	Yes	
MW-41DD	5/24/2021	611.00	613.62	540.00	537.00	NP	0.00	4.47	1.85	609.15	0.21	72.15	Yes	
MW-45S	6/28/2012	620.00	622.38	600.00	590.00	NP	0.00	9.15	6.77	613.23	613.23	23.23	Yes	
MW-45S	9/30/2012	620.00	622.38	600.00	590.00	NP	0.00	11.38	9.00	611.00	-2.23	21.00	Yes	
MW-45S	12/17/2012	620.00	622.38	600.00	590.00	NP	0.00	11.67	9.29	610.71	-0.29	20.71	Yes	
MW-45S	3/25/2013	620.00	622.38	600.00	590.00	NP	0.00	12.45	10.07	609.93	-0.78	19.93	Yes	
MW-45S	5/6/2013	620.00	622.38	600.00	590.00	NP	0.00	10.87	8.49	611.51	1.58	21.51	Yes	
MW-45S	10/3/2013	620.00	622.38	600.00	590.00	NP	0.00	11.35	8.97	611.03	-0.48	21.03	Yes	
MW-45S	5/20/2014	620.00	622.38	600.00	590.00	NP	0.00	9.08	6.70	613.30	2.27	23.30	Yes	
MW-45S	10/31/2014	620.00	622.38	600.00	590.00	NP	0.00	9.85	7.47	612.53	-0.77	22.53	Yes	
MW-45S	5/4/2015	620.00	622.38	600.00	590.00	NP	0.00	10.56	8.18	611.82	-0.71	21.82	Yes	
MW-45S	10/5/2015	620.00	622.38	600.00	590.00	NP	0.00	9.54	7.16	612.84	1.02	22.84	Yes	
MW-45S	5/23/2016	620.00	622.38	600.00	590.00	NP	0.00	8.89	6.51	613.49	0.65	23.49	Yes	
MW-45S	10/3/2016	620.00	622.38	600.00	590.00	NP	0.00	9.50	7.12	612.88	-0.61	22.88	Yes	
MW-45S	6/29/2017	620.00	622.38	600.00	590.00	NP	0.00	8.94	6.56	613.44	0.56	23.44	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-45S	10/3/2017	620.00	622.38	600.00	590.00	NP	0.00	7.79	5.41	614.59	1.15	24.59	Yes	
MW-45S	10/8/2018	620.00	622.38	600.00	590.00	NP	0.00	9.56	7.18	612.82	-1.77	22.82	Yes	
MW-45S	5/26/2020	620.00	622.38	600.00	590.00	NP	0.00	8.83	6.45	613.55	0.73	23.55	Yes	
MW-45S	5/24/2021	620.00	622.38	600.00	590.00	NP	0.00	9.27	6.89	613.11	-0.44	23.11	Yes	
MW-45D	6/28/2012	619.80	622.28	564.80	559.80	NP	0.00	9.97	7.49	612.31	612.31	52.51	Yes	
MW-45D	9/30/2012	619.80	622.28	564.80	559.80	NP	0.00	12.13	9.65	610.15	-2.16	50.35	Yes	
MW-45D	12/17/2012	619.80	622.28	564.80	559.80	NP	0.00	12.56	10.08	609.72	-0.43	49.92	Yes	
MW-45D	3/25/2013	619.80	622.28	564.80	559.80	NP	0.00	13.24	10.76	609.04	-0.68	49.24	Yes	
MW-45D	5/6/2013	619.80	622.28	564.80	559.80	NP	0.00	12.14	9.66	610.14	1.10	50.34	Yes	
MW-45D	10/1/2013	619.80	622.28	564.80	559.80	NP	0.00	11.98	9.50	610.30	0.16	50.50	Yes	
MW-45D	5/21/2014	619.80	622.28	564.80	559.80	NP	0.00	10.12	7.64	612.16	1.86	52.36	Yes	
MW-45D	10/30/2014	619.80	622.28	564.80	559.80	NP	0.00	10.49	8.01	611.79	-0.37	51.99	Yes	
MW-45D	5/5/2015	619.80	622.28	564.80	559.80	NP	0.00	11.57	9.09	610.71	-1.08	50.91	Yes	
MW-45D	10/6/2015	619.80	622.28	564.80	559.80	NP	0.00	10.41	7.93	611.87	1.16	52.07	Yes	
MW-45D	5/23/2016	619.80	622.28	564.80	559.80	NP	0.00	9.56	7.08	612.72	0.85	52.92	Yes	
MW-45D	10/3/2016	619.80	622.28	564.80	559.80	NP	0.00	10.12	7.64	612.16	-0.56	52.36	Yes	
MW-45D	6/29/2017	619.80	622.28	564.80	559.80	NP	0.00	9.70	7.22	612.58	0.42	52.78	Yes	
MW-45D	10/3/2017	619.80	622.28	564.80	559.80	NP	0.00	8.57	6.09	613.71	1.13	53.91	Yes	
MW-45D	6/18/2018	619.80	622.28	564.80	559.80	NP	0.00	9.82	7.34	612.46	-1.25	52.66	Yes	
MW-45D	6/27/2018	619.80	622.28	564.80	559.80	NP	0.00	9.85	7.37	612.43	-0.03	52.63	Yes	
MW-45D	10/8/2018	619.80	622.28	564.80	559.80	NP	0.00	10.32	7.84	611.96	-0.47	52.16	Yes	
MW-45D	6/3/2019	619.80	622.28	564.80	559.80	NP	0.00	9.35	6.87	612.93	0.97	53.13	Yes	
MW-45D	10/2/2019	619.80	622.28	564.80	559.80	NP	0.00	9.94	7.46	612.34	-0.59	52.54	Yes	
MW-45D	5/26/2020	619.80	622.28	564.80	559.80	NP	0.00	9.43	6.95	612.85	0.51	53.05	Yes	
MW-45D	10/5/2020	619.80	622.28	564.80	559.80	NP	0.00	10.51	8.03	611.77	-1.08	51.97	Yes	
MW-45D	5/24/2021	619.80	622.28	564.80	559.80	NP	0.00	10.28	7.80	612.00	0.23	52.20	Yes	
MW-46S	6/28/2012	625.77	627.95	605.77	595.77	NP	0.00	15.46	13.28	612.49	612.49	16.72	Yes	
MW-46S	9/30/2012	625.77	627.95	605.77	595.77	NP	0.00	17.45	15.27	610.50	-1.99	14.73	Yes	
MW-46S	12/17/2012	625.77	627.95	605.77	595.77	NP	0.00	17.59	15.41	610.36	-0.14	14.59	Yes	
MW-46S	3/25/2013	625.77	627.95	605.77	595.77	NP	0.00	18.19	16.01	609.76	-0.60	13.99	Yes	
MW-46S	5/6/2013	625.77	627.95	605.77	595.77	NP	0.00	16.59	14.41	611.36	1.60	15.59	Yes	
MW-46S	10/3/2013	625.77	627.95	605.77	595.77	NP	0.00	17.29	15.11	610.66	-0.70	14.89	Yes	
MW-46S	5/20/2014	625.77	627.95	605.77	595.77	NP	0.00	15.28	13.10	612.67	2.01	16.90	Yes	
MW-46S	10/31/2014	625.77	627.95	605.77	595.77	NP	0.00	16.09	13.91	611.86	-0.81	16.09	Yes	
MW-46S	5/4/2015	625.77	627.95	605.77	595.77	NP	0.00	16.31	14.13	611.64	-0.22	15.87	Yes	
MW-46S	10/5/2015	625.77	627.95	605.77	595.77	NP	0.00	16.27	14.09	611.68	0.04	15.91	Yes	
MW-46S	5/23/2016	625.77	627.95	605.77	595.77	NP	0.00	15.75	13.57	612.20	0.52	16.43	Yes	
MW-46S	10/3/2016	625.77	627.95	605.77	595.77	NP	0.00	15.76	13.58	612.19	-0.01	16.42	Yes	
MW-46S	6/29/2017	625.77	627.95	605.77	595.77	NP	0.00	15.23	13.05	612.72	0.53	16.95	Yes	
MW-46S	10/3/2017	625.77	627.95	605.77	595.77	NP	0.00	14.32	12.14	613.63	0.91	17.86	Yes	
MW-46S	10/8/2018	625.77	627.95	605.77	595.77	NP	0.00	15.68	13.50	612.27	-1.36	16.50	Yes	
MW-46S	6/3/2019	625.77	627.95	605.77	595.77	NP	0.00	15.07	12.89	612.88	0.61	17.11	Yes	
MW-46S	10/1/2019	625.77	627.95	605.77	595.77	NP	0.00	15.43	13.25	612.52	-0.36	16.75	Yes	
MW-46S	5/26/2020	625.77	627.95	605.77	595.77	NP	0.00	15.25	13.07	612.70	0.18	16.93	Yes	
MW-46S	5/24/2021	625.77	627.95	605.77	595.77	NP	0.00	15.52	13.34	612.43	-0.27	16.66	Yes	
MW-46D	6/28/2012	625.77	628.05	567.77	562.77	NP	0.00	16.16	13.88	611.89	611.89	49.12	Yes	
MW-46D	9/30/2012	625.77	628.05	567.77	562.77	NP	0.00	17.97	15.69	610.08	-1.81	47.31	Yes	
MW-46D	12/17/2012	625.77	628.05	567.77	562.77	NP	0.00	18.37	16.09	609.68	-0.40	46.91	Yes	
MW-46D	3/25/2013	625.77	628.05	567.77	562.77	NP	0.00	18.94	16.66	609.11	-0.57	46.34	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-46D	5/6/2013	625.77	628.05	567.77	562.77	NP	0.00	17.88	15.60	610.17	1.06	47.40	Yes	
MW-46D	10/1/2013	625.77	628.05	567.77	562.77	NP	0.00	17.60	15.32	610.45	0.28	47.68	Yes	
MW-46D	5/20/2014	625.77	628.05	567.77	562.77	NP	0.00	16.09	13.81	611.96	1.51	49.19	Yes	
MW-46D	10/29/2014	625.77	628.05	567.77	562.77	NP	0.00	16.36	14.08	611.69	-0.27	48.92	Yes	
MW-46D	5/4/2015	625.77	628.05	567.77	562.77	NP	0.00	17.30	15.02	610.75	-0.94	47.98	Yes	
MW-46D	10/5/2015	625.77	628.05	567.77	562.77	NP	0.00	16.32	14.04	611.73	0.98	48.96	Yes	
MW-46D	5/23/2016	625.77	628.05	567.77	562.77	NP	0.00	15.26	12.98	612.79	1.06	50.02	Yes	
MW-46D	10/3/2016	625.77	628.05	567.77	562.77	NP	0.00	16.09	13.81	611.96	-0.83	49.19	Yes	
MW-46D	6/29/2017	625.77	628.05	567.77	562.77	NP	0.00	15.72	13.44	612.33	0.37	49.56	Yes	
MW-46D	10/3/2017	625.77	628.05	567.77	562.77	NP	0.00	14.81	12.53	613.24	0.91	50.47	Yes	
MW-46D	6/18/2018	625.77	628.05	567.77	562.77	NP	0.00	15.90	13.62	612.15	-1.09	49.38	Yes	
MW-46D	10/8/2018	625.77	628.05	567.77	562.77	NP	0.00	16.21	13.93	611.84	-0.31	49.07	Yes	
MW-46D	6/3/2019	625.77	628.05	567.77	562.77	NP	0.00	15.40	13.12	612.65	0.81	49.88	Yes	
MW-46D	10/1/2019	625.77	628.05	567.77	562.77	NP	0.00	15.83	13.55	612.22	-0.43	49.45	Yes	
MW-46D	5/26/2020	625.77	628.05	567.77	562.77	NP	0.00	15.55	13.27	612.50	0.28	49.73	Yes	
MW-46D	10/5/2020	625.77	628.05	567.77	562.77	NP	0.00	16.37	14.09	611.68	-0.82	48.91	Yes	
MW-46D	5/24/2021	625.77	628.05	567.77	562.77	NP	0.00	16.23	13.95	611.82	0.14	49.05	Yes	
MW-48S	10/3/2016	623.30	625.79	608.30	593.30	NP	0.00	14.76	12.27	611.03	NA	17.73	Yes	
MW-48S	6/13/2017	623.30	625.79	608.30	593.30	NP	0.00	12.98	10.49	612.81	1.78	19.51	Yes	
MW-48S	10/3/2017	623.30	625.79	608.30	593.30	NP	0.00	12.04	9.55	613.75	0.94	20.45	Yes	
MW-48S	6/18/2018	623.30	625.79	608.30	593.30	NP	0.00	12.70	10.21	613.09	-0.66	19.79	Yes	
MW-48S	10/8/2018	623.30	625.79	608.30	593.30	NP	0.00	14.85	12.36	610.94	-2.15	17.64	Yes	
MW-48S	6/3/2019	623.30	625.79	608.30	593.30	NP	0.00	12.41	9.92	613.38	2.44	20.08	Yes	
MW-48S	10/1/2019	623.30	625.79	608.30	593.30	NP	0.00	14.49	12.00	611.30	-2.08	18.00	Yes	
MW-48S	5/26/2020	623.30	625.79	608.30	593.30	NP	0.00	13.44	10.95	612.35	1.05	19.05	Yes	
MW-48S	5/24/2021	623.30	625.79	608.30	593.30	NP	0.00	13.60	11.11	612.19	-0.16	18.89	Yes	
MW-48D	10/3/2016	623.24	625.75	569.24	564.24	NP	0.00	14.02	11.51	611.73	NA	47.49	Yes	
MW-48D	6/14/2017	623.24	625.75	569.24	564.24	NP	0.00	13.10	10.59	612.65	0.92	48.41	Yes	
MW-48D	10/3/2017	623.24	625.75	569.24	564.24	NP	0.00	12.19	9.68	613.56	0.91	49.32	Yes	
MW-48D	6/18/2018	623.24	625.75	569.24	564.24	NP	0.00	13.20	10.69	612.55	-1.01	48.31	Yes	
MW-48D	10/8/2018	623.24	625.75	569.24	564.24	NP	0.00	14.20	11.69	611.55	-1.00	47.31	Yes	
MW-48D	6/3/2019	623.24	625.75	569.24	564.24	NP	0.00	12.86	10.35	612.89	1.34	48.65	Yes	
MW-48D	10/1/2019	623.24	625.75	569.24	564.24	NP	0.00	13.04	10.53	612.71	-0.18	48.47	Yes	
MW-48D	5/26/2020	623.24	625.75	569.24	564.24	NP	0.00	13.19	10.68	612.56	-0.15	48.32	Yes	
MW-48D	5/24/2021	623.24	625.75	569.24	564.24	NP	0.00	13.82	11.31	611.93	-0.63	47.69	Yes	
MW-49S	10/3/2016	620.49	622.66	610.99	600.99	NP	0.00	13.49	11.32	609.17	NA	8.18	No	
MW-49S	6/13/2017	620.49	622.66	610.99	600.99	NP	0.00	11.60	9.43	611.06	1.89	10.07	Yes	
MW-49S	10/3/2017	620.49	622.66	610.99	600.99	NP	0.00	11.79	9.62	610.87	-0.19	9.88	No	
MW-49S	6/18/2018	620.49	622.66	610.99	600.99	NP	0.00	12.12	9.95	610.54	-0.33	9.55	No	
MW-49S	10/8/2018	620.49	622.66	610.99	600.99	NP	0.00	13.33	11.16	609.33	-1.21	8.34	No	
MW-49S	10/8/2018	620.49	622.66	610.99	600.99	NP	0.00	10.86	8.69	611.80	2.47	10.81	Yes	
MW-49S	10/1/2019	620.49	622.66	610.99	600.99	NP	0.00	12.92	10.75	609.74	-2.06	8.75	No	
MW-49S	5/26/2020	620.49	622.66	610.99	600.99	NP	0.00	12.01	9.84	610.65	0.91	9.66	No	
MW-49S	10/5/2020	620.49	622.66	610.99	600.99	NP	0.00	14.07	11.90	608.59	-2.06	7.60	No	
MW-49S	5/24/2021	620.49	622.66	610.99	600.99	NP	0.00	12.43	10.26	610.23	1.64	9.24	No	
MW-49D	10/3/2016	620.61	622.98	567.61	562.61	NP	0.00	13.46	11.09	609.52	NA	46.91	Yes	
MW-49D	6/13/2017	620.61	622.98	567.61	562.61	NP	0.00	12.66	10.29	610.32	0.80	47.71	Yes	
MW-49D	10/3/2017	620.61	622.98	567.61	562.61	NP	0.00	11.30	8.93	611.68	1.36	49.07	Yes	
MW-49D	6/18/2018	620.61	622.98	567.61	562.61	NP	0.00	12.77	10.40	610.21	-1.47	47.60	Yes	

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Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MW-49D	10/8/2018	620.61	622.98	567.61	562.61	NP	0.00	14.43	12.06	608.55	-1.66	45.94	Yes	
MW-49D	6/3/2019	620.61	622.98	567.61	562.61	NP	0.00	12.37	10.00	610.61	2.06	48.00	Yes	
MW-49D	10/1/2019	620.61	622.98	567.61	562.61	NP	0.00	13.04	10.67	609.94	-0.67	47.33	Yes	
MW-49D	5/26/2020	620.61	622.98	567.61	562.61	NP	0.00	12.75	10.38	610.23	0.29	47.62	Yes	
MW-49D	5/24/2021	620.61	622.98	567.61	562.61	NP	0.00	13.17	10.80	609.81	-0.42	47.20	Yes	
MW-50D	6/18/2018	626.07	628.62	563.07	560.07	NP	0.00	16.65	14.10	611.97	NA	51.90	Yes	
MW-50D	10/8/2018	626.07	628.62	563.07	560.07	NP	0.00	15.63	13.08	612.99	NA	52.92	Yes	
MW-50D	6/3/2019	626.07	628.62	563.07	560.07	NP	0.00	14.48	11.93	614.14	NA	54.07	Yes	
MW-50D	9/30/2019	627.07	629.62	564.07	561.07	NP	0.00	15.19	12.64	614.43	NA	53.36	Yes	
MW-50D	5/26/2020	628.07	630.62	565.07	562.07	NP	0.00	14.56	12.01	616.06	NA	53.99	Yes	
MW-50D	5/24/2021	628.07	630.62	565.07	562.07	NP	0.00	15.52	12.97	615.10	NA	53.03	Yes	
MW-51D	6/18/2018	625.43	627.43	562.43	559.43	NP	0.00	14.98	12.98	612.45	NA	53.02	Yes	
MW-51D	10/8/2018	625.43	627.43	562.43	559.43	NP	0.00	16.83	14.83	610.60	NA	51.17	Yes	
MW-51D	6/3/2019	625.43	627.43	562.43	559.43	NP	0.00	15.98	13.98	611.45	NA	52.02	Yes	
MW-51D	9/30/2019	626.43	628.43	563.43	560.43	NP	0.00	16.54	14.54	611.89	NA	51.46	Yes	
MW-51D	5/26/2020	627.43	629.43	564.43	561.43	NP	0.00	16.05	14.05	613.38	NA	51.95	Yes	
MW-51D	5/24/2021	627.43	629.43	564.43	561.43	NP	0.00	16.81	14.81	612.62	NA	51.19	Yes	
MW-52D	6/18/2018	632.28	634.83	575.28	572.28	NP	0.00	18.35	15.80	616.48	NA	44.20	Yes	
MW-52D	10/8/2018	632.28	634.83	575.28	572.28	NP	0.00	19.17	16.62	615.66	NA	43.38	Yes	
MW-52D	6/3/2019	632.28	634.83	575.28	572.28	NP	0.00	17.87	15.32	616.96	NA	44.68	Yes	
MW-52D	9/30/2019	633.28	635.83	576.28	573.28	NP	0.00	18.72	16.17	617.11	NA	43.83	Yes	
MW-52D	5/26/2020	634.28	636.83	577.28	574.28	NP	0.00	17.67	15.12	619.16	NA	44.88	Yes	
MW-52D	5/24/2021	634.28	636.83	577.28	574.28	NP	0.00	18.83	16.28	618.00	NA	43.72	Yes	
MW-52DD	6/18/2018	632.85	635.65	548.85	544.85	NP	0.00	19.52	16.72	616.13	NA	71.28	Yes	
MW-52DD	10/8/2018	632.85	635.65	548.85	544.85	NP	0.00	20.22	17.42	615.43	NA	70.58	Yes	
MW-52DD	6/3/2019	632.85	635.65	548.85	544.85	NP	0.00	18.84	16.04	616.81	NA	71.96	Yes	
MW-52DD	9/30/2019	632.85	635.65	548.85	544.85	NP	0.00	19.76	16.96	615.89	NA	71.04	Yes	
MW-52DD	5/26/2020	632.85	635.65	548.85	544.85	NP	0.00	18.55	15.75	617.10	NA	72.25	Yes	
MW-52DD	5/24/2021	632.85	635.65	548.85	544.85	NP	0.00	20.08	17.28	615.57	NA	70.72	Yes	
LRMW-1	2/8/2001	627.37	629.07	616.58	606.58	15.44	5.77	21.21	14.98	612.39	NA	7.05	No	
LRMW-1	2/23/2001	627.37	629.07	616.58	606.58	15.87	5.32	21.19	15.31	612.06	-0.33	6.62	No	
LRMW-1	4/24/2001	627.37	629.07	616.58	606.58	11.30	9.52	20.82	11.65	615.72	3.67	11.19	No	
LRMW-1	5/23/2001	627.37	629.07	616.58	606.58	10.61	10.46	21.07	11.16	616.21	0.49	11.88	No	
LRMW-1	10/24/2001	627.37	629.07	616.58	606.58	14.60	6.52	21.12	14.30	613.07	-3.14	7.89	No	
LRMW-1	12/20/2001	627.40	629.07	616.58	606.58	14.09	7.07	21.16	13.94	613.46	0.39	8.40	No	
LRMW-1	1/22/2002	627.40	629.07	616.58	606.58	15.28	5.97	21.25	14.89	612.51	-0.95	7.21	No	
LRMW-1	4/24/2002	627.40	629.07	616.58	606.58	13.19	8.08	21.27	13.26	614.14	1.64	9.30	No	
LRMW-1	5/15/2002	627.40	629.07	616.58	606.58	11.97	9.15	21.12	12.27	615.13	0.99	10.52	No	
LRMW-1	6/27/2002	627.40	629.07	616.58	606.58	12.29	8.84	21.13	12.52	614.88	-0.25	10.20	No	
LRMW-1	7/25/2002	627.40	629.07	616.58	606.58	12.91	8.18	21.09	13.00	614.40	-0.48	9.58	No	
LRMW-1	8/20/2002	627.40	629.07	616.58	606.58	12.11	8.92	21.03	12.36	615.04	0.64	10.38	No	
LRMW-1	9/9/2002	627.40	629.07	616.58	606.58	12.31	8.73	21.04	12.52	614.88	-0.16	10.18	No	
LRMW-1	9/30/2002	627.40	629.07	616.58	606.58	12.18	8.84	21.02	12.41	614.99	0.11	10.31	No	
LRMW-1	11/5/2002	627.40	629.07	616.58	606.58	11.76	9.27	21.03	12.08	615.32	0.33	10.73	No	
LRMW-1	12/23/2002	627.40	629.07	616.58	606.58	14.12	7.16	21.28	13.99	613.41	-1.91	8.37	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-1	1/28/2003	627.40	629.07	616.58	606.58	15.35	5.99	21.34	14.97	612.43	-0.98	7.14	No	
LRMW-1	2/19/2003	627.40	629.07	616.58	606.58	15.95	5.11	21.06	15.38	612.02	-0.41	6.54	No	
LRMW-1	4/17/2003	627.40	629.07	616.58	606.58	16.08	4.82	20.90	15.45	611.95	-0.07	6.41	No	
LRMW-1	5/15/2003	627.40	629.07	616.58	606.58	14.68	6.15	20.83	14.33	613.07	1.11	7.81	No	
LRMW-1	6/10/2003	627.40	629.07	616.58	606.58	14.28	6.44	20.72	13.99	613.41	0.34	8.21	No	
LRMW-1	7/30/2003	627.40	629.07	616.58	606.58	14.22	6.40	20.62	13.93	613.47	0.07	8.27	No	
LRMW-1	9/10/2003	627.40	629.07	616.58	606.58	15.75	5.08	20.83	15.17	612.23	-1.25	6.74	No	
LRMW-1	10/23/2003	627.40	629.07	616.58	606.58	15.88	4.98	20.86	15.28	612.12	-0.11	6.61	No	
LRMW-1	12/3/2003	626.53	629.03	616.54	606.54	16.08	4.59	20.67	14.57	611.96	-0.16	6.41	No	
LRMW-1	1/8/2004	626.53	629.03	616.54	606.54	16.78	4.08	20.86	15.16	611.37	-0.59	5.71	No	
LRMW-1	4/19/2004	626.53	629.03	616.54	606.54	15.06	5.94	21.00	13.84	612.69	1.32	7.43	No	
LRMW-1	7/27/2004	626.53	629.03	616.54	606.54	14.16	6.35	20.51	13.02	613.51	0.81	8.33	No	
LRMW-1	11/15/2004	626.53	629.03	616.54	606.54	12.69	7.66	20.35	11.84	614.69	1.19	9.80	No	
LRMW-1	4/18/2005	626.53	629.03	616.54	606.54	12.78	7.68	20.46	11.93	614.60	-0.09	9.71	No	
LRMW-1	9/9/2005	626.53	629.03	616.54	606.54	14.89	5.48	20.37	13.57	612.96	-1.64	7.60	No	
LRMW-1	10/11/2005	626.53	629.03	616.54	606.54	14.38	5.56	19.94	13.07	613.46	0.49	8.11	No	
LRMW-1	5/23/2006	626.53	629.03	616.54	606.54	11.24	9.01	20.25	10.68	615.85	2.40	11.25	No	
LRMW-1	10/16/2006	626.53	629.03	616.54	606.54	14.90	5.35	20.25	13.55	612.98	-2.87	7.59	No	
LRMW-1	4/23/2007	626.53	629.03	616.54	606.54	14.27	6.36	20.63	13.14	613.39	0.41	8.22	No	
LRMW-1	9/25/2007	626.53	629.03	616.54	606.54	14.68	5.60	20.28	13.38	613.15	-0.25	7.81	No	
LRMW-1	5/1/2008	626.53	629.03	616.54	606.54	11.06	8.73	19.79	10.44	616.09	2.95	11.43	No	
LRMW-1	10/20/2008	626.53	629.03	616.54	606.54	11.84	7.99	19.83	11.06	615.47	-0.62	10.65	No	
LRMW-1	4/18/2009	626.53	629.03	616.54	606.54	13.82	5.94	19.76	12.60	613.93	-1.54	8.67	No	
LRMW-1	4/28/2010	626.53	629.03	616.54	606.54	13.86	6.28	20.14	12.71	613.82	-0.11	8.63	No	
LRMW-1	10/25/2010	626.53	629.03	616.54	606.54	11.78	8.13	19.91	11.03	615.50	1.68	10.71	No	
LRMW-1	4/25/2011	626.53	629.03	616.54	606.54	12.44	7.08	19.52	11.46	615.07	-0.43	10.05	No	
LRMW-1	9/14/2011	626.53	629.03	616.54	606.54	12.87	7.05	19.92	11.88	614.65	-0.42	9.62	No	
LRMW-1	9/23/2011	626.53	629.03	616.54	606.54	13.22	6.71	19.93	12.16	614.37	-0.28	9.27	No	
LRMW-1	9/29/2011	626.53	629.03	616.54	606.54	13.34	6.59	19.93	12.26	614.27	-0.09	9.15	No	
LRMW-1	10/7/2011	626.53	629.03	616.54	606.54	13.96	5.97	19.93	12.74	613.79	-0.49	8.53	No	
LRMW-1	10/11/2011	626.53	629.03	616.54	606.54	14.15	5.73	19.88	12.88	613.65	-0.14	8.34	No	
LRMW-1	10/21/2011	626.53	629.03	616.54	606.54	13.97	5.97	19.94	12.75	613.78	0.13	8.52	No	
LRMW-1	10/27/2011	626.53	629.03	616.54	606.54	14.10	5.87	19.97	12.86	613.67	-0.11	8.39	No	
LRMW-1	11/3/2011	626.53	629.03	616.54	606.54	14.42	5.56	19.98	13.11	613.42	-0.25	8.07	No	
LRMW-1	11/9/2011	626.53	629.03	616.54	606.54	14.37	5.60	19.97	13.07	613.46	0.04	8.12	No	
LRMW-1	11/17/2011	626.53	629.03	616.54	606.54	14.73	5.29	20.02	13.37	613.16	-0.29	7.76	No	
LRMW-1	11/22/2011	626.53	629.03	616.54	606.54	14.78	5.24	20.02	13.41	613.12	-0.04	7.71	No	
LRMW-1	12/1/2011	626.53	629.03	616.54	606.54	15.03	5.04	20.07	13.61	612.92	-0.21	7.46	No	
LRMW-1	1/4/2012	626.53	629.03	616.54	606.54	15.60	4.51	20.11	14.07	612.46	-0.46	6.89	No	
LRMW-1	2/16/2012	626.53	629.03	616.54	606.54	16.50	3.61	20.11	14.78	611.75	-0.71	5.99	No	
LRMW-1	3/13/2012	626.53	629.03	616.54	606.54	18.37	1.70	20.07	16.24	610.29	-1.46	4.12	No	
LRMW-1	4/12/2012	626.53	629.03	616.54	606.54	15.41	4.63	20.04	13.90	612.63	2.33	7.08	No	
LRMW-1	4/16/2012	626.53	629.03	616.54	606.54	15.54	2.73	18.27	13.63	612.90	0.28	6.95	No	Spill Buddy Before Reading

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
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Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-1	5/18/2012	626.53	629.03	616.54	606.54	14.52	3.01	17.53	12.67	613.86	0.96	7.97	No	
LRMW-1	6/28/2012	626.53	629.03	616.54	606.54	11.00	4.08	15.08	9.38	617.15	3.29	11.49	Yes	
LRMW-1	7/10/2012	626.53	629.03	616.54	606.54	12.57	3.11	15.68	10.74	615.79	-1.36	9.92	No	
LRMW-1	7/24/2012	626.53	629.03	616.54	606.54	14.26	1.02	15.28	11.98	614.55	-1.24	8.23	No	Spill Buddy Before Reading
LRMW-1	8/17/2012	626.53	629.03	616.54	606.54	14.87	1.06	15.93	12.60	613.93	-0.62	7.62	No	
LRMW-1	8/28/2012	626.53	629.03	616.54	606.54	15.22	1.12	16.34	12.96	613.57	-0.36	7.27	No	
LRMW-1	9/17/2012	626.53	629.03	616.54	606.54	16.03	0.45	16.48	13.63	612.90	-0.67	6.46	No	Spill Buddy Before Reading
LRMW-1	9/28/2012	626.53	629.03	616.54	606.54	16.32	0.45	16.77	13.92	612.61	-0.29	6.17	No	
LRMW-1	9/30/2012	626.53	629.03	616.54	606.54	16.40	0.20	16.60	13.94	612.59	-0.03	6.09	No	Spill Buddy Before Reading
LRMW-1	11/21/2012	626.53	629.03	616.54	606.54	16.66	0.26	16.92	14.22	612.31	-0.27	5.83	No	
LRMW-1	12/17/2012	626.53	629.03	616.54	606.54	16.84	0.26	17.10	14.40	612.13	-0.18	5.65	No	
LRMW-1	3/25/2013	626.53	629.03	616.54	606.54	17.91	0.31	18.22	15.48	611.05	-1.08	4.58	No	
LRMW-1	5/6/2013	626.53	629.03	616.54	606.54	15.32	0.18	15.50	12.86	613.67	2.62	7.17	No	
LRMW-1	10/3/2013	626.53	629.03	616.54	606.54	16.31	0.25	16.56	13.86	612.67	-1.01	6.18	No	
LRMW-1	5/22/2014	626.53	629.03	616.54	606.54	12.01	0.23	12.24	9.56	616.97	4.30	10.48	Yes	
LRMW-1	10/31/2014	626.53	629.03	616.54	606.54	14.53	0.16	14.69	12.06	614.47	-2.50	7.96	No	
LRMW-1	4/15/2015	626.53	629.03	616.54	606.54	16.27	0.18	16.45	13.81	612.72	-1.74	6.22	No	
LRMW-1	4/22/2015	626.53	629.03	616.54	606.54	15.63	0.09	15.72	13.15	613.38	0.66	6.86	No	
LRMW-1	4/29/2015	626.53	629.03	616.54	606.54	15.42	0.09	15.51	12.94	613.59	0.21	7.07	No	
LRMW-1	5/6/2015	626.53	629.03	616.54	606.54	15.43	0.09	15.52	12.95	613.58	-0.01	7.06	No	
LRMW-1	5/12/2015	626.53	629.03	616.54	606.54	14.80	0.07	14.87	12.32	614.21	0.63	7.69	No	
LRMW-1	6/9/2015	626.53	629.03	616.54	606.54	NP	0.00	13.73	11.23	615.30	1.09	8.76	No	
LRMW-1	10/5/2015	626.53	629.03	616.54	606.54	NP	0.00	13.80	11.30	615.23	-0.07	8.69	No	
LRMW-1	5/23/2016	626.53	629.03	616.54	606.54	NP	0.00	12.19	9.69	616.84	1.61	10.30	Yes	
LRMW-1	10/3/2016	626.53	629.03	616.54	606.54	NP	0.00	13.88	11.38	615.15	-1.69	8.61	No	
LRMW-1	5/2/2017	626.53	629.03	616.54	606.54	NP	0.00	12.03	9.53	617.00	1.85	10.46	Yes	
LRMW-1	5/22/2017	626.53	629.03	616.54	606.54	NP	0.00	10.89	8.39	618.14	1.14	11.60	Yes	
LRMW-1	5/31/2017	626.53	629.03	616.54	606.54	NP	0.00	11.00	8.50	618.03	-0.11	11.49	Yes	
LRMW-1	8/8/2017	626.53	629.03	616.54	606.54	NP	0.00	12.80	10.30	616.23	-1.80	9.69	No	
LRMW-1	8/15/2017	626.53	629.03	616.54	606.54	NP	0.00	12.05	9.55	616.98	0.75	10.44	Yes	
LRMW-1	5/30/2018	626.53	629.03	616.54	606.54	NP	0.00	13.82	11.32	615.21	-1.77	8.67	No	
LRMW-1	6/18/2018	626.53	629.03	616.54	606.54	NP	0.00	12.34	9.84	616.69	1.48	10.15	Yes	
LRMW-1	6/27/2018	626.53	629.03	616.54	606.54	NP	0.00	12.75	10.25	616.28	-0.41	9.74	No	
LRMW-1	6/3/2019	626.53	629.03	616.54	606.54	NP	0.00	12.11	9.61	616.92	0.64	10.38	Yes	
LRMW-1	5/26/2020	626.53	629.03	616.54	606.54	NP	0.00	12.52	10.02	616.51	-0.41	9.97	No	
LRMW-1	5/24/2021	626.53	629.03	616.54	606.54	NP	0.00	13.27	10.77	615.76	-0.75	9.22	No	
LRMW-2	2/8/2001	626.30	629.37	616.70	606.70	15.87	5.25	21.12	13.93	612.37	NA	6.80	No	
LRMW-2	2/23/2001	626.30	629.37	616.70	606.70	16.31	4.87	21.18	14.29	612.01	-0.36	6.36	No	
LRMW-2	4/24/2001	626.30	629.37	616.70	606.70	11.91	8.79	20.70	10.73	615.57	3.56	10.76	No	
LRMW-2	5/23/2001	626.30	629.37	616.70	606.70	11.04	10.08	21.12	10.14	616.16	0.59	11.63	No	
LRMW-2	10/24/2001	626.30	629.37	616.70	606.70	15.02	6.05	21.07	13.25	613.05	-3.11	7.65	No	
LRMW-2	12/20/2001	626.30	629.37	616.70	606.70	14.49	6.82	21.31	12.89	613.41	0.36	8.18	No	
LRMW-2	1/22/2002	626.30	629.37	616.70	606.70	15.53	5.79	21.32	13.70	612.60	-0.82	7.14	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-2	4/24/2002	626.30	629.37	616.70	606.70	13.67	7.64	21.31	12.24	614.06	1.46	9.00	No	
LRMW-2	5/15/2002	626.30	629.37	616.70	606.70	12.45	8.72	21.17	11.25	615.05	0.99	10.22	No	
LRMW-2	6/27/2002	626.30	629.37	616.70	606.70	12.77	8.33	21.10	11.49	614.81	-0.24	9.90	No	
LRMW-2	7/25/2002	626.30	629.37	616.70	606.70	13.33	7.82	21.15	11.94	614.36	-0.45	9.34	No	
LRMW-2	8/20/2002	626.30	629.37	616.70	606.70	12.58	8.48	21.06	11.33	614.97	0.61	10.09	No	
LRMW-2	9/9/2002	626.30	629.37	616.70	606.70	12.77	8.31	21.08	11.49	614.81	-0.15	9.90	No	
LRMW-2	9/30/2002	626.30	629.37	616.70	606.70	12.58	8.45	21.03	11.33	614.97	0.16	10.09	No	
LRMW-2	11/5/2002	626.30	629.37	616.70	606.70	12.20	8.80	21.00	11.02	615.28	0.30	10.47	No	
LRMW-2	12/23/2002	626.30	629.37	616.70	606.70	14.54	6.70	21.24	12.91	613.39	-1.89	8.13	No	
LRMW-2	1/28/2003	626.30	629.37	616.70	606.70	15.75	5.53	21.28	13.87	612.43	-0.96	6.92	No	
LRMW-2	2/19/2003	626.30	629.37	616.70	606.70	16.43	4.33	20.76	14.29	612.01	-0.42	6.24	No	
LRMW-2	4/17/2003	626.30	629.37	616.70	606.70	16.61	3.89	20.50	14.38	611.92	-0.09	6.06	No	
LRMW-2	5/15/2003	626.30	629.37	616.70	606.70	15.35	5.03	20.38	13.36	612.94	1.02	7.32	No	
LRMW-2	6/10/2003	626.30	629.37	616.70	606.70	14.83	5.45	20.28	12.93	613.37	0.43	7.84	No	
LRMW-2	7/30/2003	626.30	629.37	616.70	606.70	14.72	5.56	20.28	12.84	613.46	0.09	7.95	No	
LRMW-2	9/10/2003	626.30	629.37	616.70	606.70	16.23	4.24	20.47	14.07	612.23	-1.23	6.44	No	
LRMW-2	10/23/2003	626.30	629.37	616.70	606.70	16.38	4.07	20.45	14.18	612.12	-0.11	6.29	No	
LRMW-2	12/3/2003	626.93	629.41	616.74	606.74	16.57	3.66	20.23	14.88	612.05	-0.06	6.10	No	
LRMW-2	1/8/2004	626.93	629.41	616.74	606.74	17.23	3.31	20.54	15.46	611.47	-0.58	5.44	No	
LRMW-2	4/19/2004	626.93	629.41	616.74	606.74	15.55	5.19	20.74	14.19	612.74	1.28	7.12	No	
LRMW-2	7/27/2004	626.93	629.41	616.74	606.74	14.67	5.37	20.04	13.34	613.59	0.84	8.00	No	
LRMW-2	11/15/2004	626.93	629.41	616.74	606.74	13.28	6.36	19.64	12.17	614.76	1.18	9.39	No	
LRMW-2	4/18/2005	626.93	629.41	616.74	606.74	13.31	6.67	19.98	12.26	614.67	-0.10	9.36	No	
LRMW-2	9/9/2005	626.93	629.41	616.74	606.74	15.30	4.71	20.01	13.83	613.10	-1.57	7.37	No	
LRMW-2	10/11/2005	626.93	629.41	616.74	606.74	13.28	5.81	19.09	12.05	614.88	1.78	9.39	No	
LRMW-2	5/23/2006	626.93	629.41	616.74	606.74	11.88	7.62	19.50	11.04	615.89	1.01	10.79	No	
LRMW-2	10/16/2006	626.93	629.41	616.74	606.74	15.38	4.46	19.84	13.86	613.07	-2.82	7.29	No	
LRMW-2	4/23/2007	626.93	629.41	616.74	606.74	15.04	4.64	19.68	13.56	613.37	0.30	7.63	No	
LRMW-2	9/25/2007	626.93	629.28	616.61	606.61	15.39	3.86	19.25	13.87	613.06	-0.31	7.28	No	
LRMW-2	5/1/2008	626.93	629.28	616.61	606.61	11.80	7.35	19.15	11.03	615.90	2.84	10.87	No	
LRMW-2	10/20/2008	626.93	629.28	616.61	606.61	12.13	6.59	18.72	11.20	615.73	-0.17	10.54	No	
LRMW-2	4/18/2009	626.93	629.28	616.61	606.61	13.22	5.59	18.81	12.07	614.86	-0.88	9.45	No	
LRMW-2	10/11/2009	626.93	629.28	616.61	606.61	14.70	4.95	19.65	13.41	613.52	-1.34	7.97	No	
LRMW-2	4/28/2010	626.93	629.28	616.61	606.61	14.44	4.96	19.40	13.16	613.77	0.26	8.23	No	
LRMW-2	10/25/2010	626.93	629.28	616.61	606.61	12.12	7.34	19.46	11.35	615.58	1.81	10.55	No	
LRMW-2	4/25/2011	626.93	629.28	616.61	606.61	12.73	6.01	18.74	11.67	615.26	-0.32	9.94	No	
LRMW-2	9/14/2011	626.93	629.28	616.61	606.61	13.01	7.07	20.08	12.18	614.75	-0.51	9.66	No	
LRMW-2	9/23/2011	626.93	629.28	616.61	606.61	13.47	6.26	19.73	12.47	614.46	-0.29	9.20	No	
LRMW-2	9/29/2011	626.93	629.28	616.61	606.61	13.60	6.04	19.64	12.55	614.38	-0.08	9.07	No	
LRMW-2	10/7/2011	626.93	629.28	616.61	606.61	13.87	5.71	19.58	12.75	614.18	-0.20	8.80	No	
LRMW-2	10/11/2011	626.93	629.28	616.61	606.61	14.39	5.60	19.99	13.24	613.69	-0.50	8.28	No	
LRMW-2	10/21/2011	626.93	629.28	616.61	606.61	14.25	5.36	19.61	13.05	613.88	0.19	8.42	No	
LRMW-2	10/27/2011	626.93	629.28	616.61	606.61	14.40	5.74	20.14	13.28	613.65	-0.23	8.27	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-2	11/3/2011	626.93	629.28	616.61	606.61	14.68	5.09	19.77	13.42	613.51	-0.14	7.99	No	
LRMW-2	11/9/2011	626.93	629.28	616.61	606.61	14.67	4.90	19.57	13.37	613.56	0.05	8.00	No	
LRMW-2	11/17/2011	626.93	629.28	616.61	606.61	15.02	4.71	19.73	13.68	613.25	-0.31	7.65	No	
LRMW-2	11/22/2011	626.93	629.28	616.61	606.61	15.07	4.56	19.63	13.70	613.23	-0.02	7.60	No	
LRMW-2	12/1/2011	626.93	629.28	616.61	606.61	15.30	4.52	19.82	13.92	613.01	-0.22	7.37	No	
LRMW-2	1/4/2012	626.93	629.28	616.61	606.61	15.90	3.86	19.76	14.38	612.55	-0.46	6.77	No	
LRMW-2	2/16/2012	626.93	629.28	616.61	606.61	16.80	2.94	19.74	15.08	611.85	-0.70	5.87	No	
LRMW-2	3/13/2012	626.93	629.28	616.61	606.61	16.78	2.67	19.45	15.00	611.93	0.08	5.89	No	
LRMW-2	4/11/2012	626.93	629.28	616.61	606.61	15.85	3.55	19.40	14.26	612.67	0.74	6.82	No	
LRMW-2	4/16/2012	626.93	629.28	616.61	606.61	16.02	1.29	17.31	13.95	612.98	0.32	6.65	No	Spill Buddy Before Reading
LRMW-2	5/18/2012	626.93	629.28	616.61	606.61	14.77	2.46	17.23	12.95	613.98	1.00	7.90	No	
LRMW-2	6/28/2012	626.93	629.28	616.61	606.61	11.15	4.19	15.34	9.70	617.23	3.25	11.52	Yes	
LRMW-2	7/10/2012	626.93	629.28	616.61	606.61	12.71	3.53	16.24	11.12	615.81	-1.42	9.96	No	
LRMW-2	7/24/2012	626.93	629.28	616.61	606.61	14.45	0.90	15.35	12.29	614.64	-1.17	8.22	No	Spill Buddy Before Reading
LRMW-2	8/17/2012	626.93	629.28	616.61	606.61	14.92	1.48	16.40	12.89	614.04	-0.59	7.75	No	
LRMW-2	8/28/2012	626.93	629.28	616.61	606.61	15.21	1.74	16.95	13.23	613.70	-0.35	7.46	No	
LRMW-2	9/17/2012	626.93	629.28	616.61	606.61	15.99	1.03	17.02	13.86	613.07	-0.63	6.68	No	Spill Buddy Before Reading
LRMW-2	9/28/2012	626.93	629.28	616.61	606.61	16.27	1.28	17.55	14.20	612.73	-0.33	6.40	No	
LRMW-2	9/30/2012	626.93	629.28	616.61	606.61	16.43	0.43	16.86	14.17	612.76	0.02	6.24	No	Spill Buddy Before Reading
LRMW-2	11/21/2012	626.93	629.28	616.61	606.61	16.60	1.10	17.70	14.49	612.44	-0.31	6.07	No	
LRMW-2	12/17/2012	626.93	629.28	616.61	606.61	16.72	1.37	18.09	14.66	612.27	-0.18	5.95	No	
LRMW-2	3/25/2013	626.93	629.28	616.61	606.61	17.75	1.69	19.44	15.76	611.17	-1.10	4.92	No	
LRMW-2	5/6/2013	626.93	629.28	616.61	606.61	15.10	1.99	17.09	13.18	613.75	2.59	7.57	No	
LRMW-2	10/3/2013	626.93	629.28	616.61	606.61	15.96	2.55	18.51	14.16	612.77	-0.98	6.71	No	
LRMW-2	5/22/2014	626.93	629.28	616.61	606.61	11.28	4.33	15.61	9.86	617.07	4.30	11.39	Yes	
LRMW-2	10/31/2014	626.93	629.28	616.61	606.61	13.87	3.78	17.65	12.33	614.60	-2.47	8.80	No	
LRMW-2	5/6/2015	626.93	629.28	616.61	606.61	14.82	3.73	18.55	13.27	613.66	-0.94	7.85	No	
LRMW-2	10/5/2015	626.93	629.28	616.61	606.61	12.90	5.00	17.90	11.62	615.31	1.65	9.77	No	
LRMW-2	5/23/2016	626.93	629.28	616.61	606.61	11.35	4.58	15.93	9.98	616.95	1.64	11.32	Yes	
LRMW-2	10/3/2016	626.93	629.28	616.61	606.61	12.90	5.12	18.02	11.65	615.28	-1.67	9.77	No	
LRMW-2	5/2/2017	626.93	629.28	616.61	606.61	10.88	7.03	17.91	10.04	616.89	1.61	11.79	Yes	
LRMW-2	5/22/2017	626.93	629.28	616.61	606.61	10.64	2.22	12.86	8.77	618.16	1.27	12.03	Yes	
LRMW-2	5/25/2017	626.93	629.28	616.61	606.61	10.64	2.25	12.89	8.77	618.16	-0.01	12.03	Yes	
LRMW-2	5/31/2017	626.93	629.28	616.61	606.61	11.20	0.35	11.55	8.93	618.00	-0.15	11.47	Yes	
LRMW-2	6/21/2017	626.93	629.28	616.61	606.61	12.90	0.28	13.18	10.61	616.32	-1.68	9.77	No	
LRMW-2	8/8/2017	626.93	629.28	616.61	606.61	13.02	0.70	13.72	10.82	616.11	-0.21	9.65	No	
LRMW-2	8/15/2017	626.93	629.28	616.61	606.61	12.31	0.89	13.20	10.15	616.78	0.67	10.36	Yes	
LRMW-2	10/26/2017	626.93	629.28	616.61	606.61	11.47	0.41	11.88	9.21	617.72	0.94	11.20	Yes	
LRMW-2	5/28/2019	626.93	629.28	616.61	606.61	11.28	1.42	12.70	9.24	617.69	-0.03	11.39	Yes	
LRMW-2	5/26/2020	626.93	629.28	616.61	606.61	12.74	0.37	13.11	10.47	616.46	-1.23	9.93	No	
LRMW-2	5/24/2021	626.93	629.28	616.61	606.61	13.48	0.38	13.86	11.21	615.72	-0.74	9.19	No	
LRMW-3	2/8/2001	627.38	630.47	617.99	607.99	NP	0.00	17.35	14.26	613.12	NA	5.13	No	

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Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-3	2/23/2001	627.38	630.47	617.99	607.99	17.35	0.06	17.41	14.27	613.11	-0.01	5.13	No	
LRMW-3	4/24/2001	627.38	630.47	617.99	607.99	14.45	0.01	14.46	11.36	616.02	2.91	8.03	No	
LRMW-3	5/23/2001	627.38	630.47	617.99	607.99	NP	0.00	13.67	10.58	616.80	0.78	8.81	No	
LRMW-3	10/24/2001	627.38	630.47	617.99	607.99	16.67	1.09	17.76	13.81	613.57	-3.23	5.81	No	
LRMW-3	12/20/2001	627.40	630.47	617.99	607.99	16.37	0.17	16.54	13.34	614.06	0.50	6.11	No	
LRMW-3	1/22/2002	627.40	630.47	617.99	607.99	17.14	0.17	17.31	14.11	613.29	-0.77	5.34	No	
LRMW-3	4/24/2002	627.40	630.47	617.99	607.99	15.43	1.81	17.24	12.75	614.65	1.36	7.05	No	
LRMW-3	5/15/2002	627.40	630.47	617.99	607.99	14.30	2.22	16.52	11.71	615.69	1.04	8.18	No	
LRMW-3	6/27/2002	627.40	630.47	617.99	607.99	14.39	2.75	17.14	11.91	615.49	-0.20	8.09	No	
LRMW-3	7/25/2002	627.40	630.47	617.99	607.99	14.75	2.91	17.66	12.31	615.09	-0.39	7.73	No	
LRMW-3	8/20/2002	627.40	630.47	617.99	607.99	14.15	3.01	17.16	11.73	615.67	0.58	8.33	No	
LRMW-3	9/30/2002	627.40	630.47	617.99	607.99	14.10	3.05	17.15	11.69	615.71	0.04	8.38	No	
LRMW-3	11/5/2002	627.40	630.47	617.99	607.99	13.73	3.08	16.81	11.32	616.08	0.36	8.75	No	
LRMW-3	12/23/2002	627.40	630.47	617.99	607.99	15.45	3.15	18.60	13.06	614.34	-1.74	7.03	No	
LRMW-3	1/28/2003	627.40	630.47	617.99	607.99	16.37	4.13	20.50	14.19	613.21	-1.13	6.11	No	
LRMW-3	2/19/2003	627.40	630.47	617.99	607.99	16.77	3.72	20.49	14.50	612.90	-0.31	5.71	No	
LRMW-3	4/17/2003	627.40	630.47	617.99	607.99	17.00	3.65	20.65	14.71	612.69	-0.21	5.48	No	
LRMW-3	5/15/2003	627.40	630.47	617.99	607.99	15.77	4.74	20.51	13.72	613.68	1.00	6.71	No	
LRMW-3	6/10/2003	627.40	630.47	617.99	607.99	15.19	5.45	20.64	13.29	614.11	0.43	7.29	No	
LRMW-3	7/30/2003	627.40	630.47	617.99	607.99	14.93	5.75	20.68	13.10	614.30	0.20	7.55	No	
LRMW-3	10/23/2003	627.40	630.47	617.99	607.99	16.69	3.86	20.55	14.45	612.95	-1.35	5.79	No	
LRMW-3	12/3/2003	628.06	630.45	617.97	607.97	16.90	3.63	20.53	15.29	612.77	-0.18	5.58	No	
LRMW-3	1/8/2004	628.06	630.45	617.97	607.97	17.53	3.23	20.76	15.83	612.23	-0.54	4.95	No	
LRMW-3	4/19/2004	628.06	630.45	617.97	607.97	16.28	4.35	20.63	14.82	613.24	1.01	6.20	No	
LRMW-3	7/27/2004	628.06	630.45	617.97	607.97	14.87	5.80	20.67	13.73	614.33	1.10	7.61	No	
LRMW-3	11/15/2004	628.06	630.45	617.97	607.97	13.49	7.65	21.14	12.74	615.32	0.98	8.99	No	
LRMW-3	4/18/2005	628.06	630.45	617.97	607.97	13.79	6.18	19.97	12.73	615.33	0.02	8.69	No	
LRMW-3	9/9/2005	628.06	630.45	617.97	607.97	15.40	4.89	20.29	14.06	614.00	-1.33	7.08	No	
LRMW-3	10/11/2005	628.06	630.45	617.97	607.97	12.87	7.23	20.10	12.03	616.03	2.03	9.61	No	
LRMW-3	5/23/2006	628.06	630.45	617.97	607.97	11.90	8.06	19.96	11.24	616.82	0.79	10.58	No	
LRMW-3	10/16/2006	628.06	630.45	617.97	607.97	15.52	4.72	20.24	14.14	613.92	-2.90	6.96	No	
LRMW-3	4/23/2007	628.06	630.45	617.97	607.97	15.40	4.79	20.19	14.04	614.02	0.10	7.08	No	
LRMW-3	9/25/2007	628.06	630.45	617.97	607.97	16.40	1.93	18.33	14.42	613.64	-0.39	6.08	No	
LRMW-3	5/1/2008	628.06	630.45	617.97	607.97	12.20	6.28	18.48	11.16	616.90	3.27	10.28	No	
LRMW-3	10/20/2008	628.06	630.45	617.97	607.97	12.48	6.89	19.37	11.57	616.49	-0.41	10.00	No	
LRMW-3	4/18/2009	628.06	630.45	617.97	607.97	13.66	5.63	19.29	12.48	615.58	-0.91	8.82	No	
LRMW-3	10/11/2009	628.06	630.45	617.97	607.97	14.93	5.40	20.33	13.70	614.36	-1.22	7.55	No	
LRMW-3	4/28/2010	628.06	630.45	617.97	607.97	14.54	5.61	20.15	13.36	614.70	0.34	7.94	No	
LRMW-3	10/25/2010	628.06	630.45	617.97	607.97	12.29	7.46	19.75	11.50	616.56	1.85	10.19	No	
LRMW-3	4/25/2011	628.06	630.45	617.97	607.97	12.84	7.01	19.85	11.96	616.10	-0.45	9.64	No	
LRMW-3	9/14/2011	628.06	630.45	617.97	607.97	13.09	7.20	20.29	12.25	615.81	-0.29	9.39	No	
LRMW-3	9/23/2011	628.06	630.45	617.97	607.97	13.51	6.60	20.11	12.54	615.52	-0.29	8.97	No	
LRMW-3	9/29/2011	628.06	630.45	617.97	607.97	13.63	6.42	20.05	12.62	615.44	-0.08	8.85	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-3	10/7/2011	628.06	630.45	617.97	607.97	13.97	5.98	19.95	12.86	615.20	-0.25	8.51	No	
LRMW-3	10/11/2011	628.06	630.45	617.97	607.97	14.26	6.28	20.54	13.22	614.84	-0.35	8.22	No	
LRMW-3	10/21/2011	628.06	630.45	617.97	607.97	14.38	5.75	20.13	13.23	614.83	-0.01	8.10	No	
LRMW-3	10/27/2011	628.06	630.45	617.97	607.97	14.49	5.65	20.14	13.31	614.75	-0.09	7.99	No	
LRMW-3	11/3/2011	628.06	630.45	617.97	607.97	14.79	5.45	20.24	13.57	614.49	-0.26	7.69	No	
LRMW-3	11/9/2011	628.06	630.45	617.97	607.97	14.81	5.21	20.02	13.54	614.52	0.03	7.67	No	
LRMW-3	11/17/2011	628.06	630.45	617.97	607.97	15.15	5.07	20.22	13.85	614.21	-0.31	7.33	No	
LRMW-3	11/22/2011	628.06	630.45	617.97	607.97	15.22	4.90	20.12	13.88	614.18	-0.03	7.26	No	
LRMW-3	12/1/2011	628.06	630.45	617.97	607.97	15.43	5.14	20.57	14.14	613.92	-0.26	7.05	No	
LRMW-3	1/4/2012	628.06	630.45	617.97	607.97	16.02	4.46	20.48	14.59	613.47	-0.44	6.46	No	
LRMW-3	2/16/2012	628.06	630.45	617.97	607.97	16.94	3.57	20.51	15.32	612.74	-0.73	5.54	No	
LRMW-3	3/13/2012	628.06	630.45	617.97	607.97	16.99	3.39	20.38	15.33	612.73	-0.01	5.49	No	
LRMW-3	4/11/2012	628.06	630.45	617.97	607.97	16.21	3.89	20.10	14.66	613.40	0.67	6.27	No	
LRMW-3	4/16/2012	628.06	630.45	617.97	607.97	16.09	3.64	19.73	14.48	613.58	0.17	6.39	No	Spill Buddy Before Reading
LRMW-3	5/18/2012	628.06	630.45	617.97	607.97	14.45	5.49	19.94	13.24	614.82	1.24	8.03	No	
LRMW-3	6/28/2012	628.06	630.45	617.97	607.97	10.26	9.55	19.81	9.92	618.14	3.32	12.22	Yes	
LRMW-3	7/10/2012	628.06	630.45	617.97	607.97	11.97	7.86	19.83	11.27	616.79	-1.35	10.51	No	
LRMW-3	7/24/2012	628.06	630.45	617.97	607.97	13.62	5.36	18.98	12.38	615.68	-1.11	8.86	No	Spill Buddy Before Reading
LRMW-3	8/17/2012	628.06	630.45	617.97	607.97	14.18	5.71	19.89	13.02	615.04	-0.64	8.30	No	
LRMW-3	8/28/2012	628.06	630.45	617.97	607.97	14.64	5.15	19.79	13.36	614.70	-0.34	7.84	No	
LRMW-3	9/17/2012	628.06	630.45	617.97	607.97	15.43	4.50	19.93	14.01	614.05	-0.65	7.05	No	Spill Buddy Before Reading
LRMW-3	9/28/2012	628.06	630.45	617.97	607.97	15.84	4.08	19.92	14.33	613.73	-0.32	6.64	No	
LRMW-3	9/30/2012	628.06	630.45	617.97	607.97	16.44	1.54	17.98	14.38	613.68	-0.05	6.04	No	Spill Buddy Before Reading
LRMW-3	11/21/2012	628.06	630.45	617.97	607.97	16.35	3.59	19.94	14.73	613.33	-0.35	6.13	No	
LRMW-3	12/17/2012	628.06	630.45	617.97	607.97	16.61	3.40	20.01	14.95	613.11	-0.22	5.87	No	
LRMW-3	3/25/2013	628.06	630.45	617.97	607.97	17.91	2.51	20.42	16.06	612.00	-1.11	4.57	No	
LRMW-3	5/6/2013	628.06	630.45	617.97	607.97	15.10	4.64	19.74	13.71	614.35	2.35	7.38	No	
LRMW-3	10/3/2013	628.06	630.45	617.97	607.97	15.95	4.16	20.11	14.45	613.61	-0.75	6.53	No	
LRMW-3	5/22/2014	628.06	630.45	617.97	607.97	10.56	9.22	19.78	10.15	617.91	4.30	11.92	No	
LRMW-3	10/31/2014	628.06	630.45	617.97	607.97	13.43	6.66	20.09	12.47	615.59	-2.32	9.05	No	
LRMW-3	4/15/2015	628.06	630.45	617.97	607.97	16.00	4.25	20.25	14.52	613.54	-2.05	6.48	No	
LRMW-3	4/22/2015	628.06	630.45	617.97	607.97	15.29	4.81	20.10	13.93	614.13	0.59	7.19	No	
LRMW-3	4/29/2015	628.06	630.45	617.97	607.97	15.02	4.85	19.87	13.67	614.39	0.26	7.46	No	
LRMW-3	5/6/2015	628.06	630.45	617.97	607.97	15.13	4.26	19.39	13.66	614.40	0.02	7.35	No	
LRMW-3	5/12/2015	628.06	630.45	617.97	607.97	14.33	5.54	19.87	13.13	614.93	0.52	8.15	No	
LRMW-3	6/9/2015	628.06	630.45	617.97	607.97	12.78	7.00	19.78	11.89	616.17	1.24	9.70	No	
LRMW-3	10/5/2015	628.06	630.45	617.97	607.97	12.66	7.10	19.76	11.80	616.26	0.10	9.82	No	
LRMW-3	5/23/2016	628.06	630.45	617.97	607.97	10.30	9.44	19.74	9.94	618.12	1.86	12.18	Yes	
LRMW-3	10/3/2016	628.06	630.45	617.97	607.97	12.57	7.18	19.75	11.72	616.34	-1.78	9.91	No	
LRMW-3	5/22/2017	628.06	630.45	617.97	607.97	8.78	10.85	19.63	8.72	619.34	3.00	13.70	Yes	
LRMW-3	5/31/2017	628.06	630.45	617.97	607.97	9.85	6.58	16.43	8.87	619.19	-0.15	12.63	Yes	
LRMW-3	6/29/2017	628.06	630.45	617.97	607.97	11.92	5.97	17.89	10.81	617.25	-1.94	10.56	No	
LRMW-3	8/8/2017	628.06	630.45	617.97	607.97	11.42	7.53	18.95	10.65	617.41	0.16	11.06	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-3	8/15/2017	628.06	630.45	617.97	607.97	11.66	3.29	14.95	9.98	618.08	0.67	10.82	Yes	
LRMW-3	8/22/2017	628.06	630.45	617.97	607.97	11.35	3.28	14.63	9.66	618.40	0.31	11.13	Yes	
LRMW-3	10/26/2017	628.06	630.45	617.97	607.97	8.91	10.68	19.59	8.81	619.25	0.85	13.57	Yes	
LRMW-3	5/28/2019	628.06	630.45	617.97	607.97	9.51	10.04	19.55	9.28	618.78	-0.46	12.97	Yes	
LRMW-3	10/8/2019	628.06	630.45	617.97	607.97	10.83	8.59	19.42	10.29	617.77	-1.01	11.65	No	
LRMW-3	5/26/2020	628.06	630.45	617.97	607.97	10.79	8.83	19.62	10.30	617.76	-0.01	11.69	No	
LRMW-3	5/24/2021	628.06	630.45	617.97	607.97	12.29	6.92	19.21	11.39	616.67	-1.09	10.19	No	
LRMW-4	2/8/2001	625.47	628.75	616.08	606.08	15.17	5.20	20.37	17.09	608.38	NA	7.50	No	
LRMW-4	2/23/2001	625.47	628.75	616.08	606.08	15.60	4.85	20.45	17.17	608.30	-0.08	7.07	No	
LRMW-4	4/24/2001	625.47	628.75	616.08	606.08	11.23	11.27	22.50	19.22	606.25	-2.05	11.44	No	
LRMW-4	5/23/2001	625.47	628.75	616.08	606.08	10.34	10.16	20.50	17.22	608.25	2.00	12.33	No	
LRMW-4	10/24/2001	625.47	628.75	616.08	606.08	14.35	6.12	20.47	17.19	608.28	0.03	8.32	No	
LRMW-4	12/20/2001	625.50	628.75	616.08	606.08	13.81	6.85	20.66	17.41	608.09	-0.19	8.86	No	
LRMW-4	1/22/2002	625.50	628.75	616.08	606.08	14.81	5.94	20.75	17.50	608.00	-0.09	7.86	No	
LRMW-4	4/24/2002	625.50	628.75	616.08	606.08	12.98	7.65	20.63	17.38	608.12	0.12	9.69	No	
LRMW-4	5/15/2002	625.50	628.75	616.08	606.08	11.75	8.78	20.53	17.28	608.22	0.10	10.92	No	
LRMW-4	6/27/2002	625.50	628.75	616.08	606.08	12.07	8.38	20.45	17.20	608.30	0.08	10.60	No	
LRMW-4	7/25/2002	625.50	628.75	616.08	606.08	12.63	7.92	20.55	17.30	608.20	-0.10	10.04	No	
LRMW-4	8/20/2002	625.50	628.75	616.08	606.08	11.88	8.54	20.42	17.17	608.33	0.13	10.79	No	
LRMW-4	9/9/2002	625.50	628.75	616.08	606.08	12.04	8.43	20.47	17.22	608.28	-0.05	10.63	No	
LRMW-4	9/30/2002	625.50	628.75	616.08	606.08	11.91	8.54	20.45	17.20	608.30	0.02	10.76	No	
LRMW-4	11/5/2002	625.50	628.75	616.08	606.08	11.48	8.99	20.47	17.22	608.28	-0.02	11.19	No	
LRMW-4	12/23/2002	625.50	628.75	616.08	606.08	13.86	6.70	20.56	17.31	608.19	-0.09	8.81	No	
LRMW-4	1/28/2003	625.50	628.75	616.08	606.08	15.06	5.45	20.51	17.26	608.24	0.05	7.61	No	
LRMW-4	2/19/2003	625.50	628.75	616.08	606.08	15.67	4.60	20.27	17.02	608.48	0.24	7.00	No	
LRMW-4	4/17/2003	625.50	628.75	616.08	606.08	15.89	4.06	19.95	16.70	608.80	0.32	6.78	No	
LRMW-4	5/15/2003	625.50	628.75	616.08	606.08	14.52	5.32	19.84	16.59	608.91	0.11	8.15	No	
LRMW-4	6/10/2003	625.50	628.75	616.08	606.08	14.08	5.79	19.87	16.62	608.88	-0.03	8.59	No	
LRMW-4	7/30/2003	625.50	628.75	616.08	606.08	13.97	5.91	19.88	16.63	608.87	-0.01	8.70	No	
LRMW-4	9/10/2003	625.50	628.75	616.08	606.08	15.46	4.61	20.07	16.82	608.68	-0.19	7.21	No	
LRMW-4	10/23/2003	625.50	628.75	616.08	606.08	15.61	4.44	20.05	16.80	608.70	0.02	7.06	No	
LRMW-4	12/3/2003	625.49	628.70	616.03	606.03	15.84	3.98	19.82	16.61	608.88	0.18	6.83	No	
LRMW-4	1/8/2004	625.49	628.70	616.03	606.03	16.53	3.42	19.95	16.74	608.75	-0.13	6.14	No	
LRMW-4	4/19/2004	625.49	628.70	616.03	606.03	14.86	5.22	20.08	16.87	608.62	-0.13	7.81	No	
LRMW-4	7/27/2004	625.49	628.70	616.03	606.03	13.91	5.78	19.69	16.48	609.01	0.39	8.76	No	
LRMW-4	11/15/2004	625.49	628.70	616.03	606.03	12.46	7.21	19.67	16.46	609.03	0.02	10.21	No	
LRMW-4	4/18/2005	625.49	628.70	616.03	606.03	12.55	7.04	19.59	16.38	609.11	0.08	10.12	No	
LRMW-4	9/9/2005	625.49	628.70	616.03	606.03	14.57	4.91	19.48	16.27	609.22	0.11	8.10	No	
LRMW-4	10/11/2005	625.49	628.70	616.03	606.03	11.80	7.70	19.50	16.29	609.20	-0.02	10.87	No	
LRMW-4	5/23/2006	625.49	628.70	616.03	606.03	11.22	7.95	19.17	15.96	609.53	0.33	11.45	No	
LRMW-4	10/16/2006	625.49	628.70	616.03	606.03	14.62	4.81	19.43	16.22	609.27	-0.26	8.05	No	
LRMW-4	4/23/2007	625.49	628.70	616.03	606.03	14.09	5.58	19.67	16.46	609.03	-0.24	8.58	No	

Table 4
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-4	9/25/2007	625.49	628.53	615.86	605.86	14.38	4.97	19.35	16.31	609.18	0.15	8.29	No	
LRMW-4	5/1/2008	625.49	628.53	615.86	605.86	10.74	7.97	18.71	15.67	609.82	0.64	11.93	No	
LRMW-4	10/20/2008	625.49	628.53	615.86	605.86	11.03	7.78	18.81	15.77	609.72	-0.10	11.64	No	
LRMW-4	8/31/2011	625.49	628.53	615.86	605.86	11.26	7.55	18.81	15.77	609.72	0.00	11.41	No	
LRMW-4	9/14/2011	625.49	628.53	615.86	605.86	12.50	6.34	18.84	15.80	609.69	-0.03	10.17	No	
LRMW-4	9/23/2011	625.49	628.53	615.86	605.86	12.84	5.99	18.83	15.79	609.70	0.01	9.83	No	
LRMW-4	9/29/2011	625.49	628.53	615.86	605.86	12.95	5.97	18.92	15.88	609.61	-0.09	9.72	No	
LRMW-4	10/7/2011	625.49	628.53	615.86	605.86	13.22	5.63	18.85	15.81	609.68	0.07	9.45	No	
LRMW-4	10/11/2011	625.49	628.53	615.86	605.86	13.77	4.98	18.75	15.71	609.78	0.10	8.90	No	
LRMW-4	10/21/2011	625.49	628.53	615.86	605.86	13.62	5.22	18.84	15.80	609.69	-0.09	9.05	No	
LRMW-4	10/27/2011	625.49	628.53	615.86	605.86	13.76	5.09	18.85	15.81	609.68	-0.01	8.91	No	
LRMW-4	11/3/2011	625.49	628.53	615.86	605.86	14.08	4.77	18.85	15.81	609.68	0.00	8.59	No	
LRMW-4	11/9/2011	625.49	628.53	615.86	605.86	14.02	4.82	18.84	15.80	609.69	0.01	8.65	No	
LRMW-4	11/17/2011	625.49	628.53	615.86	605.86	14.40	4.45	18.85	15.81	609.68	-0.01	8.27	No	
LRMW-4	11/22/2011	625.49	628.53	615.86	605.86	14.43	4.47	18.90	15.86	609.63	-0.05	8.24	No	
LRMW-4	12/1/2011	625.49	628.53	615.86	605.86	14.72	4.25	18.97	15.93	609.56	-0.07	7.95	No	
LRMW-4	1/4/2012	625.49	628.53	615.86	605.86	15.25	3.77	19.02	15.98	609.51	-0.05	7.42	No	
LRMW-4	2/16/2012	625.49	628.53	615.86	605.86	16.13	2.91	19.04	16.00	609.49	-0.02	6.54	No	
LRMW-4	3/13/2012	625.49	628.53	615.86	605.86	16.05	2.84	18.89	15.85	609.64	0.15	6.62	No	
LRMW-4	4/12/2012	625.49	628.53	615.86	605.86	15.10	3.94	19.04	16.00	609.49	-0.15	7.57	No	
LRMW-4	4/16/2012	625.49	628.53	615.86	605.86	14.76	4.18	18.94	15.90	609.59	0.10	7.91	No	Spill Buddy Before Reading
LRMW-4	5/18/2012	625.49	628.53	615.86	605.86	13.40	5.68	19.08	16.04	609.45	-0.14	9.27	No	
LRMW-4	6/28/2012	625.49	628.53	615.86	605.86	9.34	9.50	18.84	15.80	609.69	0.24	13.33	No	
LRMW-4	7/10/2012	625.49	628.53	615.86	605.86	11.05	7.90	18.95	15.91	609.58	-0.11	11.62	No	
LRMW-4	7/24/2012	625.49	628.53	615.86	605.86	12.52	6.43	18.95	15.91	609.58	0.00	10.15	No	Spill Buddy Before Reading
LRMW-4	8/17/2012	625.49	628.53	615.86	605.86	13.34	5.56	18.90	15.86	609.63	0.05	9.33	No	
LRMW-4	8/28/2012	625.49	628.53	615.86	605.86	13.80	5.04	18.84	15.80	609.69	0.06	8.87	No	
LRMW-4	9/17/2012	625.49	628.53	615.86	605.86	14.01	4.89	18.90	15.86	609.63	-0.06	8.66	No	Spill Buddy Before Reading
LRMW-4	9/28/2012	625.49	628.53	615.86	605.86	15.02	3.86	18.88	15.84	609.65	0.02	7.65	No	
LRMW-4	9/30/2012	625.49	628.53	615.86	605.86	15.07	3.60	18.67	15.63	609.86	0.21	7.60	No	Spill Buddy Before Reading
LRMW-4	11/21/2012	625.49	628.53	615.86	605.86	15.42	3.40	18.82	15.78	609.71	-0.15	7.25	No	
LRMW-4	12/17/2012	625.49	628.53	615.86	605.86	15.66	3.17	18.83	15.79	609.70	-0.01	7.01	No	
LRMW-4	3/25/2013	625.49	628.53	615.86	605.86	17.03	1.77	18.80	15.76	609.73	0.03	5.64	No	
LRMW-4	5/6/2013	625.49	628.53	615.86	605.86	13.82	4.91	18.73	15.69	609.80	0.07	8.85	No	
LRMW-4	10/3/2013	625.49	628.53	615.86	605.86	15.04	3.71	18.75	15.71	609.78	-0.02	7.63	No	
LRMW-4	5/22/2014	625.49	628.53	615.86	605.86	9.61	5.84	15.45	12.41	613.08	3.30	13.06	No	
LRMW-4	10/31/2014	625.49	628.53	615.86	605.86	12.75	5.74	18.49	15.45	610.04	-3.04	9.92	No	
LRMW-4	4/15/2015	625.49	628.53	615.86	605.86	14.95	3.55	18.50	15.46	610.03	-0.01	7.72	No	
LRMW-4	4/22/2015	625.49	628.53	615.86	605.86	14.24	4.17	18.41	15.37	610.12	0.09	8.43	No	
LRMW-4	4/29/2015	625.49	628.53	615.86	605.86	14.28	2.97	17.25	14.21	611.28	1.16	8.39	No	
LRMW-4	5/6/2015	625.49	628.53	615.86	605.86	14.33	2.82	17.15	14.11	611.38	0.10	8.34	No	
LRMW-4	5/12/2015	625.49	628.53	615.86	605.86	13.23	5.06	18.29	15.25	610.24	-1.14	9.44	No	
LRMW-4	6/9/2015	625.49	628.53	615.86	605.86	11.81	6.57	18.38	15.34	610.15	-0.09	10.86	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-4	10/5/2015	625.49	628.53	615.86	605.86	12.00	5.85	17.85	14.81	610.68	0.53	10.67	No	
LRMW-4	5/23/2016	625.49	628.53	615.86	605.86	9.70	8.90	18.60	15.56	609.93	-0.75	12.97	No	
LRMW-4	10/3/2016	625.49	628.53	615.86	605.86	11.87	6.81	18.68	15.64	609.85	-0.08	10.80	No	
LRMW-4	5/2/2017	625.49	628.53	615.86	605.86	9.73	8.93	18.66	15.62	609.87	0.02	12.94	No	
LRMW-4	5/18/2017	625.49	628.53	615.86	605.86	10.02	7.48	17.50	14.46	611.03	1.16	12.65	No	
LRMW-4	5/22/2017	625.49	628.53	615.86	605.86	9.38	4.80	14.18	11.14	614.35	3.32	13.29	No	
LRMW-4	5/25/2017	625.49	628.53	615.86	605.86	9.99	3.16	13.15	10.11	615.38	1.03	12.68	No	
LRMW-4	5/31/2017	625.49	628.53	615.86	605.86	9.54	4.29	13.83	10.79	614.70	-0.68	13.13	No	
LRMW-4	6/29/2017	625.49	628.53	615.86	605.86	10.56	7.97	18.53	15.49	610.00	-4.70	12.11	No	
LRMW-4	7/7/2017	625.49	628.53	615.86	605.86	10.88	4.02	14.90	11.86	613.63	3.63	11.79	No	
LRMW-4	7/12/2017	625.49	628.53	615.86	605.86	11.12	2.44	13.56	10.52	614.97	1.34	11.55	No	
LRMW-4	7/19/2017	625.49	628.53	615.86	605.86	11.13	2.13	13.26	10.22	615.27	0.30	11.54	No	
LRMW-4	7/26/2017	625.49	628.53	615.86	605.86	11.34	2.35	13.69	10.65	614.84	-0.43	11.33	No	
LRMW-4	8/4/2017	625.49	628.53	615.86	605.86	11.83	1.52	13.35	10.31	615.18	0.34	10.84	No	
LRMW-4	8/8/2017	625.49	628.53	615.86	605.86	11.91	1.69	13.60	10.56	614.93	-0.25	10.76	No	
LRMW-4	8/15/2017	625.49	628.53	615.86	605.86	11.07	2.16	13.23	10.19	615.30	0.37	11.60	No	
LRMW-4	8/22/2017	625.49	628.53	615.86	605.86	10.84	1.88	12.72	9.68	615.81	0.51	11.83	No	
LRMW-4	10/26/2017	625.49	628.53	615.86	605.86	9.51	5.16	14.67	11.63	613.86	-1.95	13.16	No	
LRMW-4	5/26/2020	625.49	628.53	615.86	605.86	10.15	8.35	18.50	15.46	610.03	-3.83	12.52	No	
LRMW-4	5/24/2021	625.49	628.53	615.86	605.86	11.19	7.27	18.46	15.42	610.07	0.04	11.48	No	
LRMW-5	2/8/2001	626.05	629.37	615.90	605.90	17.03	0.07	17.10	13.73	612.32	NA	6.44	No	
LRMW-5	2/23/2001	626.05	629.37	615.90	605.90	17.35	0.16	17.51	14.06	611.99	-0.34	6.12	No	
LRMW-5	4/24/2001	626.05	629.37	615.90	605.90	15.12	0.10	15.22	11.82	614.23	2.24	8.35	No	
LRMW-5	5/23/2001	626.05	629.37	615.90	605.90	14.51	0.31	14.82	11.26	614.79	0.56	8.96	No	
LRMW-5	10/24/2001	626.05	629.37	615.90	605.90	15.83	2.20	18.03	12.98	613.07	-1.73	7.64	No	
LRMW-5	12/20/2001	626.10	629.37	615.90	605.90	15.09	1.93	17.02	12.23	613.87	0.80	8.38	No	
LRMW-5	1/22/2002	626.10	629.37	615.90	605.90	15.89	2.14	18.03	13.08	613.02	-0.85	7.58	No	
LRMW-5	4/24/2002	626.10	629.37	615.90	605.90	14.29	0.94	15.23	11.22	614.88	1.86	9.18	No	
LRMW-5	5/15/2002	626.10	629.37	615.90	605.90	13.74	0.32	14.06	10.54	615.56	0.68	9.73	No	
LRMW-5	6/27/2002	626.10	629.37	615.90	605.90	13.93	0.45	14.38	10.76	615.34	-0.22	9.54	No	
LRMW-5	7/25/2002	626.10	629.37	615.90	605.90	14.43	1.14	15.57	11.40	614.70	-0.65	9.04	No	
LRMW-5	8/20/2002	626.10	629.37	615.90	605.90	NP	0.00	14.55	11.28	614.82	0.12	8.92	No	
LRMW-5	9/30/2002	626.10	629.37	615.90	605.90	14.06	0.67	14.73	10.93	615.17	0.35	9.41	No	
LRMW-5	11/5/2002	626.10	629.37	615.90	605.90	13.66	0.42	14.08	10.48	615.62	0.45	9.81	No	
LRMW-5	12/23/2002	626.10	629.37	615.90	605.90	14.97	2.25	17.22	12.18	613.92	-1.70	8.50	No	
LRMW-5	1/28/2003	626.10	629.37	615.90	605.90	15.84	2.44	18.28	13.09	613.01	-0.91	7.63	No	
LRMW-5	2/19/2003	626.10	629.37	615.90	605.90	16.56	2.38	18.94	13.80	612.30	-0.71	6.91	No	
LRMW-5	4/17/2003	626.10	629.37	615.90	605.90	16.78	1.93	18.71	13.92	612.18	-0.12	6.69	No	
LRMW-5	5/15/2003	626.10	629.37	615.90	605.90	15.38	2.16	17.54	12.57	613.53	1.35	8.09	No	
LRMW-5	6/10/2003	626.10	629.37	615.90	605.90	14.99	2.50	17.49	12.26	613.84	0.32	8.48	No	
LRMW-5	7/30/2003	626.10	629.37	615.90	605.90	15.01	2.59	17.60	12.30	613.80	-0.04	8.46	No	
LRMW-5	9/10/2003	626.10	629.37	615.90	605.90	16.39	2.92	19.31	13.75	612.35	-1.45	7.08	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-5	10/23/2003	626.10	629.37	615.90	605.90	16.66	2.73	19.39	13.98	612.12	-0.23	6.81	No	
LRMW-5	12/3/2003	626.69	629.37	615.90	605.90	16.72	2.72	19.44	14.62	612.07	-0.06	6.75	No	
LRMW-5	1/8/2004	626.69	629.37	615.90	605.90	17.30	2.66	19.96	15.19	611.50	-0.57	6.17	No	
LRMW-5	2/24/2004	626.69	629.37	615.90	605.90	17.89	2.59	20.48	15.77	610.92	-0.57	5.58	No	
LRMW-5	4/19/2004	626.69	629.37	615.90	605.90	15.30	3.51	18.81	13.37	613.32	2.39	8.17	No	
LRMW-5	7/27/2004	626.69	629.37	615.90	605.90	14.65	3.65	18.30	12.75	613.94	0.62	8.82	No	
LRMW-5	11/16/2004	626.69	629.37	615.90	605.90	13.96	2.40	16.36	11.80	614.89	0.96	9.51	No	
LRMW-5	4/18/2005	626.69	629.37	615.90	605.90	13.48	2.11	15.59	11.25	615.44	0.54	9.99	No	
LRMW-5	9/9/2005	626.69	629.37	615.90	605.90	15.06	5.50	20.56	13.56	613.13	-2.31	8.41	No	
LRMW-5	10/11/2005	626.69	629.37	615.90	605.90	13.54	1.97	15.51	11.28	615.41	2.28	9.93	No	
LRMW-5	5/23/2006	626.69	629.37	615.90	605.90	11.11	7.65	18.76	10.07	616.62	1.21	12.36	Yes	
LRMW-5	10/16/2006	626.69	629.37	615.90	605.90	15.33	4.93	20.26	13.71	612.98	-3.64	8.14	No	
LRMW-5	4/23/2007	626.69	629.37	615.90	605.90	13.92	4.67	18.59	12.24	614.45	1.47	9.55	No	
LRMW-5	9/25/2007	626.69	629.20	615.73	605.73	14.44	4.58	19.02	12.91	613.78	-0.67	9.03	No	
LRMW-5	5/1/2008	626.69	629.20	615.73	605.73	10.91	6.38	17.29	9.77	616.92	3.14	12.56	Yes	
LRMW-5	10/20/2008	626.69	629.20	615.73	605.73	10.97	7.60	18.57	10.09	616.60	-0.32	12.50	Yes	
LRMW-5	4/18/2009	626.69	629.20	615.73	605.73	11.31	7.30	18.61	10.37	616.32	-0.28	12.16	Yes	
LRMW-5	10/11/2009	626.69	629.20	615.73	605.73	14.74	2.85	17.59	12.84	613.85	-2.47	8.73	No	
LRMW-5	4/28/2010	626.69	629.20	615.73	605.73	13.31	3.79	17.10	11.61	615.08	1.23	10.16	No	
LRMW-5	10/25/2010	626.69	629.20	615.73	605.73	12.13	4.42	16.55	10.57	616.12	1.04	11.34	Yes	
LRMW-5	4/25/2011	626.69	629.20	615.73	605.73	11.97	3.83	15.80	10.28	616.41	0.29	11.50	Yes	
LRMW-5	9/14/2011	626.69	629.20	615.73	605.73	13.09	3.85	16.94	11.41	615.28	-1.12	10.38	No	
LRMW-5	9/23/2011	626.69	629.20	615.73	605.73	13.28	4.86	18.14	11.81	614.88	-0.41	10.19	No	
LRMW-5	9/29/2011	626.69	629.20	615.73	605.73	13.34	5.02	18.36	11.91	614.78	-0.09	10.13	No	
LRMW-5	10/7/2011	626.69	629.20	615.73	605.73	13.53	5.66	19.19	12.24	614.45	-0.33	9.94	No	
LRMW-5	10/11/2011	626.69	629.20	615.73	605.73	13.61	5.86	19.47	12.36	614.33	-0.12	9.86	No	
LRMW-5	10/21/2011	626.69	629.20	615.73	605.73	13.77	6.07	19.84	12.56	614.13	-0.21	9.70	No	
LRMW-5	10/27/2011	626.69	629.20	615.73	605.73	13.91	6.02	19.93	12.69	614.00	-0.13	9.56	No	
LRMW-5	11/3/2011	626.69	629.20	615.73	605.73	14.22	5.83	20.05	12.96	613.73	-0.27	9.25	No	
LRMW-5	11/9/2011	626.69	629.20	615.73	605.73	14.26	5.69	19.95	12.97	613.72	-0.01	9.21	No	
LRMW-5	11/17/2011	626.69	629.20	615.73	605.73	14.63	5.50	20.13	13.30	613.39	-0.33	8.84	No	
LRMW-5	11/22/2011	626.69	629.20	615.73	605.73	14.65	5.37	20.02	13.29	613.40	0.01	8.82	No	
LRMW-5	12/1/2011	626.69	629.20	615.73	605.73	14.94	5.12	20.06	13.53	613.16	-0.24	8.53	No	
LRMW-5	1/4/2012	626.69	629.20	615.73	605.73	15.52	4.43	19.95	13.96	612.73	-0.43	7.95	No	
LRMW-5	2/16/2012	626.69	629.20	615.73	605.73	16.44	3.45	19.89	14.67	612.02	-0.71	7.03	No	
LRMW-5	3/13/2012	626.69	629.20	615.73	605.73	16.51	3.12	19.63	14.67	612.02	0.00	6.96	No	
LRMW-5	4/12/2012	626.69	629.20	615.73	605.73	15.25	3.79	19.04	13.55	613.14	1.12	8.22	No	
LRMW-5	4/16/2012	626.69	629.20	615.73	605.73	15.05	3.84	18.89	13.37	613.32	0.19	8.42	No	Cannot get Spill Buddy in Well
LRMW-5	5/18/2012	626.69	629.20	615.73	605.73	13.68	3.92	17.60	12.01	614.68	1.35	9.79	No	
LRMW-5	6/28/2012	626.69	629.20	615.73	605.73	10.71	3.83	14.54	9.02	617.67	2.99	12.76	Yes	
LRMW-5	7/24/2012	626.69	629.20	615.73	605.73	13.19	4.10	17.29	11.56	615.13	-2.54	10.28	No	
LRMW-5	8/17/2012	626.69	629.20	615.73	605.73	13.58	5.71	19.29	12.30	614.39	-0.74	9.89	No	
LRMW-5	8/28/2012	626.69	629.20	615.73	605.73	14.28	5.71	19.99	13.00	613.69	-0.70	9.19	No	

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Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-5	8/28/2012	626.69	629.20	615.73	605.73	19.36	1.02	20.38	17.07	609.62	-4.07	4.11	No	Hand Bail before reading
LRMW-5	9/17/2012	626.69	629.20	615.73	605.73	15.41	2.53	17.94	13.44	613.25	3.63	8.06	No	Hand Bail after reading
LRMW-5	9/30/2012	626.69	629.20	615.73	605.73	15.80	2.49	18.29	13.82	612.87	-0.38	7.67	No	
LRMW-5	11/21/2012	626.69	629.20	615.73	605.73	16.32	2.20	18.52	14.28	612.41	-0.46	7.15	No	
LRMW-5	12/17/2012	626.69	629.20	615.73	605.73	16.64	2.04	18.68	14.57	612.12	-0.29	6.83	No	
LRMW-5	3/25/2013	626.69	629.20	615.73	605.73	17.52	1.94	19.46	15.43	611.26	-0.86	5.95	No	
LRMW-5	5/6/2013	626.69	629.20	615.73	605.73	14.53	2.43	16.96	12.54	614.15	2.88	8.94	No	
LRMW-5	10/3/2013	626.69	629.20	615.73	605.73	15.53	3.39	18.92	13.75	612.94	-1.21	7.94	No	
LRMW-5	5/22/2014	626.69	629.20	615.73	605.73	10.85	3.11	13.96	9.01	617.68	4.74	12.62	Yes	
LRMW-5	10/31/2014	626.69	629.20	615.73	605.73	13.30	3.78	17.08	11.60	615.09	-2.59	10.17	No	
LRMW-5	4/15/2015	626.69	629.20	615.73	605.73	14.35	5.24	19.59	12.97	613.72	-1.36	9.12	No	
LRMW-5	4/22/2015	626.69	629.20	615.73	605.73	14.45	1.15	15.60	12.19	614.50	0.78	9.02	No	
LRMW-5	4/29/2015	626.69	629.20	615.73	605.73	14.37	0.18	14.55	11.90	614.79	0.29	9.10	No	
LRMW-5	5/6/2015	626.69	629.20	615.73	605.73	14.38	0.20	14.58	11.91	614.78	-0.01	9.09	No	
LRMW-5	5/12/2015	626.69	629.20	615.73	605.73	13.83	0.12	13.95	11.35	615.34	0.57	9.64	No	
LRMW-5	6/9/2015	626.69	629.20	615.73	605.73	12.83	0.40	13.23	10.41	616.28	0.94	10.64	Yes	
LRMW-5	10/5/2015	626.69	629.20	615.73	605.73	13.25	0.27	13.52	10.80	615.89	-0.39	10.22	Yes	
LRMW-5	5/23/2016	626.69	629.20	615.73	605.73	10.80	2.89	13.69	8.91	617.78	1.89	12.67	Yes	
LRMW-5	10/3/2016	626.69	629.20	615.73	605.73	14.13	1.19	15.32	11.88	614.81	-2.96	9.34	No	
LRMW-5	5/2/2017	626.69	629.20	615.73	605.73	10.63	3.44	14.07	8.86	617.83	3.02	12.84	Yes	
LRMW-5	5/22/2017	626.69	629.20	615.73	605.73	9.65	3.40	13.05	7.87	618.82	0.99	13.82	Yes	
LRMW-5	5/31/2017	626.69	629.20	615.73	605.73	9.92	2.38	12.30	7.92	618.77	-0.05	13.55	Yes	
LRMW-5	6/22/2017	626.69	629.20	615.73	605.73	11.89	0.66	12.55	9.52	617.17	-1.60	11.58	Yes	
LRMW-5	6/29/2017	626.69	629.20	615.73	605.73	NP	0.00	15.09	12.58	614.11	-3.06	8.38	No	
LRMW-5	10/26/2017	626.69	629.20	615.73	605.73	10.10	3.04	13.14	8.24	618.45	4.34	13.37	Yes	
LRMW-5	5/28/2019	626.69	629.20	615.73	605.73	10.07	3.61	13.68	8.34	618.35	-0.09	13.40	Yes	
LRMW-5	5/26/2020	626.69	629.20	615.73	605.73	11.31	2.07	13.38	9.24	617.45	-0.91	12.16	Yes	
LRMW-5	5/24/2021	626.69	629.20	615.73	605.73	12.10	1.74	13.84	9.96	616.73	-0.72	11.37	Yes	
LRMW-6	2/8/2001	628.97	632.50	619.36	609.36	NP	0.00	19.47	15.94	613.03	NA	3.67	No	
LRMW-6	2/22/2001	628.97	632.50	619.36	609.36	NP	0.00	19.55	16.02	612.95	-0.08	3.59	No	
LRMW-6	5/23/2001	628.97	632.50	619.36	609.36	NP	0.00	15.70	12.17	616.80	3.85	7.44	No	
LRMW-6	10/24/2001	628.97	632.50	619.36	609.36	NP	0.00	18.82	15.29	613.68	-3.12	4.32	No	
LRMW-6	12/20/2001	629.00	632.50	619.36	609.36	NP	0.00	18.44	14.94	614.06	0.38	4.70	No	
LRMW-6	1/22/2002	629.00	632.50	619.36	609.36	NP	0.00	19.26	15.76	613.24	-0.82	3.88	No	
LRMW-6	5/15/2002	629.00	632.50	619.36	609.36	NP	0.00	16.87	13.37	615.63	2.39	6.27	No	
LRMW-6	6/27/2002	629.00	632.50	619.36	609.36	NP	0.00	17.11	13.61	615.39	-0.24	6.03	No	
LRMW-6	7/25/2002	629.00	632.50	619.36	609.36	NP	0.00	17.53	14.03	614.97	-0.42	5.61	No	
LRMW-6	8/20/2002	629.00	632.50	619.36	609.36	NP	0.00	16.94	13.44	615.56	0.59	6.20	No	
LRMW-6	9/30/2002	629.00	632.50	619.36	609.36	NP	0.00	16.90	13.40	615.60	0.04	6.24	No	
LRMW-6	11/5/2002	629.00	632.50	619.36	609.36	NP	0.00	17.90	14.40	614.60	-1.00	5.24	No	
LRMW-6	12/23/2002	629.00	632.50	619.36	609.36	NP	0.00	18.45	14.95	614.05	-0.55	4.69	No	
LRMW-6	1/28/2003	629.00	632.50	619.36	609.36	NP	0.00	19.38	15.88	613.12	-0.93	3.76	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-6	2/19/2003	629.00	632.50	619.36	609.36	NP	0.00	18.94	15.44	613.56	0.44	4.20	No	
LRMW-6	4/17/2003	629.00	632.50	619.36	609.36	NP	0.00	23.14	19.64	609.36	-4.20	0.00	No	
LRMW-6	5/15/2003	629.00	632.50	619.36	609.36	NP	0.00	18.99	15.49	613.51	4.15	4.15	No	
LRMW-6	6/10/2003	629.00	632.50	619.36	609.36	NP	0.00	18.57	15.07	613.93	0.42	4.57	No	
LRMW-6	7/30/2003	629.00	632.50	619.36	609.36	NP	0.00	18.40	14.90	614.10	0.17	4.74	No	
LRMW-6	10/22/2003	629.00	632.50	619.36	609.36	NP	0.00	19.68	16.18	612.82	-1.28	3.46	No	
LRMW-6	12/3/2003	629.30	632.45	619.31	609.31	NP	0.00	19.89	16.74	612.56	-0.26	3.25	No	
LRMW-6	1/8/2004	629.30	632.45	619.31	609.31	NP	0.00	20.43	17.28	612.02	-0.54	2.71	No	
LRMW-6	4/19/2004	629.30	632.45	619.31	609.31	NP	0.00	19.41	16.26	613.04	1.02	3.73	No	
LRMW-6	7/27/2004	629.30	632.45	619.31	609.31	NP	0.00	18.32	15.17	614.13	1.09	4.82	No	
LRMW-6	11/18/2004	629.30	632.45	619.31	609.31	NP	0.00	17.12	13.97	615.33	1.20	6.02	No	
LRMW-6	4/18/2005	629.30	632.45	619.31	609.31	NP	0.00	16.92	13.77	615.53	0.20	6.22	No	
LRMW-6	10/11/2005	629.30	632.45	619.31	609.31	NP	0.00	16.56	13.41	615.89	0.36	6.58	No	
LRMW-6	5/23/2006	629.30	632.45	619.31	609.31	NP	0.00	15.77	12.62	616.68	0.79	7.37	No	
LRMW-6	10/16/2006	629.30	632.45	619.31	609.31	NP	0.00	18.54	15.39	613.91	-2.77	4.60	No	
LRMW-6	4/23/2007	629.30	632.45	619.31	609.31	NP	0.00	18.34	15.19	614.11	0.20	4.80	No	
LRMW-6	9/25/2007	629.30	632.32	619.18	609.18	NP	0.00	18.71	15.69	613.61	-0.50	4.43	No	
LRMW-6	5/1/2008	629.30	632.32	619.18	609.18	NP	0.00	15.43	12.41	616.89	3.28	7.71	No	
LRMW-6	10/20/2008	629.30	632.32	619.18	609.18	NP	0.00	15.28	12.26	617.04	0.15	7.86	No	
LRMW-6	4/18/2009	629.30	632.32	619.18	609.18	NP	0.00	16.22	13.20	616.10	-0.94	6.92	No	
LRMW-6	10/11/2009	629.30	632.32	619.18	609.18	NP	0.00	17.99	14.97	614.33	-1.77	5.15	No	
LRMW-6	4/28/2010	629.30	632.32	619.18	609.18	NP	0.00	17.62	14.60	614.70	0.37	5.52	No	
LRMW-6	10/25/2010	629.30	632.32	619.18	609.18	NP	0.00	15.99	12.97	616.33	1.63	7.15	No	
LRMW-6	4/25/2011	629.30	632.32	619.18	609.18	NP	0.00	16.05	13.03	616.27	-0.06	7.09	No	
LRMW-6	9/14/2011	629.30	632.32	619.18	609.18	NP	0.00	16.75	13.73	615.57	-0.70	6.39	No	
LRMW-6	9/23/2011	629.30	632.32	619.18	609.18	NP	0.00	17.02	14.00	615.30	-0.27	6.12	No	
LRMW-6	9/29/2011	629.30	632.32	619.18	609.18	NP	0.00	17.02	14.00	615.30	0.00	6.12	No	
LRMW-6	10/7/2011	629.30	632.32	619.18	609.18	NP	0.00	17.21	14.19	615.11	-0.19	5.93	No	
LRMW-6	10/11/2011	629.30	632.32	619.18	609.18	NP	0.00	17.23	14.21	615.09	-0.02	5.91	No	
LRMW-6	10/21/2011	629.30	632.32	619.18	609.18	NP	0.00	17.58	14.56	614.74	-0.35	5.56	No	
LRMW-6	10/27/2011	629.30	632.32	619.18	609.18	NP	0.00	17.66	14.64	614.66	-0.08	5.48	No	
LRMW-6	11/3/2011	629.30	632.32	619.18	609.18	NP	0.00	17.96	14.94	614.36	-0.30	5.18	No	
LRMW-6	11/9/2011	629.30	632.32	619.18	609.18	NP	0.00	17.90	14.88	614.42	0.06	5.24	No	
LRMW-6	11/17/2011	629.30	632.32	619.18	609.18	NP	0.00	18.25	15.23	614.07	-0.35	4.89	No	
LRMW-6	11/22/2011	629.30	632.32	619.18	609.18	NP	0.00	18.22	15.20	614.10	0.03	4.92	No	
LRMW-6	12/1/2011	629.30	632.32	619.18	609.18	NP	0.00	18.36	15.34	613.96	-0.14	4.78	No	
LRMW-6	1/4/2012	629.30	632.32	619.18	609.18	NP	0.00	18.92	15.90	613.40	-0.56	4.22	No	
LRMW-6	2/16/2012	629.30	632.32	619.18	609.18	NP	0.00	19.71	16.69	612.61	-0.79	3.43	No	
LRMW-6	3/13/2012	629.30	632.32	619.18	609.18	NP	0.00	19.78	16.76	612.54	-0.07	3.36	No	
LRMW-6	4/16/2012	629.30	632.32	619.18	609.18	NP	0.00	18.34	15.32	613.98	1.44	4.80	No	
LRMW-6	5/18/2012	629.30	632.32	619.18	609.18	NP	0.00	17.48	14.46	614.84	0.86	5.66	No	
LRMW-6	6/28/2012	629.30	632.32	619.18	609.18	NP	0.00	14.33	11.31	617.99	3.15	8.81	No	
LRMW-6	7/24/2012	629.30	632.32	619.18	609.18	NP	0.00	16.81	13.79	615.51	-2.48	6.33	No	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-6	8/17/2012	629.30	632.32	619.18	609.18	NP	0.00	17.44	14.42	614.88	-0.63	5.70	No	
LRMW-6	9/17/2012	629.30	632.32	619.18	609.18	NP	0.00	18.45	15.43	613.87	-1.01	4.69	No	
LRMW-6	9/30/2012	629.30	632.32	619.18	609.18	NP	0.00	18.75	15.73	613.57	-0.30	4.39	No	
LRMW-6	11/21/2012	629.30	632.32	619.18	609.18	NP	0.00	18.83	15.81	613.49	-0.08	4.31	No	
LRMW-6	12/17/2012	629.30	632.32	619.18	609.18	NP	0.00	18.97	15.95	613.35	-0.14	4.17	No	
LRMW-6	3/25/2013	629.30	632.32	619.18	609.18	NP	0.00	20.39	17.37	611.93	-1.42	2.75	No	
LRMW-6	5/6/2013	629.30	632.32	619.18	609.18	NP	0.00	17.69	14.67	614.63	2.70	5.45	No	
LRMW-6	10/3/2013	629.30	632.32	619.18	609.18	NP	0.00	18.73	15.71	613.59	-1.04	4.41	No	
LRMW-6	5/21/2014	629.30	632.32	619.18	609.18	NP	0.00	14.52	11.50	617.80	4.21	8.62	No	
LRMW-6	10/31/2014	629.30	632.32	619.18	609.18	NP	0.00	16.93	13.91	615.39	-2.41	6.21	No	
LRMW-6	5/6/2015	629.30	632.32	619.18	609.18	NP	0.00	17.84	14.82	614.48	-0.91	5.30	No	
LRMW-6	10/5/2015	629.30	632.32	619.18	609.18	NP	0.00	16.17	13.15	616.15	1.67	6.97	No	
LRMW-6	5/23/2016	629.30	632.32	619.18	609.18	NP	0.00	14.27	11.25	618.05	1.90	8.87	No	
LRMW-6	10/3/2016	629.30	632.32	619.18	609.18	NP	0.00	15.98	12.96	616.34	-1.71	7.16	No	
LRMW-6	8/8/2017	629.30	632.32	619.18	609.18	NP	0.00	15.06	12.04	617.26	0.92	8.08	No	
LRMW-6	8/15/2017	629.30	632.32	619.18	609.18	NP	0.00	14.28	11.26	618.04	0.78	8.86	No	
LRMW-6	5/30/2018	629.30	632.32	619.18	609.18	NP	0.00	16.22	13.20	616.10	-1.94	6.92	No	
LRMW-6	6/18/2018	629.30	632.32	619.18	609.18	NP	0.00	14.86	11.84	617.46	1.36	8.28	No	
LRMW-6	6/3/2019	629.30	632.32	619.18	609.18	NP	0.00	14.32	11.30	618.00	0.54	8.82	No	
LRMW-6	3/31/2020	629.30	632.32	619.18	609.18	NP	0.00	12.82	9.80	619.50	1.50	10.32	Yes	
LRMW-6	5/26/2020	629.30	632.32	619.18	609.18	NP	0.00	14.58	11.56	617.74	-1.76	8.56	No	
LRMW-6	5/24/2021	629.30	632.32	619.18	609.18	NP	0.00	15.47	12.45	616.85	-0.89	7.67	No	
LRMW-7	7/27/2011	627.00	629.06	611.00	596.00	11.02	6.90	17.92	10.44	616.56	NA	22.04	Yes	
LRMW-7	7/28/2011	627.00	629.06	611.00	596.00	10.64	8.54	19.18	10.41	616.59	0.03	22.42	Yes	
LRMW-7	8/1/2011	627.00	629.06	611.00	596.00	10.80	8.98	19.78	10.67	616.33	-0.25	22.26	Yes	
LRMW-7	8/18/2011	627.00	629.06	611.00	596.00	9.98	9.72	19.70	10.01	616.99	0.66	23.08	Yes	
LRMW-7	8/25/2011	627.00	629.06	611.00	596.00	10.73	8.95	19.68	10.59	616.41	-0.58	22.33	Yes	
LRMW-7	9/1/2011	627.00	629.06	611.00	596.00	11.23	8.56	19.79	11.01	615.99	-0.42	21.83	Yes	
LRMW-7	9/8/2011	627.00	629.06	611.00	596.00	11.99	7.73	19.72	11.59	615.41	-0.58	21.07	Yes	
LRMW-7	9/14/2011	627.00	629.06	611.00	596.00	12.64	7.03	19.67	12.09	614.91	-0.50	20.42	Yes	
LRMW-7	9/23/2011	627.00	629.06	611.00	596.00	12.92	6.96	19.88	12.36	614.64	-0.26	20.14	Yes	
LRMW-7	9/29/2011	627.00	629.06	611.00	596.00	13.09	6.79	19.88	12.49	614.51	-0.13	19.97	Yes	
LRMW-7	10/7/2011	627.00	629.06	611.00	596.00	13.32	6.41	19.73	12.64	614.36	-0.15	19.74	Yes	
LRMW-7	10/11/2011	627.00	629.06	611.00	596.00	13.65	6.31	19.96	12.95	614.05	-0.31	19.41	Yes	
LRMW-7	10/21/2011	627.00	629.06	611.00	596.00	13.85	5.11	18.96	12.89	614.11	0.06	19.21	Yes	
LRMW-7	10/27/2011	627.00	629.06	611.00	596.00	14.01	5.29	19.30	13.09	613.91	-0.20	19.05	Yes	
LRMW-7	11/3/2011	627.00	629.06	611.00	596.00	14.29	5.16	19.45	13.34	613.66	-0.25	18.77	Yes	
LRMW-7	11/9/2011	627.00	629.06	611.00	596.00	14.22	5.24	19.46	13.29	613.71	0.05	18.84	Yes	
LRMW-7	11/10/2011	627.00	629.06	611.00	596.00	14.41	5.19	19.60	13.47	613.53	-0.18	18.65	Yes	
LRMW-7	11/10/2011	627.00	629.06	611.00	596.00	16.12	0.03	16.15	14.07	612.93	-0.60	16.94	Yes	Before EFR
LRMW-7	11/13/2011	627.00	629.06	611.00	596.00	14.58	3.85	18.43	13.35	613.65	0.72	18.48	Yes	After EFR
LRMW-7	11/17/2011	627.00	629.06	611.00	596.00	14.75	4.29	19.04	13.61	613.39	-0.26	18.31	Yes	

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Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-7	11/22/2011	627.00	629.06	611.00	596.00	14.73	4.51	19.24	13.64	613.36	-0.03	18.33	Yes	
LRMW-7	12/1/2011	627.00	629.06	611.00	596.00	14.91	4.63	19.54	13.84	613.16	-0.21	18.15	Yes	
LRMW-7	1/4/2012	627.00	629.06	611.00	596.00	15.35	4.70	20.05	14.30	612.70	-0.46	17.71	Yes	
LRMW-7	2/16/2012	627.00	629.06	611.00	596.00	16.22	4.06	20.28	15.03	611.97	-0.73	16.84	Yes	
LRMW-7	3/13/2012	627.00	629.06	611.00	596.00	16.12	3.84	19.96	14.89	612.11	0.15	16.94	Yes	
LRMW-7	4/12/2012	627.00	629.06	611.00	596.00	15.19	4.77	19.96	14.15	612.85	0.73	17.87	Yes	
LRMW-7	4/16/2012	627.00	629.06	611.00	596.00	14.94	4.49	19.43	13.84	613.16	0.31	18.12	Yes	Spill Buddy Before Reading
LRMW-7	5/18/2012	627.00	629.06	611.00	596.00	13.44	6.71	20.15	12.82	614.18	1.02	19.62	Yes	
LRMW-7	6/28/2012	627.00	629.06	611.00	596.00	9.27	10.58	19.85	9.48	617.52	3.34	23.79	Yes	
LRMW-7	7/2/2012	627.00	629.06	611.00	596.00	10.07	9.89	19.96	10.13	616.87	-0.65	22.99	Yes	
LRMW-7	11/21/2012	627.00	629.06	611.00	596.00	17.04	2.33	19.37	15.48	611.52	-5.35	16.02	Yes	Installed Portable System 2 on LRMW 7, gauge before starting portable system.
LRMW-7	12/17/2012	627.00	629.06	611.00	596.00	15.79	3.78	19.57	14.54	612.46	0.94	17.27	Yes	
LRMW-7	3/25/2013	627.00	629.06	611.00	596.00	17.12	2.97	20.09	15.70	611.30	-1.16	15.94	Yes	
LRMW-7	4/29/2013	627.00	629.06	611.00	596.00	14.19	4.99	19.18	13.20	613.80	2.50	18.87	Yes	
LRMW-7	5/6/2013	627.00	629.06	611.00	596.00	13.90	6.02	19.92	13.13	613.87	0.07	19.16	Yes	Spill Buddy Before Reading
LRMW-7	10/3/2013	627.00	629.06	611.00	596.00	15.04	4.77	19.81	14.00	613.00	-0.87	18.02	Yes	
LRMW-7	5/22/2014	627.00	629.06	611.00	596.00	9.58	9.81	19.39	9.63	617.37	4.38	23.48	Yes	
LRMW-7	10/31/2014	627.00	629.06	611.00	596.00	12.76	7.02	19.78	12.21	614.79	-2.58	20.30	Yes	
LRMW-7	4/15/2015	627.00	629.06	611.00	596.00	16.19	3.14	19.33	14.80	612.20	-2.60	16.87	Yes	
LRMW-7	4/22/2015	627.00	629.06	611.00	596.00	14.57	3.97	18.54	13.36	613.64	1.44	18.49	Yes	
LRMW-7	4/29/2015	627.00	629.06	611.00	596.00	14.25	4.35	18.60	13.12	613.88	0.24	18.81	Yes	
LRMW-7	5/6/2015	627.00	629.06	611.00	596.00	14.21	4.61	18.82	13.14	613.86	-0.02	18.85	Yes	
LRMW-7	5/12/2015	627.00	629.06	611.00	596.00	13.35	5.59	18.94	12.49	614.51	0.65	19.71	Yes	
LRMW-7	6/9/2015	627.00	629.06	611.00	596.00	11.74	7.79	19.53	11.35	615.65	1.14	21.32	Yes	
LRMW-7	10/5/2015	627.00	629.06	611.00	596.00	11.89	7.27	19.16	11.39	615.61	-0.04	21.17	Yes	
LRMW-7	5/23/2016	627.00	629.06	611.00	596.00	9.60	10.30	19.90	9.75	617.25	1.64	23.46	Yes	
LRMW-7	10/3/2016	627.00	629.06	611.00	596.00	11.81	7.91	19.72	11.45	615.55	-1.70	21.25	Yes	
LRMW-7	5/2/2017	627.00	629.06	611.00	596.00	9.80	9.36	19.16	9.75	617.25	1.70	23.26	Yes	
LRMW-7	5/8/2017	627.00	629.06	611.00	596.00	10.17	8.53	18.70	9.94	617.06	-0.19	22.89	Yes	
LRMW-7	5/18/2017	627.00	629.06	611.00	596.00	9.65	9.45	19.10	9.62	617.38	0.32	23.41	Yes	
LRMW-7	5/22/2017	627.00	629.06	611.00	596.00	8.34	10.25	18.59	8.48	618.52	1.14	24.72	Yes	
LRMW-7	5/25/2017	627.00	629.06	611.00	596.00	8.42	9.93	18.35	8.49	618.51	-0.01	24.64	Yes	
LRMW-7	5/31/2017	627.00	629.06	611.00	596.00	8.24	11.13	19.37	8.57	618.43	-0.08	24.82	Yes	
LRMW-7	6/21/2017	627.00	629.06	611.00	596.00	10.23	9.36	19.59	10.18	616.82	-1.61	22.83	Yes	
LRMW-7	6/22/2017	627.00	629.06	611.00	596.00	11.42	4.30	15.72	10.28	616.72	-0.10	21.64	Yes	
LRMW-7	6/29/2017	627.00	629.06	611.00	596.00	10.67	8.17	18.84	10.37	616.63	-0.08	22.39	Yes	
LRMW-7	7/7/2017	627.00	629.06	611.00	596.00	9.93	9.02	18.95	9.81	617.19	0.56	23.13	Yes	
LRMW-7	7/12/2017	627.00	629.06	611.00	596.00	9.75	9.52	19.27	9.74	617.26	0.07	23.31	Yes	
LRMW-7	7/19/2017	627.00	629.06	611.00	596.00	9.62	9.65	19.27	9.63	617.37	0.10	23.44	Yes	
LRMW-7	7/26/2017	627.00	629.06	611.00	596.00	9.95	9.19	19.14	9.86	617.14	-0.23	23.11	Yes	
LRMW-7	7/27/2017	627.00	629.06	611.00	596.00	11.51	3.45	14.96	10.19	616.81	-0.33	21.55	Yes	
LRMW-7	8/4/2017	627.00	629.06	611.00	596.00	10.52	8.18	18.70	10.22	616.78	-0.03	22.54	Yes	
LRMW-7	8/8/2017	627.00	629.06	611.00	596.00	11.35	5.16	16.51	10.40	616.60	-0.18	21.71	Yes	
LRMW-7	8/15/2017	627.00	629.06	611.00	596.00	9.79	8.64	18.43	9.59	617.41	0.81	23.27	Yes	
LRMW-7	8/22/2017						Portable Skimmer System Installed							
LRMW-7	8/22/2017	627.00	629.06	611.00	596.00	9.36	9.24	18.60	9.29	617.71	0.30	23.70	Yes	
LRMW-7	9/7/2017	627.00	629.06	611.00	596.00	8.35	10.99	19.34	8.65	618.35	0.63	24.71	Yes	
LRMW-7	9/19/2017	627.00	629.06	611.00	596.00	10.28	7.04	17.32	9.73	617.27	-1.08	22.78	Yes	
LRMW-7	9/27/2017	627.00	629.06	611.00	596.00	11.47	0.16	11.63	9.44	617.56	0.29	21.59	Yes	
LRMW-7	10/12/2017	627.00	629.06	611.00	596.00	10.48	0.30	10.78	8.48	618.52	0.96	22.58	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-7	10/26/2017	627.00	629.06	611.00	596.00	11.01	0.06	11.07	8.96	618.04	-0.48	22.05	Yes	
LRMW-7	5/14/2018	627.00	629.06	611.00	596.00	12.26	7.36	19.62	11.78	615.22	-2.82	20.80	Yes	
LRMW-7	5/15/2018	627.00	629.06	611.00	596.00	13.49	2.96	16.45	12.07	614.93	-0.28	19.57	Yes	
LRMW-7	5/23/2018	627.00	629.06	611.00	596.00	14.45	0.12	14.57	12.42	614.58	-0.35	18.61	Yes	Portable system restarted
LRMW-7	5/24/2018	627.00	629.06	611.00	596.00	14.40	0.15	14.55	12.37	614.63	0.04	18.66	Yes	
LRMW-7	5/30/2018	627.00	629.06	611.00	596.00	13.64	0.79	14.43	11.75	615.25	0.62	19.42	Yes	
LRMW-7	6/8/2018	627.00	629.06	611.00	596.00	13.20	0.01	13.21	11.14	615.86	0.61	19.86	Yes	
LRMW-7	6/12/2018	627.00	629.06	611.00	596.00	13.35	0.05	13.40	11.30	615.70	-0.16	19.71	Yes	
LRMW-7	6/15/2018	627.00	629.06	611.00	596.00	12.71	2.52	15.23	11.19	615.81	0.11	20.35	Yes	
LRMW-7	6/19/2018	627.00	629.06	611.00	596.00	11.72	1.54	13.26	9.99	617.01	1.20	21.34	Yes	
LRMW-7	6/27/2018	627.00	629.06	611.00	596.00	12.76	0.24	13.00	10.75	616.25	-0.76	20.30	Yes	
LRMW-7	6/28/2018	627.00	629.06	611.00	596.00	12.76	0.24	13.00	10.75	616.25	0.00	20.30	Yes	
LRMW-7	7/10/2018	627.00	629.06	611.00	596.00	12.88	0.03	12.91	10.83	616.17	-0.07	20.18	Yes	
LRMW-7	7/25/2018	627.00	629.06	611.00	596.00	13.75	0.60	14.35	11.82	615.18	-0.99	19.31	Yes	
LRMW-7	8/8/2018	627.00	629.06	611.00	596.00	14.34	0.30	14.64	12.34	614.66	-0.53	18.72	Yes	
LRMW-7	8/16/2018	627.00	629.06	611.00	596.00	14.76	0.24	15.00	12.75	614.25	-0.41	18.30	Yes	
LRMW-7	8/28/2018	627.00	629.06	611.00	596.00	13.96	0.43	14.39	11.99	615.01	0.76	19.10	Yes	
LRMW-7	9/4/2018	627.00	629.06	611.00	596.00	13.73	3.35	17.08	12.39	614.61	-0.40	19.33	Yes	
LRMW-7	10/2/2018	627.00	629.06	611.00	596.00	12.57	6.37	18.94	11.88	615.12	0.51	20.49	Yes	Pump taken out of well
LRMW-7	10/16/2018	627.00	629.06	611.00	596.00	10.96	7.89	18.85	10.60	616.40	1.28	22.10	Yes	
LRMW-7	10/22/2018	627.00	629.06	611.00	596.00	11.88	4.87	16.75	10.87	616.13	-0.27	21.18	Yes	
LRMW-7	10/29/2018	627.00	629.06	611.00	596.00	12.12	3.61	15.73	10.84	616.16	0.03	20.94	Yes	
LRMW-7	5/2/2019	627.00	629.06	611.00	596.00	10.75	8.60	19.35	10.54	616.46	0.30	22.31	Yes	
LRMW-7	5/7/2019	627.00	629.06	611.00	596.00	12.51	1.08	13.59	10.68	616.32	-0.14	20.55	Yes	
LRMW-7	5/14/2019	627.00	629.06	611.00	596.00	12.15	0.07	12.22	10.11	616.89	0.58	20.91	Yes	Pump Installed in Well
LRMW-7	5/22/2019	627.00	629.06	611.00	596.00	11.26	0.35	11.61	9.28	617.72	0.83	21.80	Yes	
LRMW-7	5/28/2019	627.00	629.06	611.00	596.00	11.20	0.15	11.35	9.17	617.83	0.10	21.86	Yes	
LRMW-7	6/13/2019	627.00	629.06	611.00	596.00	9.65	8.40	18.05	9.39	617.61	-0.22	23.41	Yes	System shut down 6/4/2019
LRMW-7	6/24/2019	627.00	629.06	611.00	596.00	10.36	9.00	19.36	10.23	616.77	-0.84	22.70	Yes	Pump taken out of well
LRMW-7	7/3/2019	627.00	629.06	611.00	596.00	9.81	8.85	18.66	9.65	617.35	0.58	23.25	Yes	
LRMW-7	7/25/2019	627.00	629.06	611.00	596.00	11.87	7.72	19.59	11.47	615.53	-1.82	21.19	Yes	
LRMW-7	8/5/2019	627.00	629.06	611.00	596.00	12.86	4.42	17.28	11.75	615.25	-0.28	20.20	Yes	
LRMW-7	8/14/2019	627.00	629.06	611.00	596.00	13.06	6.00	19.06	12.29	614.71	-0.54	20.00	Yes	
LRMW-7	8/28/2019	627.00	629.06	611.00	596.00	13.08	6.17	19.25	12.35	614.65	-0.06	19.98	Yes	
LRMW-7	9/12/2019	627.00	629.06	611.00	596.00	12.54	6.36	18.90	11.85	615.15	0.50	20.52	Yes	
LRMW-7	9/25/2019	627.00	629.06	611.00	596.00	11.73	6.98	18.71	11.17	615.83	0.68	21.33	Yes	
LRMW-7	10/8/2019	627.00	629.06	611.00	596.00	10.97	5.73	16.70	10.14	616.86	1.61	22.09	Yes	
LRMW-7	10/29/2019	627.00	629.06	611.00	596.00	10.06	3.58	13.64	8.77	618.23	3.52	23.00	Yes	
LRMW-7	3/31/2020	627.00	629.06	611.00	596.00	8.60	10.57	19.17	8.81	618.19	3.53	24.46	Yes	
LRMW-7	4/1/2020	627.00	629.06	611.00	596.00	10.10	2.82	12.92	8.65	618.35	3.20	22.96	Yes	
LRMW-7	4/22/2020	627.00	629.06	611.00	596.00	9.05	10.73	19.78	9.30	617.70	1.87	24.01	Yes	
LRMW-7	4/30/2020	627.00	629.06	611.00	596.00	9.24	9.24	18.48	9.17	617.83	0.98	23.82	Yes	
LRMW-7	5/11/2020	627.00	629.06	611.00	596.00	9.46	9.67	19.13	9.48	617.52	-0.71	23.60	Yes	
LRMW-7	5/20/2020	627.00	629.06	611.00	596.00	10.17	8.66	18.83	9.97	617.03	-1.16	22.89	Yes	
LRMW-7	5/26/2020	627.00	629.06	611.00	596.00	10.37	8.46	18.83	10.13	616.87	-1.48	22.69	Yes	
LRMW-7	6/22/2020	627.00	629.06	611.00	596.00	13.17	0.30	13.47	11.17	615.83	-1.88	19.89	Yes	
LRMW-7	7/6/2020	627.00	629.06	611.00	596.00	13.59	0.46	14.05	11.63	615.37	-2.46	19.47	Yes	
LRMW-7	7/20/2020	627.00	629.06	611.00	596.00	13.00	0.42	13.42	11.03	615.97	-1.55	20.06	Yes	
LRMW-7	7/28/2020	627.00	629.06	611.00	596.00	13.05	0.29	13.34	11.05	615.95	-1.08	20.01	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-7	8/12/2020	627.00	629.06	611.00	596.00	11.89	5.34	17.23	10.98	616.02	-0.85	21.17	Yes	
LRMW-7	8/25/2020	627.00	629.06	611.00	596.00	12.49	4.77	17.26	11.45	615.55	-0.28	20.57	Yes	
LRMW-7	9/8/2020	627.00	629.06	611.00	596.00	13.79	0.31	14.10	11.80	615.20	-0.17	19.27	Yes	
LRMW-7	9/23/2020	627.00	629.06	611.00	596.00	14.20	0.81	15.01	12.31	614.69	-1.28	18.86	Yes	
LRMW-7	10/5/2020	627.00	629.06	611.00	596.00	NP	0.00	14.93	12.87	614.13	-1.82	18.13	Yes	
LRMW-7	4/28/2021	627.00	629.06	611.00	596.00	11.12	8.36	19.48	10.86	616.14	0.12	21.94	Yes	
LRMW-7	5/6/2021	627.00	629.06	611.00	596.00	12.06	5.54	17.60	11.19	615.81	0.26	21.00	Yes	
LRMW-7	5/13/2021	627.00	629.06	611.00	596.00	12.18	6.49	18.67	11.51	615.49	0.28	20.88	Yes	
LRMW-7	5/19/2021	627.00	629.06	611.00	596.00	12.65	6.29	18.94	11.94	615.06	0.37	20.41	Yes	
LRMW-7	5/24/2021	627.00	629.06	611.00	596.00	11.06	7.04	18.10	10.51	616.49	2.36	22.00	Yes	
LRMW-7	5/28/2021	627.00	629.06	611.00	596.00	11.53	7.77	19.30	11.14	615.86	-0.28	21.53	Yes	6.0 gallons bailed
LRMW-7	6/8/2021	627.00	629.06	611.00	596.00	12.15	7.90	20.05	11.79	615.21	-0.60	20.91	Yes	6 gallons bailed
LRMW-7	6/22/2021	627.00	629.06	611.00	596.00	12.82	6.73	19.55	12.21	614.79	-0.69	20.24	Yes	5 gallons bailed
LRMW-7	7/1/2021	627.00	629.06	611.00	596.00	12.56	6.27	18.83	11.85	615.15	0.09	20.50	Yes	4 gallons bailed
LRMW-7	7/12/2021	627.00	629.06	611.00	596.00	13.10	5.71	18.81	12.27	614.73	-1.75	19.96	Yes	4 gallons bailed
LRMW-7	7/27/2021	627.00	629.06	611.00	596.00	13.66	5.20	18.86	12.72	614.28	-1.58	19.40	Yes	3 gallons bailed
LRMW-7	8/3/2021	627.00	629.06	611.00	596.00	14.24	3.16	17.40	12.86	614.14	-1.07	18.82	Yes	2.5 gallons bailed
LRMW-7	8/10/2021	627.00	629.06	611.00	596.00	14.74	3.09	17.83	13.34	613.66	-1.14	18.32	Yes	
LRMW-7	8/24/2021	627.00	629.06	611.00	596.00	14.58	4.34	18.92	13.45	613.55	-1.61	18.48	Yes	3 gallons bailed
LRMW-7	9/14/2021	627.00	629.06	611.00	596.00	14.40	4.43	18.83	13.29	613.71	-1.02	18.66	Yes	3.5 gallons bailed
LRMW-7	9/28/2021	627.00	629.06	611.00	596.00	14.32	3.47	17.79	13.01	613.99	-0.29	18.74	Yes	2.25 gallons bailed
LRMW-7	10/19/2021	627.00	629.06	611.00	596.00	14.06	4.36	18.42	12.94	614.06	-0.08	19.00	Yes	2.25 gallons bailed
LRMW-8	7/21/2011	626.80	629.96	608.80	588.80	NP	0.00	13.62	10.46	616.34	NA	27.54	Yes	
LRMW-8	7/28/2011	626.80	629.96	608.80	588.80	NP	0.00	13.65	10.49	616.31	-0.03	27.51	Yes	
LRMW-8	8/18/2011	626.80	629.96	608.80	588.80	NP	0.00	13.37	10.21	616.59	0.28	27.79	Yes	
LRMW-8	8/25/2011	626.80	629.96	608.80	588.80	NP	0.00	13.94	10.78	616.02	-0.57	27.22	Yes	
LRMW-8	9/1/2011	626.80	629.96	608.80	588.80	NP	0.00	14.36	11.20	615.60	-0.42	26.80	Yes	
LRMW-8	9/8/2011	626.80	629.96	608.80	588.80	NP	0.00	14.94	11.78	615.02	-0.58	26.22	Yes	
LRMW-8	9/14/2011	626.80	629.96	608.80	588.80	NP	0.00	15.41	12.25	614.55	-0.47	25.75	Yes	
LRMW-8	9/23/2011	626.80	629.96	608.80	588.80	NP	0.00	15.68	12.52	614.28	-0.27	25.48	Yes	
LRMW-8	9/29/2011	626.80	629.96	608.80	588.80	NP	0.00	15.78	12.62	614.18	-0.10	25.38	Yes	
LRMW-8	10/7/2011	626.80	629.96	608.80	588.80	NP	0.00	15.95	12.79	614.01	-0.17	25.21	Yes	
LRMW-8	10/11/2011	626.80	629.96	608.80	588.80	NP	0.00	16.24	13.08	613.72	-0.29	24.92	Yes	
LRMW-8	10/21/2011	626.80	629.96	608.80	588.80	NP	0.00	16.25	13.09	613.71	-0.01	24.91	Yes	
LRMW-8	10/27/2011	626.80	629.96	608.80	588.80	NP	0.00	16.37	13.21	613.59	-0.12	24.79	Yes	
LRMW-8	11/3/2011	626.80	629.96	608.80	588.80	NP	0.00	16.63	13.47	613.33	-0.26	24.53	Yes	
LRMW-8	11/9/2011	626.80	629.96	608.80	588.80	NP	0.00	16.58	13.42	613.38	0.05	24.58	Yes	
LRMW-8	11/17/2011	626.80	629.96	608.80	588.80	NP	0.00	16.88	13.72	613.08	-0.30	24.28	Yes	
LRMW-8	11/22/2011	626.80	629.96	608.80	588.80	NP	0.00	16.89	13.73	613.07	-0.01	24.27	Yes	
LRMW-8	12/1/2011	626.80	629.96	608.80	588.80	NP	0.00	17.11	13.95	612.85	-0.22	24.05	Yes	
LRMW-8	1/4/2012	626.80	629.96	608.80	588.80	NP	0.00	17.57	14.41	612.39	-0.46	23.59	Yes	
LRMW-8	2/16/2012	626.80	629.96	608.80	588.80	NP	0.00	18.29	15.13	611.67	-0.72	22.87	Yes	

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Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-8	3/13/2012	626.80	629.96	608.80	588.80	18.00	0.38	18.38	14.92	611.88	0.21	23.16	Yes	
LRMW-8	4/16/2012	626.80	629.96	608.80	588.80	16.83	0.69	17.52	13.82	612.98	1.10	24.33	Yes	
LRMW-8	5/18/2012	626.80	629.96	608.80	588.80	15.87	0.70	16.57	12.86	613.94	0.96	25.29	Yes	
LRMW-8	6/28/2012	626.80	629.96	608.80	588.80	12.60	0.69	13.29	9.59	617.21	3.27	28.56	Yes	Spill Buddy Before Reading
LRMW-8	7/24/2012	626.80	629.96	608.80	588.80	15.24	0.71	15.95	12.23	614.57	-2.64	25.92	Yes	
LRMW-8	8/17/2012	626.80	629.96	608.80	588.80	15.79	0.94	16.73	12.83	613.97	-0.60	25.37	Yes	Spill Buddy Before Reading
LRMW-8	8/28/2012	626.80	629.96	608.80	588.80	16.18	1.03	17.21	13.24	613.56	-0.41	24.98	Yes	
LRMW-8	9/17/2012	626.80	629.96	608.80	588.80	16.91	0.47	17.38	13.85	612.95	-0.61	24.25	Yes	
LRMW-8	9/28/2012	626.80	629.96	608.80	588.80	17.23	0.56	17.79	14.19	612.61	-0.34	23.93	Yes	
LRMW-8	9/30/2012	626.80	629.96	608.80	588.80	17.34	0.11	17.45	14.20	612.60	-0.01	23.82	Yes	
LRMW-8	11/21/2012	626.80	629.96	608.80	588.80	17.04	2.32	19.36	14.38	612.42	-0.17	24.12	Yes	
LRMW-8	12/17/2012	626.80	629.96	608.80	588.80	16.94	3.28	20.22	14.48	612.32	-0.11	24.22	Yes	
LRMW-8	3/25/2013	626.80	629.96	608.80	588.80	17.69	4.80	22.49	15.56	611.24	-1.08	23.47	Yes	
LRMW-8	5/6/2013	626.80	629.96	608.80	588.80	14.60	6.19	20.79	12.77	614.03	2.79	26.56	Yes	
LRMW-8	10/3/2013	626.80	629.96	608.80	588.80	15.70	5.95	21.65	13.82	612.98	-1.05	25.46	Yes	
LRMW-8	5/22/2014	626.80	629.96	608.80	588.80	10.90	7.94	18.84	9.45	617.35	4.37	30.26	Yes	
LRMW-8	10/31/2014	626.80	629.96	608.80	588.80	13.49	8.07	21.56	12.06	614.74	-2.62	27.67	Yes	
LRMW-8	4/15/2015	626.80	629.96	608.80	588.80	15.57	6.85	22.42	13.88	612.92	-1.82	25.59	Yes	
LRMW-8	4/22/2015	626.80	629.96	608.80	588.80	16.35	0.75	17.10	13.35	613.45	0.53	24.81	Yes	
LRMW-8	4/29/2015	626.80	629.96	608.80	588.80	16.25	0.25	16.50	13.14	613.66	0.21	24.91	Yes	
LRMW-8	5/6/2015	626.80	629.96	608.80	588.80	16.30	0.23	16.53	13.19	613.61	-0.05	24.86	Yes	
LRMW-8	5/12/2015	626.80	629.96	608.80	588.80	15.61	0.22	15.83	12.50	614.30	0.69	25.55	Yes	
LRMW-8	6/9/2015	626.80	629.96	608.80	588.80	14.59	0.15	14.74	11.46	615.34	1.04	26.57	Yes	
LRMW-8	10/5/2015	626.80	629.96	608.80	588.80	14.63	0.29	14.92	11.53	615.27	-0.07	26.53	Yes	
LRMW-8	5/23/2016	626.80	629.96	608.80	588.80	13.05	0.34	13.39	9.96	616.84	1.57	28.11	Yes	
LRMW-8	10/3/2016	626.80	629.96	608.80	588.80	14.72	0.32	15.04	11.63	615.17	-1.67	26.44	Yes	
LRMW-8	5/2/2017	626.80	629.96	608.80	588.80	12.92	0.51	13.43	9.87	616.93	1.76	28.24	Yes	
LRMW-8	5/18/2017	626.80	629.96	608.80	588.80	12.77	0.51	13.28	9.72	617.08	0.15	28.39	Yes	
LRMW-8	5/31/2017	626.80	629.96	608.80	588.80	11.82	0.50	12.32	8.77	618.03	0.95	29.34	Yes	
LRMW-8	6/22/2017	626.80	629.96	608.80	588.80	13.45	0.50	13.95	10.40	616.40	-1.63	27.71	Yes	
LRMW-8	5/28/2019	626.80	629.96	608.80	588.80	11.49	3.25	14.74	9.03	617.77	1.37	29.67	Yes	
LRMW-8	5/26/2020	626.80	629.96	608.80	588.80	13.46	0.24	13.70	10.35	616.45	-1.32	27.70	Yes	
LRMW-8	5/24/2021	626.80	629.96	608.80	588.80	13.75	1.77	15.52	10.97	615.83	-0.62	27.41	Yes	
LRMW-9	7/28/2011	625.40	627.26	606.40	586.40	11.45	0.02	11.47	9.59	615.81	NA	29.41	Yes	
LRMW-9	8/18/2011	625.40	627.26	606.40	586.40	11.17	0.04	11.21	9.32	616.08	0.28	29.69	Yes	
LRMW-9	8/25/2011	625.40	627.26	606.40	586.40	11.73	0.05	11.78	9.88	615.52	-0.56	29.13	Yes	
LRMW-9	9/1/2011	625.40	627.26	606.40	586.40	12.14	0.02	12.16	10.28	615.12	-0.40	28.72	Yes	
LRMW-9	9/8/2011	625.40	627.26	606.40	586.40	12.74	0.04	12.78	10.89	614.51	-0.60	28.12	Yes	
LRMW-9	9/14/2011	625.40	627.26	606.40	586.40	13.20	0.05	13.25	11.35	614.05	-0.46	27.66	Yes	
LRMW-9	9/23/2011	625.40	627.26	606.40	586.40	13.45	0.05	13.50	11.60	613.80	-0.25	27.41	Yes	
LRMW-9	9/29/2011	625.40	627.26	606.40	586.40	13.56	0.05	13.61	11.71	613.69	-0.11	27.30	Yes	
LRMW-9	10/7/2011	625.40	627.26	606.40	586.40	13.74	0.05	13.79	11.89	613.51	-0.18	27.12	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-9	10/11/2011	625.40	627.26	606.40	586.40	13.96	0.03	13.99	12.11	613.29	-0.22	26.90	Yes	
LRMW-9	10/21/2011	625.40	627.26	606.40	586.40	13.98	0.06	14.04	12.13	613.27	-0.03	26.88	Yes	
LRMW-9	10/27/2011	625.40	627.26	606.40	586.40	14.01	0.03	14.04	12.16	613.24	-0.02	26.85	Yes	
LRMW-9	11/3/2011	625.40	627.26	606.40	586.40	14.36	0.06	14.42	12.51	612.89	-0.36	26.50	Yes	
LRMW-9	11/9/2011	625.40	627.26	606.40	586.40	14.33	0.05	14.38	12.48	612.92	0.03	26.53	Yes	
LRMW-9	11/17/2011	625.40	627.26	606.40	586.40	14.61	0.06	14.67	12.76	612.64	-0.28	26.25	Yes	
LRMW-9	11/22/2011	625.40	627.26	606.40	586.40	14.64	0.05	14.69	12.79	612.61	-0.03	26.22	Yes	
LRMW-9	12/1/2011	625.40	627.26	606.40	586.40	14.81	0.06	14.87	12.96	612.44	-0.17	26.05	Yes	
LRMW-9	1/4/2012	625.40	627.26	606.40	586.40	15.30	0.04	15.34	13.45	611.95	-0.49	25.56	Yes	
LRMW-9	2/16/2012	625.40	627.26	606.40	586.40	16.01	0.04	16.05	14.16	611.24	-0.71	24.85	Yes	
LRMW-9	3/13/2012	625.40	627.26	606.40	586.40	15.78	0.03	15.81	13.93	611.47	0.23	25.08	Yes	
LRMW-9	4/16/2012	625.40	627.26	606.40	586.40	NP	0.00	14.59	12.73	612.67	1.20	26.27	Yes	
LRMW-9	5/18/2012	625.40	627.26	606.40	586.40	13.70	0.03	13.73	11.85	613.55	0.88	27.16	Yes	
LRMW-9	6/28/2012	625.40	627.26	606.40	586.40	10.45	0.03	10.48	8.60	616.80	3.25	30.41	Yes	
LRMW-9	7/24/2012	625.40	627.26	606.40	586.40	13.11	0.04	13.15	11.26	614.14	-2.66	27.75	Yes	
LRMW-9	8/17/2012	625.40	627.26	606.40	586.40	13.73	0.07	13.80	11.89	613.51	-0.63	27.13	Yes	
LRMW-9	8/28/2012	625.40	627.26	606.40	586.40	14.13	0.02	14.15	12.27	613.13	-0.39	26.73	Yes	
LRMW-9	9/17/2012	625.40	627.26	606.40	586.40	14.75	0.04	14.79	12.90	612.50	-0.62	26.11	Yes	
LRMW-9	9/30/2012	625.40	627.26	606.40	586.40	15.05	0.03	15.08	13.20	612.20	-0.30	25.81	Yes	
LRMW-9	11/21/2012	625.40	627.26	606.40	586.40	15.29	0.03	15.32	13.44	611.96	-0.24	25.57	Yes	
LRMW-9	12/17/2012	625.40	627.26	606.40	586.40	15.40	0.02	15.42	13.54	611.86	-0.11	25.46	Yes	
LRMW-9	3/25/2013	625.40	627.26	606.40	586.40	NP	0.00	16.59	14.73	610.67	-1.19	24.27	Yes	
LRMW-9	5/6/2013	625.40	627.26	606.40	586.40	NP	0.00	13.75	11.89	613.51	2.84	27.11	Yes	
LRMW-9	10/3/2013	625.40	627.26	606.40	586.40	NP	0.00	14.85	12.99	612.41	-1.10	26.01	Yes	
LRMW-9	5/21/2014	625.40	627.26	606.40	586.40	NP	0.00	10.55	8.69	616.71	4.30	30.31	Yes	
LRMW-9	7/30/2014	625.40	627.26	606.40	586.40	NP	0.00	13.84	11.98	613.42	-3.29	27.02	Yes	
LRMW-9	10/31/2014	625.40	627.26	606.40	586.40	NP	0.00	13.19	11.33	614.07	0.65	27.67	Yes	
LRMW-9	4/15/2015	625.40	627.26	606.40	586.40	NP	0.00	14.80	12.94	612.46	-1.61	26.06	Yes	
LRMW-9	4/22/2015	625.40	627.26	606.40	586.40	NP	0.00	14.10	12.24	613.16	0.70	26.76	Yes	
LRMW-9	4/29/2015	625.40	627.26	606.40	586.40	NP	0.00	13.91	12.05	613.35	0.19	26.95	Yes	
LRMW-9	5/5/2015	625.40	627.26	606.40	586.40	NP	0.00	14.03	12.17	613.23	-0.12	26.83	Yes	
LRMW-9	5/12/2015	625.40	627.26	606.40	586.40	NP	0.00	13.20	11.34	614.06	0.83	27.66	Yes	
LRMW-9	6/9/2015	625.40	627.26	606.40	586.40	NP	0.00	12.21	10.35	615.05	0.99	28.65	Yes	
LRMW-9	10/5/2015	625.40	627.26	606.40	586.40	NP	0.00	12.30	10.44	614.96	-0.09	28.56	Yes	
LRMW-9	5/23/2016	625.40	627.26	606.40	586.40	NP	0.00	10.78	8.92	616.48	1.52	30.08	Yes	
LRMW-9	10/3/2016	625.40	627.26	606.40	586.40	NP	0.00	12.41	10.55	614.85	-1.63	28.45	Yes	
LRMW-9	5/2/2017	625.40	627.26	606.40	586.40	NP	0.00	9.54	7.68	617.72	2.87	31.32	Yes	
LRMW-9	5/31/2017	625.40	627.26	606.40	586.40	NP	0.00	10.59	8.73	616.67	-1.05	30.27	Yes	
LRMW-9	6/22/2017	625.40	627.26	606.40	586.40	NP	0.00	11.19	9.33	616.07	-0.60	29.67	Yes	
LRMW-9	5/30/2018	625.40	627.26	606.40	586.40	NP	0.00	12.20	10.34	615.06	-1.01	28.66	Yes	
LRMW-9	6/18/2018	625.40	627.26	606.40	586.40	NP	0.00	10.75	8.89	616.51	1.45	30.11	Yes	
LRMW-9	6/27/2018	625.40	627.26	606.40	586.40	NP	0.00	11.24	9.38	616.02	-0.49	29.62	Yes	
LRMW-9	6/3/2019	625.40	627.26	606.40	586.40	NP	0.00	10.52	8.66	616.74	0.72	30.34	Yes	

Table 4
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-9	5/26/2020	625.40	627.26	606.40	586.40	11.12	0.01	11.13	9.26	616.14	-0.60	29.74	Yes	
LRMW-9	5/25/2021	625.40	627.26	606.40	586.40	NP	0.00	11.47	9.61	615.79	-0.35	29.39	Yes	
														After bail down testing
LRMW-10	7/28/2011	623.40	625.71	600.40	580.40	9.68	15.81	25.49	10.77	612.63	NA	35.63	Yes	
LRMW-10	8/1/2011	623.40	625.71	600.40	580.40	12.08	7.74	19.82	11.43	611.97	-0.67	33.23	Yes	
LRMW-10	8/18/2011	623.40	625.71	600.40	580.40	13.59	0.32	13.91	11.35	612.05	0.08	31.72	Yes	
LRMW-10	8/25/2011	623.40	625.71	600.40	580.40	14.02	0.33	14.35	11.78	611.62	-0.43	31.29	Yes	
LRMW-10	9/1/2011	623.40	625.71	600.40	580.40	14.44	0.28	14.72	12.19	611.21	-0.41	30.87	Yes	
LRMW-10	9/8/2011	623.40	625.71	600.40	580.40	14.89	0.31	15.20	12.65	610.75	-0.46	30.42	Yes	
LRMW-10	9/14/2011	623.40	625.71	600.40	580.40	15.19	0.30	15.49	12.94	610.46	-0.30	30.12	Yes	
LRMW-10	9/23/2011	623.40	625.71	600.40	580.40	15.43	0.30	15.73	13.18	610.22	-0.24	29.88	Yes	
LRMW-10	9/29/2011	623.40	625.71	600.40	580.40	15.56	0.31	15.87	13.32	610.08	-0.13	29.75	Yes	
LRMW-10	10/7/2011	623.40	625.71	600.40	580.40	15.72	0.30	16.02	13.47	609.93	-0.16	29.59	Yes	
LRMW-10	10/11/2011	623.40	625.71	600.40	580.40	15.80	0.29	16.09	13.55	609.85	-0.08	29.51	Yes	
LRMW-10	10/21/2011	623.40	625.71	600.40	580.40	15.92	0.28	16.20	13.67	609.73	-0.12	29.39	Yes	
LRMW-10	10/27/2011	623.40	625.71	600.40	580.40	16.01	0.29	16.30	13.76	609.64	-0.09	29.30	Yes	
LRMW-10	11/3/2011	623.40	625.71	600.40	580.40	16.15	0.29	16.44	13.90	609.50	-0.14	29.16	Yes	
LRMW-10	11/9/2011	623.40	625.71	600.40	580.40	16.19	0.29	16.48	13.94	609.46	-0.04	29.12	Yes	
LRMW-10	11/17/2011	623.40	625.71	600.40	580.40	16.38	0.31	16.69	14.14	609.26	-0.19	28.93	Yes	
LRMW-10	11/22/2011	623.40	625.71	600.40	580.40	16.42	0.28	16.70	14.17	609.23	-0.03	28.89	Yes	
LRMW-10	12/1/2011	623.40	625.71	600.40	580.40	16.51	0.28	16.79	14.26	609.14	-0.09	28.80	Yes	
LRMW-10	1/4/2012	623.40	625.71	600.40	580.40	16.94	0.26	17.20	14.69	608.71	-0.43	28.37	Yes	
LRMW-10	2/16/2012	623.40	625.71	600.40	580.40	17.43	0.26	17.69	15.18	608.22	-0.49	27.88	Yes	
LRMW-10	3/13/2012	623.40	625.71	600.40	580.40	16.90	0.25	17.15	14.64	608.76	0.53	28.41	Yes	
LRMW-10	4/12/2012	623.40	625.71	600.40	580.40	16.34	0.22	16.56	14.08	609.32	0.57	28.97	Yes	
LRMW-10	4/16/2012	623.40	625.71	600.40	580.40	NP	0.00	15.70	13.39	610.01	0.69	29.61	Yes	
LRMW-10	5/18/2012	623.40	625.71	600.40	580.40	15.29	0.23	15.52	13.03	610.37	0.36	30.02	Yes	
LRMW-10	6/28/2012	623.40	625.71	600.40	580.40	12.56	0.23	12.79	10.30	613.10	2.73	32.75	Yes	Spill Buddy Before Reading
LRMW-10	7/24/2012	623.40	625.71	600.40	580.40	14.97	0.18	15.15	12.70	610.70	-2.40	30.34	Yes	
LRMW-10	8/17/2012	623.40	625.71	600.40	580.40	15.61	0.23	15.84	13.35	610.05	-0.65	29.70	Yes	
LRMW-10	8/28/2012	623.40	625.71	600.40	580.40	15.97	0.21	16.18	13.71	609.69	-0.36	29.34	Yes	
LRMW-10	9/17/2012	623.40	625.71	600.40	580.40	16.54	0.03	16.57	14.24	609.16	-0.53	28.77	Yes	
LRMW-10	9/30/2012	623.40	625.71	600.40	580.40	NP	0.00	16.80	14.49	608.91	-0.25	28.51	Yes	
LRMW-10	11/21/2012	623.40	625.71	600.40	580.40	17.01	0.01	17.02	14.70	608.70	-0.21	28.30	Yes	
LRMW-10	12/17/2012	623.40	625.71	600.40	580.40	NP	0.00	17.09	14.78	608.62	-0.08	28.22	Yes	
LRMW-10	3/25/2013	623.40	625.71	600.40	580.40	NP	0.00	17.76	15.45	607.95	-0.67	27.55	Yes	
LRMW-10	5/6/2013	623.40	625.71	600.40	580.40	NP	0.00	14.90	12.59	610.81	2.86	30.41	Yes	
LRMW-10	10/3/2013	623.40	625.71	600.40	580.40	NP	0.00	16.51	14.20	609.20	-1.61	28.80	Yes	
LRMW-10	5/21/2014	623.40	625.71	600.40	580.40	NP	0.00	12.64	10.33	613.07	3.87	32.67	Yes	
LRMW-10	7/30/2014	623.40	625.71	600.40	580.40	NP	0.00	14.90	12.59	610.81	-2.26	30.41	Yes	
LRMW-10	10/31/2014	623.40	625.71	600.40	580.40	15.03	0.01	15.04	12.72	610.68	-0.13	30.28	Yes	
LRMW-10	4/15/2015	623.40	625.71	600.40	580.40	NP	0.00	15.94	13.63	609.77	-0.91	29.37	Yes	
LRMW-10	4/22/2015	623.40	625.71	600.40	580.40	NP	0.00	15.23	12.92	610.48	0.71	30.08	Yes	
LRMW-10	4/29/2015	623.40	625.71	600.40	580.40	NP	0.00	15.17	12.86	610.54	0.06	30.14	Yes	
LRMW-10	5/6/2015	623.40	625.71	600.40	580.40	15.31	0.32	15.63	13.07	610.33	-0.21	30.00	Yes	
LRMW-10	5/12/2015	623.40	625.71	600.40	580.40	14.52	0.32	14.84	12.28	611.12	0.79	30.79	Yes	
LRMW-10	6/9/2015	623.40	625.71	600.40	580.40	13.98	0.27	14.25	11.73	611.67	0.55	31.33	Yes	
LRMW-10	10/6/2015	623.40	625.71	600.40	580.40	14.36	0.14	14.50	12.08	611.32	-0.35	30.95	Yes	

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Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-10	5/23/2016	623.40	625.71	600.40	580.40	13.40	0.10	13.50	11.11	612.29	0.97	31.91	Yes	
LRMW-10	10/3/2016	623.40	625.71	600.40	580.40	14.70	0.10	14.80	12.41	610.99	-1.30	30.61	Yes	
LRMW-10	5/22/2017	623.40	625.71	600.40	580.40	12.29	0.08	12.37	10.00	613.40	2.41	33.02	Yes	
LRMW-10	5/31/2017	623.40	625.71	600.40	580.40	12.31	0.08	12.39	10.02	613.38	-0.02	33.00	Yes	
LRMW-10	6/22/2017	623.40	625.71	600.40	580.40	13.64	0.08	13.72	11.35	612.05	-1.33	31.67	Yes	
LRMW-10	8/8/2018	623.40	625.71	600.40	580.40	15.14	0.09	15.23	12.85	610.55	-1.50	30.17	Yes	
LRMW-10	10/2/2018	623.40	625.71	600.40	580.40	14.87	0.06	14.93	12.57	610.83	0.28	30.44	Yes	
LRMW-10	10/22/2018	623.40	625.71	600.40	580.40	13.96	0.05	14.01	11.66	611.74	0.91	31.35	Yes	
LRMW-10	10/8/2019	623.40	625.71	600.40	580.40	13.28	0.05	13.33	10.98	612.42	0.68	32.03	Yes	
LRMW-10	4/22/2020	623.40	625.71	600.40	580.40	12.94	0.04	12.98	10.64	612.76	0.34	32.37	Yes	
LRMW-10	5/26/2020	623.40	625.71	600.40	580.40	13.71	0.03	13.74	11.41	611.99	-0.77	31.60	Yes	
LRMW-10	5/25/2021	623.40	625.71	600.40	580.40	13.79	0.03	13.82	11.49	611.91	-0.08	31.52	Yes	
LRMW-11	7/21/2011	623.90	626.14	598.90	583.90	NP	0.00	14.96	12.72	611.18	NA	27.28	Yes	
LRMW-11	7/28/2011	623.90	626.14	598.90	583.90	14.97	0.04	15.01	12.77	611.13	-0.05	27.27	Yes	
LRMW-11	8/18/2011	623.90	626.14	598.90	583.90	14.81	0.13	14.94	12.70	611.20	0.07	27.43	Yes	
LRMW-11	8/25/2011	623.90	626.14	598.90	583.90	15.22	0.21	15.43	13.19	610.71	-0.49	27.02	Yes	
LRMW-11	9/1/2011	623.90	626.14	598.90	583.90	15.62	0.26	15.88	13.64	610.26	-0.45	26.62	Yes	
LRMW-11	9/8/2011	623.90	626.14	598.90	583.90	16.04	0.31	16.35	14.11	609.79	-0.47	26.20	Yes	
LRMW-11	9/14/2011	623.90	626.14	598.90	583.90	16.34	0.31	16.65	14.41	609.49	-0.30	25.90	Yes	
LRMW-11	9/23/2011	623.90	626.14	598.90	583.90	16.56	0.38	16.94	14.70	609.20	-0.29	25.68	Yes	
LRMW-11	9/29/2011	623.90	626.14	598.90	583.90	16.68	0.42	17.10	14.86	609.04	-0.16	25.56	Yes	
LRMW-11	10/7/2011	623.90	626.14	598.90	583.90	16.80	0.48	17.28	15.04	608.86	-0.18	25.44	Yes	
LRMW-11	10/11/2011	623.90	626.14	598.90	583.90	16.89	0.48	17.37	15.13	608.77	-0.09	25.35	Yes	
LRMW-11	10/21/2011	623.90	626.14	598.90	583.90	16.99	0.56	17.55	15.31	608.59	-0.18	25.25	Yes	
LRMW-11	10/27/2011	623.90	626.14	598.90	583.90	17.05	0.60	17.65	15.41	608.49	-0.10	25.19	Yes	
LRMW-11	11/3/2011	623.90	626.14	598.90	583.90	17.19	0.65	17.84	15.60	608.30	-0.19	25.05	Yes	
LRMW-11	11/9/2011	623.90	626.14	598.90	583.90	17.22	0.71	17.93	15.69	608.21	-0.09	25.02	Yes	
LRMW-11	11/17/2011	623.90	626.14	598.90	583.90	17.35	0.80	18.15	15.91	607.99	-0.22	24.89	Yes	
LRMW-11	11/22/2011	623.90	626.14	598.90	583.90	17.39	0.82	18.21	15.97	607.93	-0.06	24.85	Yes	
LRMW-11	12/1/2011	623.90	626.14	598.90	583.90	17.46	0.90	18.36	16.12	607.78	-0.15	24.78	Yes	
LRMW-11	1/4/2012	623.90	626.14	598.90	583.90	17.83	1.20	19.03	16.79	607.11	-0.67	24.41	Yes	Spill Buddy Before Reading
LRMW-11	2/16/2012	623.90	626.14	598.90	583.90	18.20	1.48	19.68	17.44	606.46	-0.65	24.04	Yes	
LRMW-11	3/13/2012	623.90	626.14	598.90	583.90	17.54	1.66	19.20	16.96	606.94	0.48	24.70	Yes	
LRMW-11	4/12/2012	623.90	626.14	598.90	583.90	16.90	1.80	18.70	16.46	607.44	0.50	25.34	Yes	
LRMW-11	4/16/2012	623.90	626.14	598.90	583.90	NP	0.00	16.69	14.45	609.45	2.01	25.55	Yes	
LRMW-11	5/18/2012	623.90	626.14	598.90	583.90	16.25	0.23	16.48	14.24	609.66	0.21	25.99	Yes	
LRMW-11	6/28/2012	623.90	626.14	598.90	583.90	13.60	0.30	13.90	11.66	612.24	2.58	28.64	Yes	Spill Buddy Before Reading
LRMW-11	7/24/2012	623.90	626.14	598.90	583.90	15.96	0.42	16.38	14.14	609.76	-2.48	26.28	Yes	
LRMW-11	8/17/2012	623.90	626.14	598.90	583.90	16.60	0.53	17.13	14.89	609.01	-0.75	25.64	Yes	
LRMW-11	8/28/2012	623.90	626.14	598.90	583.90	16.96	0.58	17.54	15.30	608.60	-0.41	25.28	Yes	
LRMW-11	9/17/2012	623.90	626.14	598.90	583.90	17.65	0.04	17.69	15.45	608.45	-0.15	24.59	Yes	
LRMW-11	9/30/2012	623.90	626.14	598.90	583.90	17.88	0.21	18.09	15.85	608.05	-0.40	24.36	Yes	
LRMW-11	11/21/2012	623.90	626.14	598.90	583.90	18.04	0.52	18.56	16.32	607.58	-0.47	24.20	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
LRMW-11	12/17/2012	623.90	626.14	598.90	583.90	18.10	0.64	18.74	16.50	607.40	-0.18	24.14	Yes	
LRMW-11	3/25/2013	623.90	626.14	598.90	583.90	18.60	0.98	19.58	17.34	606.56	-0.84	23.64	Yes	
LRMW-11	5/6/2013	623.90	626.14	598.90	583.90	15.56	1.02	16.58	14.34	609.56	3.00	26.68	Yes	
LRMW-11	10/3/2013	623.90	626.14	598.90	583.90	17.26	1.55	18.81	16.57	607.33	-2.23	24.98	Yes	
LRMW-11	5/22/2014	623.90	626.14	598.90	583.90	13.09	2.19	15.28	13.04	610.86	3.53	29.15	Yes	
LRMW-11	10/31/2014	623.90	626.14	598.90	583.90	15.54	2.77	18.31	16.07	607.83	-3.03	26.70	Yes	
LRMW-11	4/15/2015	623.90	626.14	598.90	583.90	16.15	3.20	19.35	17.11	606.79	-1.04	26.09	Yes	
LRMW-11	4/22/2015	623.90	626.14	598.90	583.90	16.18	0.24	16.42	14.18	609.72	2.93	26.06	Yes	
LRMW-11	4/29/2015	623.90	626.14	598.90	583.90	16.10	0.22	16.32	14.08	609.82	0.10	26.14	Yes	
LRMW-11	5/6/2015	623.90	626.14	598.90	583.90	16.19	0.21	16.40	14.16	609.74	-0.08	26.05	Yes	
LRMW-11	5/12/2015	623.90	626.14	598.90	583.90	15.57	0.21	15.78	13.54	610.36	0.62	26.67	Yes	
LRMW-11	6/9/2015	623.90	626.14	598.90	583.90	15.06	0.21	15.27	13.03	610.87	0.51	27.18	Yes	
LRMW-11	10/5/2015	623.90	626.14	598.90	583.90	15.43	0.30	15.73	13.49	610.41	-0.46	26.81	Yes	
LRMW-11	5/23/2016	623.90	626.14	598.90	583.90	14.59	0.58	15.17	12.93	610.97	0.56	27.65	Yes	
LRMW-11	10/3/2016	623.90	626.14	598.90	583.90	15.82	0.83	16.65	14.41	609.49	-1.48	26.42	Yes	
LRMW-11	5/22/2017	623.90	626.14	598.90	583.90	14.34	1.20	15.54	13.30	610.60	1.11	27.90	Yes	
LRMW-11	5/31/2017	623.90	626.14	598.90	583.90	13.34	1.22	14.56	12.32	611.58	0.98	28.90	Yes	
LRMW-11	6/22/2017	623.90	626.14	598.90	583.90	14.83	0.44	15.27	13.03	610.87	-0.71	27.41	Yes	
LRMW-11	8/8/2018	623.90	626.14	598.90	583.90	16.14	1.03	17.17	14.93	608.97	-1.90	26.10	Yes	
LRMW-11	8/16/2018	623.90	626.14	598.90	583.90	16.64	0.31	16.95	14.71	609.19	0.22	25.60	Yes	
LRMW-11	10/2/2018	623.90	626.14	598.90	583.90	16.04	0.30	16.34	14.10	609.80	0.61	26.20	Yes	
LRMW-11	10/22/2018	623.90	626.14	598.90	583.90	15.21	0.07	15.28	13.04	610.86	1.06	27.03	Yes	
LRMW-11	10/8/2019	623.90	626.14	598.90	583.90	14.53	0.27	14.80	12.56	611.34	0.48	27.71	Yes	
LRMW-11	4/22/2020	623.90	626.14	598.90	583.90	14.17	0.51	14.68	12.44	611.46	0.12	28.07	Yes	
LRMW-11	5/26/2020	623.90	626.14	598.90	583.90	15.04	0.16	15.20	12.96	610.94	-0.52	27.20	Yes	
LRMW-11	5/25/2021	623.90	626.14	598.90	583.90	14.85	0.63	15.48	13.24	610.66	-0.28	27.39	Yes	
MWRR-1	10/22/2003	618.12	620.46	613.12	598.03	NP	0.00	14.22	11.88	606.24	NA	8.21	No	
MWRR-1	1/20/2004	618.12	620.46	613.12	598.03	NP	0.00	14.95	12.61	605.51	-0.73	7.48	No	
MWRR-1	4/19/2004	618.12	620.46	613.12	598.03	NP	0.00	12.30	9.96	608.16	2.65	10.13	No	
MWRR-1	7/27/2004	618.12	620.46	613.12	598.03	NP	0.00	12.89	10.55	607.57	-0.59	9.54	No	
MWRR-1	11/18/2004	618.12	620.46	613.12	598.03	NP	0.00	12.29	9.95	608.17	0.60	10.14	No	
MWRR-1	4/18/2005	618.12	620.46	613.12	598.03	NP	0.00	11.82	9.48	608.64	0.47	10.61	No	
MWRR-1	10/11/2005	618.12	620.46	613.12	598.03	NP	0.00	11.59	9.25	608.87	0.23	10.84	No	
MWRR-1	5/23/2006	618.12	620.46	613.12	598.03	NP	0.00	11.75	9.41	608.71	-0.16	10.68	No	
MWRR-1	10/16/2006	618.12	620.46	613.12	598.03	NP	0.00	13.93	11.59	606.53	-2.18	8.50	No	
MWRR-1	4/23/2007	618.12	620.46	613.12	598.03	NP	0.00	11.96	9.62	608.50	1.97	10.47	No	
MWRR-1	9/25/2007	618.12	620.29	613.12	598.03	NP	0.00	11.93	9.76	608.36	-0.14	10.33	No	
MWRR-1	5/1/2008	618.12	620.29	613.12	598.03	NP	0.00	11.17	9.00	609.12	0.76	11.09	No	
MWRR-1	10/20/2008	618.12	620.29	613.12	598.03	NP	0.00	11.42	9.25	608.87	-0.25	10.84	No	
MWRR-1	8/31/2011	618.12	620.29	613.12	598.03	NP	0.00	12.35	10.18	607.94	-0.93	9.91	No	
MWRR-1	10/11/2011	618.12	620.29	613.12	598.03	NP	0.00	13.36	11.19	606.93	-1.01	8.90	No	
MWRR-1	1/4/2012	618.12	620.29	613.12	598.03	NP	0.00	14.41	12.24	605.88	-1.05	7.85	No	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWRR-1	4/16/2012	618.12	620.29	613.12	598.03	NP	0.00	11.91	9.74	608.38	2.50	10.35	No	
MWRR-1	6/28/2012	618.12	620.29	613.12	598.03	NP	0.00	10.58	8.41	609.71	1.33	11.68	No	
MWRR-1	9/30/2012	618.12	620.29	613.12	598.03	NP	0.00	14.28	12.11	606.01	-3.70	7.98	No	
MWRR-1	12/17/2012	618.12	620.29	613.12	598.03	NP	0.00	14.27	12.10	606.02	0.01	7.99	No	
MWRR-1	3/25/2013	618.12	620.29	613.12	598.03	NP	0.00	14.95	12.78	605.34	-0.68	7.31	No	
MWRR-1	5/6/2013	618.12	620.29	613.12	598.03	NP	0.00	11.72	9.55	608.57	3.23	10.54	No	
MWRR-1	10/1/2013	618.12	620.29	613.12	598.03	NP	0.00	13.84	11.67	606.45	-2.12	8.42	No	
MWRR-1	5/21/2014	618.12	620.29	613.12	598.03	NP	0.00	10.54	8.37	609.75	3.30	11.72	No	
MWRR-1	10/31/2014	618.12	620.29	613.12	598.03	NP	0.00	12.42	10.25	607.87	-1.88	9.84	No	
MWRR-1	5/5/2015	618.12	620.29	613.12	598.03	NP	0.00	12.40	10.23	607.89	0.02	9.86	No	
MWRR-1	10/6/2015	618.12	620.29	613.12	598.03	NP	0.00	11.82	9.65	608.47	0.58	10.44	No	
MWRR-1	5/23/2016	618.12	620.29	613.12	598.03	NP	0.00	11.47	9.30	608.82	0.35	10.79	No	
MWRR-1	10/3/2016	618.12	620.29	613.12	598.03	NP	0.00	12.34	10.17	607.95	-0.87	9.92	No	
MWRR-1	6/29/2017	618.12	620.29	613.12	598.03	NP	0.00	11.09	8.92	609.20	1.25	11.17	No	
MWRR-1	5/26/2020	618.12	620.29	613.12	598.03	NP	0.00	12.06	9.89	608.23	-0.97	10.20	No	
MWRR-1	5/24/2021	618.12	620.29	613.12	598.03	NP	0.00	11.36	9.19	608.93	0.70	10.90	No	
MWRR-1D	6/18/2018	618.12	620.82	568.12	565.12	NP	0.00	7.40	4.70	613.42		48.30	Yes	
MWRR-1D	6/27/2018	618.12	620.82	568.12	565.12	NP	0.00	14.08	11.38	606.74	-6.88	41.62	Yes	
MWRR-1D	10/8/2018	618.12	620.82	568.12	565.12	NP	0.00	12.30	9.60	608.52	1.78	43.40	Yes	
MWRR-1D	10/8/2018	618.12	620.82	568.12	565.12	NP	0.00	11.39	8.69	609.43	0.91	44.31	Yes	
MWRR-1D	10/2/2019	619.12	621.82	569.12	566.12	NP	0.00	11.91	9.21	609.91	0.48	43.79	Yes	
MWRR-1D	5/26/2020	620.12	622.82	570.12	567.12	NP	0.00	12.07	9.37	610.75	0.84	43.63	Yes	
MWRR-1D	10/5/2020	620.12	622.82	570.12	567.12	NP	0.00	13.24	10.54	609.58	-1.17	42.46	Yes	
MWRR-1D	5/24/2021	620.12	622.82	570.12	567.12	NP	0.00	11.96	9.26	610.86	1.28	43.74	Yes	
MWRR-2	10/22/2003	622.93	625.90	617.05	602.05	NP	0.00	18.77	15.80	607.13	NA	5.08	No	
MWRR-2	1/20/2004	622.93	625.90	617.05	602.05	NP	0.00	19.24	16.27	606.66	-0.47	4.61	No	
MWRR-2	4/19/2004	622.93	625.90	617.05	602.05	NP	0.00	16.92	13.95	608.98	2.32	6.93	No	
MWRR-2	7/27/2004	622.93	625.90	617.05	602.05	NP	0.00	17.25	14.28	608.65	-0.33	6.60	No	
MWRR-2	11/16/2004	622.93	625.90	617.05	602.05	NP	0.00	16.73	13.76	609.17	0.52	7.12	No	
MWRR-2	4/18/2005	622.93	625.90	617.05	602.05	NP	0.00	16.11	13.14	609.79	0.62	7.74	No	
MWRR-2	10/11/2005	622.93	625.90	617.05	602.05	NP	0.00	17.01	14.04	608.89	-0.90	6.84	No	
MWRR-2	5/23/2006	622.93	625.90	617.05	602.05	NP	0.00	16.03	13.06	609.87	0.98	7.82	No	
MWRR-2	10/16/2006	622.93	625.90	617.05	602.05	NP	0.00	18.47	15.50	607.43	-2.44	5.38	No	
MWRR-2	4/23/2007	622.93	625.90	617.05	602.05	NP	0.00	16.73	13.76	609.17	1.74	7.12	No	
MWRR-2	9/25/2007	622.93	625.73	617.05	602.05	NP	0.00	18.00	15.20	607.73	-1.44	5.68	No	
MWRR-2	5/1/2008	622.93	625.73	617.05	602.05	NP	0.00	15.14	12.34	610.59	2.86	8.54	No	
MWRR-2	10/20/2008	622.93	625.73	617.05	602.05	NP	0.00	16.21	13.41	609.52	-1.07	7.47	No	
MWRR-2	4/18/2009	622.93	625.73	617.05	602.05	NP	0.00	16.26	13.46	609.47	-0.05	7.42	No	
MWRR-2	10/11/2009	622.93	625.73	617.05	602.05	NP	0.00	18.11	15.31	607.62	-1.85	5.57	No	
MWRR-2	4/28/2010	622.93	625.73	617.05	602.05	NP	0.00	17.32	14.52	608.41	0.79	6.36	No	
MWRR-2	10/25/2010	622.93	625.73	617.05	602.05	NP	0.00	17.04	14.24	608.69	0.28	6.64	No	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWRR-2	4/25/2011	622.93	625.73	617.05	602.05	NP	0.00	16.28	13.48	609.45	0.76	7.40	No	
MWRR-2	10/11/2011	622.93	625.73	617.05	602.05	NP	0.00	18.16	15.36	607.57	-1.88	5.52	No	
MWRR-2	1/4/2012	622.93	625.73	617.05	602.05	NP	0.00	19.08	16.28	606.65	-0.92	4.60	No	
MWRR-2	4/16/2012	622.93	625.73	617.05	602.05	NP	0.00	18.14	15.34	607.59	0.94	5.54	No	
MWRR-2	6/28/2012	622.93	625.73	617.05	602.05	NP	0.00	14.98	12.18	610.75	3.16	8.70	No	
MWRR-2	9/30/2012	622.93	625.73	617.05	602.05	NP	0.00	18.66	16.06	606.87	-3.88	4.82	No	
MWRR-2	12/17/2012	622.93	625.73	617.05	602.05	NP	0.00	19.20	16.40	606.53	-0.34	4.48	No	
MWRR-2	3/25/2013	622.93	625.73	617.05	602.05	NP	0.00	19.25	16.45	606.48	-0.05	4.43	No	
MWRR-2	5/6/2013	622.93	625.73	617.05	602.05	NP	0.00	16.39	13.59	609.34	2.86	7.29	No	
MWRR-2	10/3/2013	622.93	625.73	617.05	602.05	NP	0.00	18.77	15.97	606.96	-2.38	4.91	No	
MWRR-2	5/21/2014	622.93	625.73	617.05	602.05	NP	0.00	14.40	11.60	611.33	4.37	9.28	No	
MWRR-2	10/31/2014	622.93	625.73	617.05	602.05	NP	0.00	17.55	14.75	608.18	-3.15	6.13	No	
MWRR-2	5/5/2015	622.93	625.73	617.05	602.05	NP	0.00	17.38	14.58	608.35	0.17	6.30	No	
MWRR-2	10/6/2015	622.93	625.73	617.05	602.05	NP	0.00	17.00	14.20	608.73	0.38	6.68	No	
MWRR-2	5/23/2016	622.93	625.73	617.05	602.05	NP	0.00	16.22	13.42	609.51	0.78	7.46	No	
MWRR-2	10/3/2016	622.93	625.73	617.05	602.05	NP	0.00	17.50	14.70	608.23	-1.28	6.18	No	
MWRR-2	6/29/2017	622.93	625.73	617.05	602.05	NP	0.00	16.55	13.75	609.18	0.95	7.13	No	
MWRR-2	6/3/2019	622.93	625.73	617.05	602.05	NP	0.00	15.42	12.62	610.31	1.13	8.26	No	
MWRR-2	10/2/2019	622.93	625.73	617.05	602.05	NP	0.00	17.13	14.33	608.60	-1.71	6.55	No	
MWRR-2	5/26/2020	622.93	625.73	617.05	602.05	NP	0.00	16.58	13.78	609.15	0.55	7.10	No	
MWRR-2	5/25/2021	622.93	625.73	617.05	602.05	NP	0.00	16.41	13.61	609.32	0.17	7.27	No	
MWRR-4	10/21/2003	623.27	626.13	613.27	603.27	NP	0.00	18.85	15.99	607.28	NA	4.01	No	
MWRR-4	12/3/2003	623.27	626.13	613.27	603.27	18.65	1.45	20.10	17.24	606.03	-1.25	4.21	No	
MWRR-4	1/20/2004	623.27	626.13	613.27	603.27	18.97	2.50	21.47	18.61	604.66	-1.37	3.89	No	
MWRR-4	4/19/2004	623.27	626.13	613.27	603.27	NP	0.00	17.12	14.26	609.01	4.35	5.74	No	
MWRR-4	7/27/2004	623.27	626.13	613.27	603.27	17.06	0.10	17.16	14.30	608.97	-0.04	5.80	No	
MWRR-4	11/15/2004	623.27	626.13	613.27	603.27	16.41	0.03	16.44	13.58	609.69	0.72	6.45	No	
MWRR-4	4/18/2005	623.27	626.13	613.27	603.27	16.26	0.01	16.27	13.41	609.86	0.17	6.60	No	
MWRR-4	10/11/2005	623.27	626.13	613.27	603.27	NP	0.00	16.71	13.85	609.42	-0.44	6.15	No	
MWRR-4	5/23/2006	623.27	626.13	613.27	603.27	NP	0.00	15.98	13.12	610.15	0.73	6.88	No	
MWRR-4	10/16/2006	623.27	626.13	613.27	603.27	18.29	0.94	19.23	16.37	606.90	-3.25	4.57	No	
MWRR-4	4/23/2007	623.27	626.13	613.27	603.27	NP	0.00	16.70	13.84	609.43	2.53	6.16	No	
MWRR-4	9/25/2007	623.27	626.13	613.27	603.27	NP	0.00	17.44	14.58	608.69	-0.74	5.42	No	
MWRR-4	5/1/2008	623.27	626.13	613.27	603.27	NP	0.00	15.77	12.91	610.36	1.67	7.09	No	
MWRR-4	10/20/2008	623.27	626.13	613.27	603.27	NP	0.00	16.09	13.23	610.04	-0.32	6.77	No	
MWRR-4	4/18/2009	623.27	626.13	613.27	603.27	NP	0.00	16.27	13.41	609.86	-0.18	6.59	No	
MWRR-4	10/11/2009	623.27	626.13	613.27	603.27	NP	0.00	18.00	15.14	608.13	-1.73	4.86	No	
MWRR-4	4/28/2010	623.27	626.13	613.27	603.27	NP	0.00	17.38	14.52	608.75	0.62	5.48	No	
MWRR-4	10/25/2010	623.27	626.13	613.27	603.27	NP	0.00	16.68	13.82	609.45	0.70	6.18	No	
MWRR-4	4/25/2011	623.27	626.13	613.27	603.27	NP	0.00	16.41	13.55	609.72	0.27	6.45	No	
MWRR-4	10/11/2011	623.27	626.13	613.27	603.27	NP	0.00	18.06	15.20	608.07	-1.65	4.80	No	
MWRR-4	1/4/2012	623.27	626.13	613.27	603.27	19.10	0.29	19.39	16.53	606.74	-1.33	3.76	No	

Table 4
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWRR-4	4/16/2012	623.27	626.13	613.27	603.27	NP	0.00	18.04	15.18	608.09	1.35	4.82	No	
MWRR-4	6/28/2012	623.27	626.13	613.27	603.27	NP	0.00	15.12	12.26	611.01	2.92	7.74	No	
MWRR-4	9/30/2012	623.27	626.13	613.27	603.27	18.90	0.13	19.03	16.17	607.10	-3.91	3.96	No	
MWRR-4	12/17/2012	623.27	626.13	613.27	603.27	18.90	2.13	21.03	18.17	605.10	-2.00	3.96	No	
MWRR-4	3/25/2013	623.27	626.13	613.27	603.27	19.26	2.93	22.19	19.33	603.94	-1.16	3.60	No	
MWRR-4	5/6/2013	623.27	626.13	613.27	603.27	NP	0.00	16.67	13.81	609.46	5.52	6.19	No	
MWRR-4	10/3/2013	623.27	626.13	613.27	603.27	19.60	0.26	19.86	17.00	606.27	-3.19	3.26	No	
MWRR-4	5/22/2014	623.27	626.13	613.27	603.27	NP	0.00	14.85	11.99	611.28	5.01	8.01	No	
MWRR-4	10/31/2014	623.27	626.13	613.27	603.27	NP	0.00	17.27	14.41	608.86	-2.42	5.59	No	
MWRR-4	4/15/2015	623.27	626.13	613.27	603.27	NP	0.00	18.13	15.27	608.00	-0.86	4.73	No	
MWRR-4	4/22/2015	623.27	626.13	613.27	603.27	NP	0.00	17.44	14.58	608.69	0.69	5.42	No	
MWRR-4	4/29/2015	623.27	626.13	613.27	603.27	NP	0.00	17.12	14.26	609.01	0.32	5.74	No	
MWRR-4	5/6/2015	623.27	626.13	613.27	603.27	NP	0.00	17.27	14.41	608.86	-0.15	5.59	No	
MWRR-4	5/12/2015	623.27	626.13	613.27	603.27	NP	0.00	16.85	13.99	609.28	0.42	6.01	No	
MWRR-4	6/9/2015	623.27	626.13	613.27	603.27	NP	0.00	16.15	13.29	609.98	0.70	6.71	No	
MWRR-4	10/6/2015	623.27	626.13	613.27	603.27	NP	0.00	16.51	13.65	609.62	-0.36	6.35	No	
MWRR-4	5/23/2016	623.27	626.13	613.27	603.27	NP	0.00	15.82	12.96	610.31	0.69	7.04	No	
MWRR-4	10/3/2016	623.27	626.13	613.27	603.27	NP	0.00	17.04	14.18	609.09	-1.22	5.82	No	
MWRR-4	5/22/2017	623.27	626.13	613.27	603.27	NP	0.00	15.12	12.26	611.01	1.92	7.74	No	
MWRR-4	5/31/2017	623.27	626.13	613.27	603.27	NP	0.00	15.00	12.14	611.13	0.12	7.86	No	
MWRR-4	6/22/2017	623.27	626.13	613.27	603.27	NP	0.00	15.97	13.11	610.16	-0.97	6.89	No	
MWRR-4	5/30/2018	623.27	626.13	613.27	603.27	NP	0.00	16.28	13.42	609.85	-0.31	6.58	No	
MWRR-4	6/18/2018	623.27	626.13	613.27	603.27	NP	0.00	15.79	12.93	610.34	0.49	7.07	No	
MWRR-4	6/3/2019	623.27	626.13	613.27	603.27	NP	0.00	15.31	12.45	610.82	0.48	7.55	No	
MWRR-4	5/26/2020	623.27	626.13	613.27	603.27	NP	0.00	16.17	13.31	609.96	-0.86	6.69	No	
MWRR-4	5/25/2021	623.27	626.13	613.27	603.27	NP	0.00	16.19	13.33	609.94	-0.02	6.67	No	
MWRR-8	10/22/2003	622.90	624.62	613.82	598.82	17.94	0.04	17.98	16.26	606.64	NA	7.86	No	
MWRR-8	1/20/2004	622.90	624.62	613.82	598.82	18.43	0.02	18.45	16.73	606.17	-0.47	7.37	No	
MWRR-8	4/19/2004	622.90	624.62	613.82	598.82	16.14	0.06	16.20	14.48	608.42	2.25	9.66	No	
MWRR-8	7/27/2004	622.90	624.62	613.82	598.82	16.37	0.23	16.60	14.88	608.02	-0.40	9.43	No	
MWRR-8	11/15/2004	622.90	624.62	613.82	598.82	15.74	0.01	15.75	14.03	608.87	0.85	10.06	No	
MWRR-8	4/18/2005	622.90	624.62	613.82	598.82	15.37	0.01	15.38	13.66	609.24	0.37	10.43	No	
MWRR-8	10/11/2005	622.90	624.62	613.82	598.82	15.77	0.04	15.81	14.09	608.81	-0.43	10.03	No	
MWRR-8	5/23/2006	622.90	624.62	613.82	598.82	15.34	0.02	15.36	13.64	609.26	0.45	10.46	No	
MWRR-8	10/16/2006	622.90	624.62	613.82	598.82	17.46	0.29	17.45	16.03	606.87	-2.39	8.34	No	
MWRR-8	4/23/2007	622.90	624.62	613.82	598.82	15.82	0.22	16.04	14.32	608.58	1.71	9.98	No	
MWRR-8	9/25/2007	622.90	624.45	613.82	598.82	17.32	0.60	17.92	16.37	606.53	-2.05	8.31	No	
MWRR-8	5/1/2008	622.90	624.45	613.82	598.82	14.56	0.09	14.65	13.10	609.80	3.27	11.07	No	
MWRR-8	10/20/2008	622.90	624.45	613.82	598.82	15.39	0.13	15.52	13.97	608.93	-0.87	10.24	No	
MWRR-8	4/18/2009	622.90	624.45	613.82	598.82	15.31	0.07	15.38	13.83	609.07	0.14	10.32	No	
MWRR-8	10/11/2009	622.90	624.45	613.82	598.82	16.98	0.52	17.50	15.95	606.95	-2.12	8.65	No	
MWRR-8	4/28/2010	622.90	624.45	613.82	598.82	16.34	0.45	16.79	15.24	607.66	0.71	9.29	No	

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Former Amoco Terminal
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Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWRR-8	10/25/2010	622.90	624.45	613.82	598.82	15.80	0.02	15.82	14.27	608.63	0.97	9.83	No	
MWRR-8	4/25/2011	622.90	624.45	613.82	598.82	15.38	0.07	15.45	13.90	609.00	0.37	10.25	No	
MWRR-8	10/11/2011	622.90	624.45	613.82	598.82	17.05	0.49	17.54	15.99	606.91	-2.09	8.58	No	
MWRR-8	1/4/2012	622.90	624.45	613.82	598.82	18.03	0.34	18.37	16.82	606.08	-0.83	7.60	No	Spill Buddy Before Reading
MWRR-8	4/16/2012	622.90	624.45	613.82	598.82	16.65	1.03	17.68	16.13	606.77	0.69	8.98	No	Spill Buddy Before Reading
MWRR-8	6/28/2012	622.90	624.45	613.82	598.82	14.43	0.36	14.79	13.24	609.66	2.89	11.20	No	Spill Buddy Before Reading
MWRR-8	7/26/2012	622.90	624.45	613.82	598.82	16.07	1.19	17.26	15.71	607.19	-2.47	9.56	No	
MWRR-8	8/28/2012	622.90	624.45	613.82	598.82	17.22	0.63	17.85	16.30	606.60	-0.59	8.41	No	
MWRR-8	9/28/2012	622.90	624.45	613.82	598.82	17.89	0.26	18.15	16.60	606.30	-0.30	7.74	No	
MWRR-8	9/30/2012	622.90	624.45	613.82	598.82	17.92	0.02	17.94	16.39	606.51	0.21	7.71	No	
MWRR-8	11/21/2012	622.90	624.45	613.82	598.82	17.98	0.15	18.13	16.58	606.32	-0.19	7.65	No	
MWRR-8	12/17/2012	622.90	624.45	613.82	598.82	17.98	0.20	18.18	16.63	606.27	-0.05	7.65	No	
MWRR-8	3/25/2013	622.90	624.45	613.82	598.82	18.09	1.28	19.37	17.82	605.08	-1.19	7.54	No	
MWRR-8	5/6/2013	622.90	624.45	613.82	598.82	15.39	0.63	16.02	14.47	608.43	3.35	10.24	No	
MWRR-8	10/3/2013	622.90	624.45	613.82	598.82	17.44	1.06	18.50	16.95	605.95	-2.48	8.19	No	
MWRR-8	5/22/2014	622.90	624.45	613.82	598.82	13.92	0.72	14.64	13.09	609.81	3.86	11.71	No	
MWRR-8	6/18/2014	622.90	624.45	613.82	598.82	14.54	0.87	15.41	13.86	609.04	-0.77	11.09	No	
MWRR-8	10/31/2014	622.90	624.45	613.82	598.82	16.28	1.87	18.15	16.60	606.30	-2.74	9.35	No	
MWRR-8	4/15/2015	622.90	624.45	613.82	598.82	16.54	1.50	18.04	16.49	606.41	0.11	9.09	No	
MWRR-8	4/22/2015	622.90	624.45	613.82	598.82	16.21	0.18	16.39	14.84	608.06	1.65	9.42	No	
MWRR-8	4/29/2015	622.90	624.45	613.82	598.82	16.07	0.21	16.28	14.73	608.17	0.11	9.56	No	
MWRR-8	5/6/2015	622.90	624.45	613.82	598.82	16.17	0.28	16.45	14.90	608.00	-0.17	9.46	No	
MWRR-8	5/12/2015	622.90	624.45	613.82	598.82	15.81	0.04	15.85	14.30	608.60	0.60	9.82	No	
MWRR-8	6/9/2015	622.90	624.45	613.82	598.82	15.43	0.05	15.48	13.93	608.97	0.37	10.20	No	
MWRR-8	10/5/2015	622.90	624.45	613.82	598.82	15.77	0.08	15.85	14.30	608.60	-0.37	9.86	No	
MWRR-8	5/23/2016	622.90	624.45	613.82	598.82	15.26	0.06	15.32	13.77	609.13	0.53	10.37	No	
MWRR-8	10/3/2016	622.90	624.45	613.82	598.82	16.27	0.38	16.65	15.10	607.80	-1.33	9.36	No	
MWRR-8	5/22/2017	622.90	624.45	613.82	598.82	14.04	0.00	14.04	12.49	610.41	2.61	11.59	No	
MWRR-8	5/31/2017	622.90	624.45	613.82	598.82	14.12	0.04	14.16	12.61	610.29	-0.12	11.51	No	
MWRR-8	6/22/2017	622.90	624.45	613.82	598.82	15.43	0.19	15.62	14.07	608.83	-1.46	10.20	No	
MWRR-8	5/30/2018	622.90	624.45	613.82	598.82	15.40	0.05	15.45	13.90	609.00	0.17	10.23	No	
MWRR-8	10/29/2018	622.90	624.45	613.82	598.82	15.56	0.01	15.57	14.02	608.88	-0.12	10.07	No	
MWRR-8	10/8/2019	622.90	624.45	613.82	598.82	14.95	0.02	14.97	13.42	609.48	0.60	10.68	No	
MWRR-8	4/22/2020	622.90	624.45	613.82	598.82	NP	0.00	14.86	13.31	609.59	0.11	10.77	No	
MWRR-8	5/26/2020	622.90	624.45	613.82	598.82	15.63	0.02	15.65	14.10	608.80	-0.79	10.00	No	
MWRR-8	5/25/2021	622.90	624.45	613.82	598.82	NP	0.00	15.21	13.66	609.24	0.44	10.42	No	
MWOW-1	10/21/2003	607.38	610.16	604.38	599.38	5.58	0.17	5.75	2.97	604.41	NA	5.20	Yes	
MWOW-1	1/20/2004	607.38	610.16	604.38	599.38	6.11	0.24	6.35	3.57	603.81	-0.60	4.67	No	
MWOW-1	4/19/2004	607.38	610.16	604.38	599.38	4.27	0.13	4.40	1.62	605.76	1.95	6.51	Yes	
MWOW-1	7/27/2004	607.38	610.16	604.38	599.38	5.01	0.20	5.21	2.43	604.95	-0.81	5.77	Yes	
MWOW-1	11/15/2004	607.38	610.16	604.38	599.38	4.53	0.31	4.84	2.06	605.32	0.37	6.25	Yes	
MWOW-1	4/18/2005	607.38	610.16	604.38	599.38	4.33	0.31	4.64	1.86	605.52	0.20	6.45	Yes	

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MWOW-1	10/11/2005	607.38	610.16	604.38	599.38	4.29	0.25	4.54	1.76	605.62	0.10	6.49	Yes	
MWOW-1	5/23/2006	607.38	610.16	604.38	599.38	4.61	0.35	4.96	2.18	605.20	-0.42	6.17	Yes	
MWOW-1	10/16/2006	607.38	610.16	604.38	599.38	5.06	0.02	5.08	2.30	605.08	-0.12	5.72	Yes	
MWOW-1	4/23/2007	607.38	610.16	604.38	599.38	NP	0.00	4.10	1.32	606.06	0.98	6.68	Yes	
MWOW-1	9/25/2007	607.38	609.99	604.38	599.38	4.25	0.02	4.27	1.66	605.72	-0.34	6.36	Yes	
MWOW-1	5/1/2008	607.38	609.99	604.38	599.38	4.31	0.05	4.36	1.75	605.63	-0.09	6.30	Yes	
MWOW-1	10/20/2008	607.38	609.99	604.38	599.38	4.28	0.74	5.02	2.41	604.97	-0.66	6.33	Yes	
MWOW-1	4/18/2009	607.38	609.99	604.38	599.38	4.42	0.26	4.68	2.07	605.31	0.34	6.19	Yes	
MWOW-1	10/11/2009	607.38	609.99	604.38	599.38	5.64	0.03	5.67	3.06	604.32	-0.99	4.97	No	
MWOW-1	4/28/2010	607.38	609.99	604.38	599.38	4.85	0.54	5.39	2.78	604.60	0.28	5.76	Yes	
MWOW-1	10/25/2010	607.38	609.99	604.38	599.38	4.32	0.66	4.98	2.37	605.01	0.41	6.29	Yes	
MWOW-1	4/25/2011	607.38	609.99	604.38	599.38	4.48	0.71	5.19	2.58	604.80	-0.21	6.13	Yes	
MWOW-1	10/11/2011	607.38	609.99	604.38	599.38	5.99	0.14	6.13	3.52	603.86	-0.94	4.62	No	
MWOW-1	1/4/2012	607.38	609.99	604.38	599.38	6.61	0.31	6.92	4.31	603.07	-0.79	4.00	No	Spill Buddy Before Reading
MWOW-1	4/16/2012	607.38	609.99	604.38	599.38	4.59	0.26	4.85	2.24	605.14	2.07	6.02	Yes	Spill Buddy Before Reading
MWOW-1	6/28/2012	607.38	609.99	604.38	599.38	4.70	0.40	5.10	2.49	604.89	-0.25	5.91	Yes	Spill Buddy Before Reading
MWOW-1	7/26/2012	607.38	609.99	604.38	599.38	5.79	0.21	6.00	3.39	603.99	-0.90	4.82	No	
MWOW-1	8/28/2012	607.38	609.99	604.38	599.38	6.64	0.21	6.85	4.24	603.14	-0.85	3.97	No	
MWOW-1	9/28/2012	607.38	609.99	604.38	599.38	7.15	0.22	7.37	4.76	602.62	-0.52	3.46	No	
MWOW-1	9/30/2012	607.38	609.99	604.38	599.38	7.14	0.16	7.30	4.69	602.69	0.07	3.47	No	
MWOW-1	11/21/2012	607.38	609.99	604.38	599.38	NP	0.00	6.33	3.72	603.66	0.97	4.28	No	
MWOW-1	12/17/2012	607.38	609.99	604.38	599.38	NP	0.00	6.14	3.53	603.85	0.19	4.47	No	
MWOW-1	3/25/2013	607.38	609.99	604.38	599.38	NP	0.00	6.48	3.87	603.51	-0.34	4.13	No	
MWOW-1	5/6/2013	607.38	609.99	604.38	599.38	4.70	0.05	4.75	2.14	605.24	1.73	5.91	Yes	
MWOW-1	10/3/2013	607.38	609.99	604.38	599.38	NP	0.00	6.51	3.90	603.48	-1.76	4.10	No	
MWOW-1	5/21/2014	607.38	609.99	604.38	599.38	NP	0.00	4.75	2.14	605.24	1.76	5.86	Yes	
MWOW-1	7/30/2014	607.38	609.99	604.38	599.38	6.00	0.01	6.01	3.40	603.98	-1.26	4.61	No	
MWOW-1	10/31/2014	607.38	609.99	604.38	599.38	5.50	0.03	5.53	2.92	604.46	0.48	5.11	Yes	
MWOW-1	4/15/2015	607.38	609.99	604.38	599.38	4.93	0.05	4.98	2.37	605.01	0.55	5.68	Yes	
MWOW-1	4/22/2015	607.38	609.99	604.38	599.38	4.70	0.03	4.73	2.12	605.26	0.25	5.91	Yes	
MWOW-1	4/29/2015	607.38	609.99	604.38	599.38	4.86	0.01	4.87	2.26	605.12	-0.14	5.75	Yes	
MWOW-1	5/6/2015	607.38	609.99	604.38	599.38	5.03	0.01	5.04	2.43	604.95	-0.17	5.58	Yes	
MWOW-1	5/12/2015	607.38	609.99	604.38	599.38	NP	0.00	4.78	2.17	605.21	0.26	5.83	Yes	
MWOW-1	6/9/2015	607.38	609.99	604.38	599.38	NP	0.00	5.02	2.41	604.97	-0.24	5.59	Yes	
MWOW-1	10/6/2015	607.38	609.99	604.38	599.38	5.19	0.09	5.28	2.67	604.71	-0.26	5.42	Yes	
MWOW-1	5/23/2016	607.38	609.99	604.38	599.38	5.39	0.10	5.49	2.88	604.50	-0.21	5.22	Yes	
MWOW-1	10/3/2016	607.38	609.99	604.38	599.38	5.41	0.13	5.54	2.93	604.45	-0.05	5.20	Yes	
MWOW-1	5/22/2017	607.38	609.99	604.38	599.38	4.89	0.07	4.96	2.35	605.03	0.58	5.72	Yes	
MWOW-1	5/31/2017	607.38	609.99	604.38	599.38	5.03	0.09	5.12	2.51	604.87	-0.16	5.58	Yes	
MWOW-1	6/22/2017	607.38	609.99	604.38	599.38	5.64	0.10	5.74	3.13	604.25	-0.62	4.97	No	
MWOW-1	5/30/2018	607.38	609.99	604.38	599.38	5.21	0.04	5.25	2.64	604.74	0.49	5.40	Yes	
MWOW-1	10/22/2018	607.38	609.99	604.38	599.38	5.32	0.26	5.58	2.97	604.41	-0.33	5.29	Yes	
MWOW-1	10/29/2018	607.38	609.99	604.38	599.38	5.20	0.27	5.47	2.86	604.52	0.11	5.41	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWOW-1	10/8/2019	607.38	609.99	604.38	599.38	5.16	0.15	5.31	2.70	604.68	0.16	5.45	Yes	
MWOW-1	4/22/2020	607.38	609.99	604.38	599.38	5.38	0.13	5.51	2.90	604.48	-0.20	5.23	Yes	
MWOW-1	5/26/2020	607.38	609.99	604.38	599.38	5.74	0.14	5.88	3.27	604.11	-0.37	4.87	No	
MWOW-1	5/25/2021	607.38	609.99	604.38	599.38	5.29	0.15	5.44	2.83	604.55	0.44	5.32	Yes	
MWOW-2	10/21/2003	607.81	610.22	604.24	599.24	NP	0.00	5.01	2.60	605.21	NA	5.97	Yes	
MWOW-2	1/20/2004	607.81	610.22	604.24	599.24	NP	0.00	5.81	3.40	604.41	-0.80	5.17	Yes	
MWOW-2	4/19/2004	607.81	610.22	604.24	599.24	NP	0.00	3.34	0.93	606.88	2.47	7.64	Yes	
MWOW-2	7/27/2004	607.81	610.22	604.24	599.24	NP	0.00	4.28	1.87	605.94	-0.94	6.70	Yes	
MWOW-2	11/18/2004	607.81	610.22	604.24	599.24	NP	0.00	3.60	1.19	606.62	0.68	7.38	Yes	
MWOW-2	4/18/2005	607.81	610.22	604.24	599.24	NP	0.00	3.43	1.02	606.79	0.17	7.55	Yes	
MWOW-2	10/11/2005	607.81	610.22	604.24	599.24	NP	0.00	3.17	0.76	607.05	0.26	7.81	Yes	
MWOW-2	5/23/2006	607.81	610.22	604.24	599.24	NP	0.00	3.65	1.24	606.57	-0.48	7.33	Yes	
MWOW-2	10/16/2006	607.81	610.22	604.24	599.24	NP	0.00	4.98	2.57	605.24	-1.33	6.00	Yes	
MWOW-2	4/23/2007	607.81	610.22	604.24	599.24	NP	0.00	3.69	1.28	606.53	1.29	7.29	Yes	
MWOW-2	9/25/2007	607.81	609.88	604.24	599.24	NP	0.00	3.35	1.28	606.53	0.00	7.29	Yes	
MWOW-2	5/1/2008	607.81	609.88	604.24	599.24	NP	0.00	4.96	2.89	604.92	-1.61	5.68	Yes	
MWOW-2	10/20/2008	607.81	609.88	604.24	599.24	NP	0.00	5.05	2.98	604.83	-0.09	5.59	Yes	
MWOW-2	8/31/2011	607.81	609.88	604.24	599.24	NP	0.00	5.93	3.86	603.95	-0.88	4.71	No	
MWOW-2	10/11/2011	607.81	609.88	604.24	599.24	NP	0.00	5.68	3.61	604.20	0.25	4.96	No	
MWOW-2	1/4/2012	607.81	609.88	604.24	599.24	NP	0.00	5.22	3.15	604.66	0.46	5.42	Yes	
MWOW-2	4/16/2012	607.81	609.88	604.24	599.24	NP	0.00	2.69	0.62	607.19	2.53	7.95	Yes	
MWOW-2	6/28/2012	607.81	609.88	604.24	599.24	NP	0.00	2.32	0.25	607.56	0.37	8.32	Yes	
MWOW-2	9/30/2012	607.81	609.88	604.24	599.24	NP	0.00	5.32	3.25	604.56	-3.00	5.32	Yes	
MWOW-2	12/17/2012	607.81	609.88	604.24	599.24	NP	0.00	4.79	2.72	605.09	0.53	5.85	Yes	
MWOW-2	3/25/2013	607.81	609.88	604.24	599.24	NP	0.00	19.25	17.18	590.63	-14.46	-8.61	No	
MWOW-2	5/6/2013	607.81	609.88	604.24	599.24	NP	0.00	2.86	0.79	607.02	16.39	7.78	Yes	
MWOW-2	10/1/2013	607.81	609.88	604.24	599.24	NP	0.00	4.63	2.56	605.25	-1.77	6.01	Yes	
MWOW-2	5/20/2014	607.81	609.88	604.24	599.24	NP	0.00	2.06	-0.01	607.82	2.57	8.58	Yes	
MWOW-2	10/31/2014	607.81	609.88	604.24	599.24	NP	0.00	3.58	1.51	606.30	-1.52	7.06	Yes	
MWOW-2	5/4/2015	607.81	609.88	604.24	599.24	NP	0.00	3.65	1.58	606.23	-0.07	6.99	Yes	
MWOW-2	10/6/2015	607.81	609.88	604.24	599.24	NP	0.00	3.38	1.31	606.50	0.27	7.26	Yes	
MWOW-2	5/23/2016	607.81	609.88	604.24	599.24	NP	0.00	3.50	1.43	606.38	-0.12	7.14	Yes	
MWOW-2	10/3/2016	607.81	609.88	604.24	599.24	NP	0.00	3.85	1.78	606.03	-0.35	6.79	Yes	
MWOW-2	6/29/2017	607.81	609.88	604.24	599.24	NP	0.00	3.02	0.95	606.86	0.83	7.62	Yes	
MWOW-2	6/3/2019	607.81	609.88	604.24	599.24	NP	0.00	3.42	1.35	606.46	-0.40	7.22	Yes	
MWOW-2	5/26/2020	607.81	609.88	604.24	599.24	NP	0.00	4.01	1.94	605.87	-0.59	6.63	Yes	
MWOW-2	5/24/2021	607.81	609.88	604.24	599.24	NP	0.00	3.49	1.42	606.39	0.52	7.15	Yes	
MWOW-2D	6/18/2018	607.81	610.74	572.81	569.81	NP	0.00	2.62	-0.31	608.12	NA	38.31	Yes	
MWOW-2D	10/8/2018	607.81	610.74	572.81	569.81	NP	0.00	3.46	0.53	607.28	-0.84	37.47	Yes	
MWOW-2D	6/3/2019	607.81	610.74	572.81	569.81	NP	0.00	2.94	0.01	607.80	0.52	37.99	Yes	
MWOW-2D	10/2/2019	608.81	611.74	573.81	570.81	NP	0.00	3.10	0.17	608.64	0.84	37.83	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWOW-2D	5/26/2020	609.81	612.74	574.81	571.81	NP	0.00	3.99	1.06	608.75	0.11	36.94	Yes	
MWOW-2D	10/5/2020	609.81	612.74	574.81	571.81	NP	0.00	4.23	1.30	608.51	-0.24	36.70	Yes	
MWOW-2D	5/24/2021	609.81	612.74	574.81	571.81	NP	0.00	3.27	0.34	609.47		37.66	Yes	
MWOW-3	10/21/2003	622.65	625.53	616.73	601.73	NP	0.00	18.89	16.01	606.64	NA	4.91	No	
MWOW-3	1/20/2004	622.65	625.53	616.73	601.73	NP	0.00	19.38	16.50	606.15	-0.49	4.42	No	
MWOW-3	4/19/2004	622.65	625.53	616.73	601.73	NP	0.00	17.06	14.18	608.47	2.32	6.74	No	
MWOW-3	7/27/2004	622.65	625.53	616.73	601.73	NP	0.00	17.56	14.68	607.97	-0.50	6.24	No	
MWOW-3	11/16/2004	622.65	625.53	616.73	601.73	NP	0.00	17.04	14.16	608.49	0.52	6.76	No	
MWOW-3	4/18/2005	622.65	625.53	616.73	601.73	NP	0.00	16.33	13.45	609.20	0.71	7.47	No	
MWOW-3	10/11/2005	622.65	625.53	616.73	601.73	NP	0.00	16.86	13.98	608.67	-0.53	6.94	No	
MWOW-3	5/23/2006	622.65	625.53	616.73	601.73	NP	0.00	16.55	13.67	608.98	0.31	7.25	No	
MWOW-3	10/16/2006	622.65	625.53	616.73	601.73	NP	0.00	18.56	15.68	606.97	-2.01	5.24	No	
MWOW-3	4/23/2007	622.65	625.53	616.73	601.73	NP	0.00	16.89	14.01	608.64	1.67	6.91	No	
MWOW-3	9/25/2007	622.65	625.36	616.73	601.73	NP	0.00	17.34	14.63	608.02	-0.62	6.29	No	
MWOW-3	5/1/2008	622.65	625.36	616.73	601.73	NP	0.00	15.57	12.86	609.79	1.77	8.06	No	
MWOW-3	10/20/2008	622.65	625.36	616.73	601.73	NP	0.00	16.51	13.80	608.85	-0.94	7.12	No	
MWOW-3	4/18/2009	622.65	625.36	616.73	601.73	NP	0.00	16.42	13.71	608.94	0.09	7.21	No	
MWOW-3	10/11/2009	622.65	625.36	616.73	601.73	NP	0.00	18.13	15.42	607.23	-1.71	5.50	No	
MWOW-3	4/28/2010	622.65	625.36	616.73	601.73	NP	0.00	17.48	14.77	607.88	0.65	6.15	No	
MWOW-3	10/25/2010	622.65	625.36	616.73	601.73	NP	0.00	16.48	13.77	608.88	1.00	7.15	No	
MWOW-3	4/25/2011	622.65	625.36	616.73	601.73	NP	0.00	16.05	13.34	609.31	0.43	7.58	No	
MWOW-3	10/11/2011	622.65	625.36	616.73	601.73	NP	0.00	19.29	16.58	606.07	-3.24	4.34	No	
MWOW-3	1/4/2012	622.65	625.36	616.73	601.73	NP	0.00	19.13	16.42	606.23	0.16	4.50	No	
MWOW-3	4/16/2012	622.65	625.36	616.73	601.73	NP	0.00	17.76	15.05	607.60	1.37	5.87	No	
MWOW-3	6/28/2012	622.65	625.36	616.73	601.73	NP	0.00	15.72	13.01	609.64	2.04	7.91	No	
MWOW-3	9/30/2012	622.65	625.36	616.73	601.73	NP	0.00	19.03	16.32	606.33	-3.31	4.60	No	
MWOW-3	12/17/2012	622.65	625.36	616.73	601.73	NP	0.00	19.02	16.31	606.34	0.01	4.61	No	
MWOW-3	3/25/2013	622.65	625.36	616.73	601.73	NP	0.00	19.20	16.49	606.16	-0.18	4.43	No	
MWOW-3	5/6/2013	622.65	625.36	616.73	601.73	NP	0.00	16.62	13.91	608.74	2.58	7.01	No	
MWOW-3	10/1/2013	622.65	625.36	616.73	601.73	NP	0.00	18.84	16.13	606.52	-2.22	4.79	No	
MWOW-3	5/21/2014	622.65	625.36	616.73	601.73	NP	0.00	15.25	12.54	610.11	3.59	8.38	No	
MWOW-3	7/30/2014	622.65	625.36	616.73	601.73	NP	0.00	17.64	14.93	607.72	-2.39	5.99	No	
MWOW-3	10/31/2014	622.65	625.36	616.73	601.73	NP	0.00	17.76	15.05	607.60	-0.12	5.87	No	
MWOW-3	4/15/2015	622.65	625.36	616.73	601.73	NP	0.00	17.98	15.27	607.38	-0.22	5.65	No	
MWOW-3	4/22/2015	622.65	625.36	616.73	601.73	NP	0.00	17.34	14.63	608.02	0.64	6.29	No	
MWOW-3	4/29/2015	622.65	625.36	616.73	601.73	NP	0.00	17.34	14.63	608.02	0.00	6.29	No	
MWOW-3	5/5/2015	622.65	625.36	616.73	601.73	NP	0.00	17.51	14.80	607.85	-0.17	6.12	No	
MWOW-3	5/12/2015	622.65	625.36	616.73	601.73	NP	0.00	16.92	14.21	608.44	0.59	6.71	No	
MWOW-3	6/9/2015	622.65	625.36	616.73	601.73	NP	0.00	16.79	14.08	608.57	0.13	6.84	No	
MWOW-3	10/6/2015	622.65	625.36	616.73	601.73	NP	0.00	17.27	14.56	608.09	-0.48	6.36	No	
MWOW-3	5/24/2016	622.65	625.36	616.73	601.73	NP	0.00	16.69	13.98	608.67	0.58	6.94	No	
MWOW-3	10/3/2016	622.65	625.36	616.73	601.73	NP	0.00	17.65	14.94	607.71	-0.96	5.98	No	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWOW-3	5/22/2017	622.65	625.36	616.73	601.73	NP	0.00	15.21	12.50	610.15	2.44	8.42	No	
MWOW-3	5/31/2017	622.65	625.36	616.73	601.73	NP	0.00	15.35	12.64	610.01	-0.14	8.28	No	
MWOW-3	6/22/2017	622.65	625.36	616.73	601.73	NP	0.00	16.89	14.18	608.47	-1.54	6.74	No	
MWOW-3	6/3/2019	622.65	625.36	616.73	601.73	NP	0.00	16.10	13.39	609.26	0.79	7.53	No	
MWOW-3	10/2/2019	622.65	625.36	616.73	601.73	NP	0.00	16.97	14.26	608.39	-0.87	6.66	No	
MWOW-3	5/26/2020	622.65	625.36	616.73	601.73	NP	0.00	16.91	14.20	608.45	0.06	6.72	No	
MWOW-3	5/25/2021	622.65	625.36	616.73	601.73	NP	0.00	16.44	13.73	608.92	0.47	7.19	No	
MWOW-5	10/21/2003	622.52	625.13	615.43	600.43	18.23	0.08	18.31	15.70	606.82	NA	6.47	No	
MWOW-5	1/20/2004	622.52	625.13	615.43	600.43	18.68	0.21	18.89	16.28	606.24	-0.58	6.02	No	
MWOW-5	4/19/2004	622.52	625.13	615.43	600.43	NP	0.00	14.66	12.05	610.47	4.23	10.04	No	
MWOW-5	7/27/2004	622.52	625.13	615.43	600.43	NP	0.00	14.61	12.00	610.52	0.05	10.09	No	
MWOW-5	11/15/2004	622.52	625.13	615.43	600.43	15.89	0.01	15.90	13.29	609.23	-1.29	8.81	No	
MWOW-5	4/18/2005	622.52	625.13	615.43	600.43	14.16	0.03	14.19	11.58	610.94	1.71	10.54	No	
MWOW-5	10/11/2005	622.52	625.13	615.43	600.43	NP	0.00	14.54	11.93	610.59	-0.35	10.16	No	
MWOW-5	5/23/2006	622.52	625.13	615.43	600.43	14.16	0.03	14.19	11.58	610.94	0.35	10.54	No	
MWOW-5	10/16/2006	622.52	625.13	615.43	600.43	17.36	0.10	17.46	14.85	607.67	-3.27	7.34	No	
MWOW-5	4/23/2007	622.52	625.13	615.43	600.43	13.34	0.02	13.36	10.75	611.77	4.10	11.36	No	
MWOW-5	9/25/2007	622.52	624.96	615.43	600.43	16.95	0.07	17.02	14.58	607.94	-3.83	7.58	No	
MWOW-5	5/1/2008	622.52	624.96	615.43	600.43	16.23	0.07	16.30	13.86	608.66	0.72	8.30	No	
MWOW-5	10/20/2008	622.52	624.96	615.43	600.43	12.80	0.05	12.85	10.41	612.11	3.45	11.73	No	
MWOW-5	4/18/2009	622.52	624.96	615.43	600.43	14.15	0.06	14.21	11.77	610.75	-1.36	10.38	No	
MWOW-5	10/11/2009	622.52	624.96	615.43	600.43	16.46	0.18	16.64	14.20	608.32	-2.43	8.07	No	
MWOW-5	4/28/2010	622.52	624.96	615.43	600.43	14.59	0.09	14.68	12.24	610.28	1.96	9.94	No	
MWOW-5	10/25/2010	622.52	624.96	615.43	600.43	15.41	0.07	15.48	13.04	609.48	-0.80	9.12	No	
MWOW-5	4/25/2011	622.52	624.96	615.43	600.43	13.22	0.08	13.30	10.86	611.66	2.18	11.31	No	
MWOW-5	10/11/2011	622.52	624.96	615.43	600.43	13.22	1.08	14.30	11.86	610.66	-1.00	11.31	No	
MWOW-5	1/4/2012	622.52	624.96	615.43	600.43	18.60	0.50	19.10	16.66	605.86	-4.80	5.93	No	Spill Buddy Before Reading
MWOW-5	4/16/2012	622.52	624.96	615.43	600.43	15.82	0.07	15.89	13.45	609.07	3.21	8.71	No	Spill Buddy Before Reading
MWOW-5	6/28/2012	622.52	624.96	615.43	600.43	13.69	0.06	13.75	11.31	611.21	2.14	10.84	No	Spill Buddy Before Reading
MWOW-5	7/26/2012	622.52	624.96	615.43	600.43	16.19	0.12	16.31	13.87	608.65	-2.56	8.34	No	
MWOW-5	8/28/2012	622.52	624.96	615.43	600.43	17.45	0.35	17.80	15.36	607.16	-1.49	7.08	No	
MWOW-5	9/28/2012	622.52	624.96	615.43	600.43	18.15	0.27	18.42	15.98	606.54	-0.62	6.38	No	
MWOW-5	9/30/2012	622.52	624.96	615.43	600.43	18.04	0.15	18.19	15.75	606.77	0.23	6.49	No	
MWOW-5	11/21/2012	622.52	624.96	615.43	600.43	18.20	0.19	18.39	15.95	606.57	-0.20	6.33	No	
MWOW-5	12/17/2012	622.52	624.96	615.43	600.43	18.17	0.16	18.33	15.89	606.63	0.06	6.36	No	
MWOW-5	3/25/2013	622.52	624.96	615.43	600.43	17.85	0.23	18.08	15.64	606.88	0.25	6.68	No	
MWOW-5	5/6/2013	622.52	624.96	615.43	600.43	14.42	0.07	14.49	12.05	610.47	3.59	10.11	No	
MWOW-5	10/3/2013	622.52	624.96	615.43	600.43	17.87	0.15	18.02	15.58	606.94	-3.53	6.66	No	
MWOW-5	5/22/2014	622.52	624.96	615.43	600.43	13.07	0.04	13.11	10.67	611.85	4.91	11.46	No	
MWOW-5	6/18/2014	622.52	624.96	615.43	600.43	14.02	0.05	14.07	11.63	610.89	-0.96	10.51	No	
MWOW-5	10/31/2014	622.52	624.96	615.43	600.43	16.84	0.01	16.85	14.41	608.11	-2.78	7.69	No	
MWOW-5	4/15/2015	622.52	624.96	615.43	600.43	NP	0.00	16.61	14.17	608.35	0.24	7.92	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWOW-5	4/22/2015	622.52	624.96	615.43	600.43	NP	0.00	15.93	13.49	609.03	0.68	8.60	No	
MWOW-5	4/29/2015	622.52	624.96	615.43	600.43	NP	0.00	15.64	13.20	609.32	0.29	8.89	No	
MWOW-5	5/6/2015	622.52	624.96	615.43	600.43	15.72	0.01	15.73	13.29	609.23	-0.09	8.81	No	
MWOW-5	5/12/2015	622.52	624.96	615.43	600.43	NP	0.00	15.29	12.85	609.67	0.44	9.24	No	
MWOW-5	6/9/2015	622.52	624.96	615.43	600.43	14.57	0.02	14.59	12.15	610.37	0.70	9.96	No	
MWOW-5	10/5/2015	622.52	624.96	615.43	600.43	15.39	0.02	15.41	12.97	609.55	-0.82	9.14	No	
MWOW-5	5/23/2016	622.52	624.96	615.43	600.43	14.61	0.02	14.63	12.19	610.33	0.78	9.92	No	
MWOW-5	10/3/2016	622.52	624.96	615.43	600.43	NP	0.00	17.29	14.85	607.67	-2.66	7.24	No	
MWOW-5	5/22/2017	622.52	624.96	615.43	600.43	14.76	0.03	14.79	12.35	610.17	2.50	9.77	No	
MWOW-5	5/31/2017	622.52	624.96	615.43	600.43	13.30	0.10	13.40	10.96	611.56	1.39	11.23	No	
MWOW-5	6/22/2017	622.52	624.96	615.43	600.43	15.02	0.07	15.09	12.65	609.87	-1.69	9.51	No	
MWOW-5	5/30/2018	622.52	624.96	615.43	600.43	14.94	0.03	14.97	12.53	609.99	0.12	9.59	No	
MWOW-5	10/22/2018	622.52	624.96	615.43	600.43	15.03	0.03	15.06	12.62	609.90	-0.09	9.50	No	
MWOW-5	10/8/2019	622.52	624.96	615.43	600.43	14.52	0.02	14.54	12.10	610.42	0.52	10.01	No	
MWOW-5	4/22/2020	622.52	624.96	615.43	600.43	13.86	0.02	13.88	11.44	611.08	0.66	10.67	No	
MWOW-5	5/26/2020	622.52	624.96	615.43	600.43	14.84	0.04	14.88	12.44	610.08	-1.00	9.69	No	
MWOW-5	5/25/2021	622.52	624.96	615.43	600.43	14.30	0.05	14.35	11.91	610.61	0.53	10.23	No	
RWAST-1	10/11/2009	628.35	629.81	618.35	598.35	NP	0.00	15.02	13.56	614.79	NA	16.44	No	
RWAST-1	4/28/2010	628.35	629.81	618.35	598.35	NP	0.00	14.68	13.22	615.13	0.34	16.78	No	
RWAST-1	10/25/2010	628.35	629.81	618.35	598.35	NP	0.00	12.79	11.33	617.02	1.89	18.67	No	
RWAST-1	4/25/2011	628.35	629.81	618.35	598.35	NP	0.00	13.29	11.83	616.52	-0.50	18.17	No	
RWAST-1	10/11/2011	628.35	629.81	618.35	598.35	NP	0.00	14.31	12.85	615.50	-1.02	17.15	No	
RWAST-1	1/4/2012	628.35	629.81	618.35	598.35	NP	0.00	15.79	14.33	614.02	-1.48	15.67	No	
RWAST-1	2/16/2012	628.35	629.81	618.35	598.35	NP	0.00	16.47	15.01	613.34	-0.68	14.99	No	
RWAST-1	3/13/2012	628.35	629.81	618.35	598.35	NP	0.00	16.54	15.08	613.27	-0.07	14.92	No	
RWAST-1	4/16/2012	628.35	629.81	618.35	598.35	NP	0.00	15.86	14.40	613.95	0.68	15.60	No	
RWAST-1	6/28/2012	628.35	629.81	618.35	598.35	NP	0.00	11.30	9.84	618.51	4.56	20.16	Yes	
RWAST-1	9/30/2012	628.35	629.81	618.35	598.35	NP	0.00	15.49	14.03	614.32	-4.19	15.97	No	
RWAST-1	11/21/2012	628.35	629.81	618.35	598.35	NP	0.00	15.96	14.50	613.85	-0.47	15.50	No	
RWAST-1	12/17/2012	628.35	629.81	618.35	598.35	NP	0.00	16.22	14.76	613.59	-0.26	15.24	No	
RWAST-1	3/25/2013	628.35	629.81	618.35	598.35	NP	0.00	17.26	15.80	612.55	-1.04	14.20	No	
RWAST-1	5/6/2013	628.35	629.81	618.35	598.35	NP	0.00	15.23	13.77	614.58	2.03	16.23	No	
RWAST-1	5/23/2016	628.35	629.81	618.35	598.35	NP	0.00	11.08	9.62	618.73	4.15	20.38	Yes	
RWAST-1	10/3/2016	628.35	629.81	618.35	598.35	NP	0.00	12.91	11.45	616.90	-1.83	18.55	No	
RWAST-1	6/29/2017	628.35	629.81	618.35	598.35	NP	0.00	11.91	10.45	617.90	1.00	19.55	No	
RWAST-1	5/30/2018	628.35	629.81	618.35	598.35	NP	0.00	13.28	11.82	616.53	-1.37	18.18	No	
RWAST-1	6/18/2018	628.35	629.81	618.35	598.35	NP	0.00	11.67	10.21	618.14	1.61	19.79	No	
RWAST-1	6/27/2018	628.35	629.81	618.35	598.35	NP	0.00	11.90	10.44	617.91	-0.23	19.56	No	
RWAST-1	6/3/2019	628.35	629.81	618.35	598.35	NP	0.00	11.23	9.77	618.58	0.67	20.23	Yes	
RWAST-1	3/31/2020	628.35	629.81	618.35	598.35	NP	0.00	10.13	8.67	619.68	1.10	21.33	Yes	
RWAST-1	5/26/2020	628.35	629.81	618.35	598.35	NP	0.00	11.38	9.92	618.43	-1.25	20.08	Yes	
RWAST-1	5/24/2021	628.35	629.81	618.35	598.35	NP	0.00	12.57	11.11	617.24	-1.19	18.89	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
RWAST-2	10/11/2011	629.37	631.54	615.37	600.37	NP	0.00	15.58	13.41	615.96	NA	15.59	Yes	
RWAST-2	1/4/2012	629.37	631.54	615.37	600.37	NP	0.00	17.19	15.02	614.35	-1.61	13.98	No	
RWAST-2	2/16/2012	629.37	631.54	615.37	600.37	NP	0.00	17.89	15.72	613.65	-0.70	13.28	No	
RWAST-2	3/13/2012	629.37	631.54	615.37	600.37	17.99	0.43	18.42	15.91	613.46	-0.19	13.18	No	Spill Buddy Before Reading
RWAST-2	4/16/2012	629.37	631.54	615.37	600.37	16.46	3.70	20.16	15.08	614.29	0.83	14.71	No	
RWAST-2	6/28/2012	629.37	631.54	615.37	600.37	11.79	3.75	15.54	10.43	618.94	4.66	19.38	Yes	Spill Buddy Before Reading
RWAST-2	7/3/2012	629.37	631.54	615.37	600.37	12.38	3.73	16.11	11.01	618.36	-0.59	18.79	Yes	
RWAST-2	8/28/2012	629.37	631.54	615.37	600.37	15.95	0.04	15.99	13.79	615.58	-2.78	15.22	Yes	
RWAST-2	9/28/2012	629.37	631.54	615.37	600.37	16.83	0.06	16.89	14.67	614.70	-0.88	14.34	No	
RWAST-2	9/30/2012	629.37	631.54	615.37	600.37	16.83	0.01	16.84	14.66	614.71	0.01	14.34	No	
RWAST-2	11/21/2012	629.37	631.54	615.37	600.37	17.44	0.33	17.77	15.34	614.03	-0.68	13.73	No	Spill Buddy Before Reading
RWAST-2	12/17/2012	629.37	631.54	615.37	600.37	17.44	1.90	19.34	15.68	613.69	-0.34	13.73	No	
RWAST-2	3/25/2013	629.37	631.54	615.37	600.37	17.21	6.31	23.52	16.40	612.97	-0.72	13.96	No	
RWAST-2	4/29/2013	629.37	631.54	615.37	600.37	15.79	5.31	21.10	14.76	614.61	1.63	15.38	No	
RWAST-2	5/6/2013	629.37	631.54	615.37	600.37	16.37	1.99	18.36	14.63	614.74	0.13	14.80	No	
RWAST-2	10/3/2013	629.37	631.54	615.37	600.37	16.51	2.61	19.12	14.90	614.47	-0.27	14.66	No	
RWAST-2	5/22/2014	629.37	631.54	615.37	600.37	12.14	3.59	15.73	10.74	618.63	4.16	19.03	Yes	
RWAST-2	10/31/2014	629.37	631.54	615.37	600.37	14.23	3.55	17.78	12.82	616.55	-2.08	16.94	Yes	
RWAST-2	4/15/2015	629.37	631.54	615.37	600.37	15.98	5.64	21.62	15.02	614.35	-2.20	15.19	No	
RWAST-2	4/22/2015	629.37	631.54	615.37	600.37	16.04	3.13	19.17	14.54	614.83	0.48	15.13	No	
RWAST-2	4/29/2015	629.37	631.54	615.37	600.37	15.26	2.07	17.33	13.53	615.84	1.01	15.91	Yes	
RWAST-2	5/6/2015	629.37	631.54	615.37	600.37	16.22	0.93	17.15	14.25	615.12	-0.72	14.95	No	
RWAST-2	5/12/2015	629.37	631.54	615.37	600.37	15.76	1.14	16.90	13.83	615.54	0.41	15.41	Yes	
RWAST-2	6/9/2015	629.37	631.54	615.37	600.37	14.60	0.25	14.85	12.48	616.89	1.35	16.57	Yes	
RWAST-2	7/10/2015	629.37	631.54	615.37	600.37	15.33	0.06	15.39	13.17	616.20	-0.69	15.84	Yes	
RWAST-2	7/13/2015	629.37	631.54	615.37	600.37	15.25	0.09	15.34	13.10	616.27	0.07	15.92	Yes	
RWAST-2	7/15/2015	629.37	631.54	615.37	600.37	15.42	0.03	15.45	13.26	616.11	-0.16	15.75	Yes	
RWAST-2	7/17/2015	629.37	631.54	615.37	600.37	15.35	0.04	15.39	13.19	616.18	0.07	15.82	Yes	
RWAST-2	7/18/2015	629.37	631.54	615.37	600.37	15.38	0.03	15.41	13.22	616.15	-0.03	15.79	Yes	
RWAST-2	7/21/2015	629.37	631.54	615.37	600.37	15.60	0.04	15.64	13.44	615.93	-0.22	15.57	Yes	
RWAST-2	7/22/2015	629.37	631.54	615.37	600.37	15.65	0.04	15.69	13.49	615.88	-0.05	15.52	Yes	
RWAST-2	7/23/2015	629.37	631.54	615.37	600.37	15.70	0.06	15.76	13.54	615.83	-0.05	15.47	Yes	
RWAST-2	7/25/2015	629.37	631.54	615.37	600.37	15.78	0.01	15.79	13.61	615.76	-0.07	15.39	Yes	
RWAST-2	7/27/2015	629.37	631.54	615.37	600.37	15.87	0.02	15.89	13.70	615.67	-0.09	15.30	Yes	
RWAST-2	7/24/2015	629.37	631.54	615.37	600.37	15.64	0.02	15.66	13.47	615.90	0.23	15.53	Yes	
RWAST-2	7/31/2015	629.37	631.54	615.37	600.37	16.01	0.01	16.02	13.84	615.53	-0.37	15.16	Yes	
RWAST-2	8/4/2015	629.37	631.54	615.37	600.37	16.16	0.01	16.17	13.99	615.38	-0.15	15.01	Yes	
RWAST-2	8/7/2015	629.37	631.54	615.37	600.37	16.13	0.01	16.14	13.96	615.41	0.03	15.04	Yes	
RWAST-2	8/12/2015	629.37	631.54	615.37	600.37	16.13	0.00	16.13	13.96	615.41	0.00	15.04	Yes	
RWAST-2	8/14/2015	629.37	631.54	615.37	600.37	16.18	0.00	16.18	14.01	615.36	-0.05	14.99	No	
RWAST-2	8/15/2015	629.37	631.54	615.37	600.37	16.18	0.03	16.21	14.02	615.35	-0.01	14.99	No	
RWAST-2	8/17/2015	629.37	631.54	615.37	600.37	16.26	0.01	16.27	14.09	615.28	-0.08	14.91	No	

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Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
RWAST-2	9/10/2015	629.37	631.54	615.37	600.37	NP	0.00	15.67	13.50	615.87	0.59	15.50	Yes	
RWAST-2	9/14/2015	629.37	631.54	615.37	600.37	NP	0.00	15.73	13.56	615.81	-0.06	15.44	Yes	
RWAST-2	9/24/2015	629.37	631.54	615.37	600.37	NP	0.00	15.06	12.89	616.48	0.67	16.11	Yes	
RWAST-2	10/1/2015	629.37	631.54	615.37	600.37	NP	0.00	14.73	12.56	616.81	0.33	16.44	Yes	
RWAST-2	10/5/2015	629.37	631.54	615.37	600.37	NP	0.00	14.70	12.53	616.84	1.56	16.47	Yes	
RWAST-2	10/29/2015	629.37	631.54	615.37	600.37	NP	0.00	15.07	12.90	616.47	-0.37	16.10	Yes	
RWAST-2	11/3/2015	629.37	631.54	615.37	600.37	NP	0.00	14.90	12.73	616.64	0.17	16.27	Yes	
RWAST-2	4/21/2016	629.37	631.54	615.37	600.37	NP	0.00	12.26	10.09	619.28	2.64	18.91	Yes	
RWAST-2	4/27/2016	629.37	631.54	615.37	600.37	NP	0.00	11.31	9.14	620.23	0.95	19.86	Yes	
RWAST-2	5/18/2016	629.37	631.54	615.37	600.37	NP	0.00	12.19	10.02	619.35	-0.88	18.98	Yes	
RWAST-2	5/23/2016	629.37	631.54	615.37	600.37	NP	0.00	12.35	10.18	619.19	-0.16	18.82	Yes	
RWAST-2	5/31/2016	629.37	631.54	615.37	600.37	NP	0.00	12.41	10.24	619.13	-0.06	18.76	Yes	
RWAST-2	6/14/2016	629.37	631.54	615.37	600.37	NP	0.00	12.21	10.04	619.33	0.20	18.96	Yes	
RWAST-2	6/21/2016	629.37	631.54	615.37	600.37	NP	0.00	11.76	9.59	619.78	0.45	19.41	Yes	
RWAST-2	7/21/2016	629.37	631.54	615.37	600.37	NP	0.00	12.50	10.33	619.04	-0.74	18.67	Yes	
RWAST-2	7/25/2016	629.37	631.54	615.37	600.37	NP	0.00	12.94	10.77	618.60	-0.44	18.23	Yes	
RWAST-2	9/2/2016	629.37	631.54	615.37	600.37	NP	0.00	14.28	12.11	617.26	-1.34	16.89	Yes	
RWAST-2	10/3/2016	629.37	631.54	615.37	600.37	NP	0.00	14.42	12.25	617.12	-0.14	16.75	Yes	
RWAST-2	10/13/2016	629.37	631.54	615.37	600.37	NP	0.00	14.68	12.51	616.86	-0.26	16.49	Yes	
RWAST-2	5/18/2017	629.37	631.54	615.37	600.37	NP	0.00	12.63	10.46	618.91	2.05	18.54	Yes	
RWAST-2	5/31/2017	629.37	631.54	615.37	600.37	NP	0.00	11.11	8.94	620.43	1.52	20.06	Yes	
RWAST-2	5/14/2018	629.37	631.54	615.37	600.37	NP	0.00	15.02	12.85	616.52	-3.91	16.15	Yes	
RWAST-2	5/30/2018	629.37	631.54	615.37	600.37	NP	0.00	14.80	12.63	616.74	0.22	16.37	Yes	
RWAST-2	6/18/2018	629.37	631.54	615.37	600.37	NP	0.00	13.12	10.95	618.42	1.68	18.05	Yes	
RWAST-2	6/27/2018	629.37	631.54	615.37	600.37	NP	0.00	13.34	11.17	618.20	-0.22	17.83	Yes	
RWAST-2	5/26/2020	629.37	631.54	615.37	600.37	NP	0.00	12.71	10.54	618.83	0.63	18.46	Yes	
RWAST-2	5/24/2021	629.37	631.54	615.37	600.37	NP	0.00	14.17	12.00	617.37	-1.46	17.00	Yes	
RW-08	09/10/15	631.12	630.82	621.12	601.12	NP	0.00	14.93	15.23	615.89	NA	14.77	No	
RW-08	09/14/15	631.12	630.82	621.12	601.12	NP	0.00	14.79	15.09	616.03	0.14	14.91	No	
RW-08	10/01/15	631.12	630.82	621.12	601.12	NP	0.00	14.01	14.31	616.81	0.78	15.69	No	
RW-08	10/05/15	631.12	630.82	621.12	601.12	NP	0.00	13.88	14.18	616.94	0.13	15.82	No	
RW-08	04/11/16	631.12	630.82	621.12	601.12	NP	0.00	12.29	12.59	618.53	1.59	17.41	No	
RW-08	05/23/16	631.12	630.82	621.12	601.12	NP	0.00	11.74	12.04	619.08	0.55	17.96	No	
RW-08	10/03/16	631.12	630.82	621.12	601.12	13.43	0.09	13.52	13.75	617.37	-1.71	16.27	No	
RW-08	05/02/17	631.12	630.82	621.12	601.12	NP	0.00	12.71	13.01	618.11	0.74	16.99	No	
RW-08	05/18/17	631.12	630.82	621.12	601.12	NP	0.00	12.33	12.63	618.49	0.38	17.37	No	
RW-08	05/22/17	631.12	630.82	621.12	601.12	10.45	0.51	10.96	10.87	620.25	1.76	19.25	No	
RW-08	05/25/17	631.12	630.82	621.12	601.12	NP	0.00	10.75	11.05	620.07	-0.18	18.95	No	
RW-08	05/31/17	631.12	630.82	621.12	601.12	NP	0.00	10.73	11.03	620.09	0.02	18.97	No	
RW-08	08/30/17	631.12	630.82	621.12	601.12	NP	0.00	10.10	10.40	620.72	0.63	19.60	No	
RW-08	09/19/17	631.12	630.82	621.12	601.12	11.51	0.02	11.53	11.81	619.31	-1.41	18.19	No	
RW-08	05/14/18	631.12	630.82	621.12	601.12	14.56	0.08	14.64	14.88	616.24	-3.06	15.14	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
RW-08	05/23/18	631.12	630.82	621.12	601.12	14.62	0.08	14.70	14.94	616.18	-0.06	15.08	No	
RW-08	05/30/18	631.12	630.82	621.12	601.12	14.27	0.04	14.31	14.58	616.54	0.36	15.43	No	
RW-08	07/03/18	631.12	630.82	621.12	601.12	13.18	0.02	13.20	13.48	617.64	1.09	16.52	No	
RW-08	08/08/18	631.12	630.82	621.12	601.12	14.16	0.04	14.20	14.47	616.65	-0.98	15.54	No	
RW-08	08/16/18	631.12	630.82	621.12	601.12	14.45	0.10	14.55	14.77	616.35	-0.30	15.25	No	
RW-08	10/02/18	631.12	630.82	621.12	601.12	14.17	0.01	14.18	14.47	616.65	0.30	15.53	No	
RW-08	10/16/18	631.12	630.82	621.12	601.12	NP	0.00	12.95	13.25	617.87	1.22	16.75	No	
RW-08	10/22/18	631.12	630.82	621.12	601.12	NP	0.00	12.99	13.29	617.83	-0.04	16.71	No	
RW-08	10/29/18	631.12	630.82	621.12	601.12	13.12	0.01	13.13	13.42	617.70	-0.13	16.58	No	
RW-08	05/02/19	631.12	630.82	621.12	601.12	NP	0.00	13.88	14.18	616.94	-0.76	15.82	No	
RW-08	05/14/19	631.12	630.82	621.12	601.12	NP	0.00	12.79	13.09	618.03	1.09	16.91	No	
RW-08	05/28/19	631.12	630.82	621.12	601.12	NP	0.00	11.46	11.76	619.36	1.33	18.24	No	
RW-08	06/13/19	631.12	630.82	621.12	601.12	NP	0.00	11.63	11.93	619.19	-0.17	18.07	No	
RW-08	06/24/19	631.12	630.82	621.12	601.12	NP	0.00	12.40	12.70	618.42	-0.77	17.30	No	
RW-08	07/03/19	631.12	630.82	621.12	601.12	NP	0.00	12.17	12.47	618.65	0.23	17.53	No	
RW-08	07/25/19	631.12	630.82	621.12	601.12	13.44	0.01	13.45	13.74	617.38	-1.27	16.26	No	
RW-08	08/05/19	631.12	630.82	621.12	601.12	NP	0.00	13.64	13.94	617.18	-0.20	16.06	No	
RW-08	08/14/19	631.12	630.82	621.12	601.12	14.06	0.01	14.07	14.36	616.76	-0.42	15.64	No	
RW-08	09/12/19	631.12	630.82	621.12	601.12	NP	0.00	14.25	14.55	616.57	-0.19	15.45	No	
RW-08	10/08/19	631.12	630.82	621.12	601.12	NP	0.00	12.25	12.55	618.57	2.00	17.45	No	
RW-08	04/22/20	631.12	630.82	621.12	601.12	NP	0.00	10.57	10.87	620.25	1.68	19.13	No	
RW-08	04/30/20	631.12	630.82	621.12	601.12	NP	0.00	10.79	11.09	620.03	-0.22	18.91	No	
RW-08	05/11/20	631.12	630.82	621.12	601.12	NP	0.00	10.87	11.17	619.95	-0.08	18.83	No	
RW-08	05/26/20	631.12	630.82	621.12	601.12	NP	0.00	11.82	12.12	619.00	-0.95	17.88	No	
RW-08	06/11/20	631.12	630.82	621.12	601.12	NP	0.00	12.23	12.53	618.59	-0.41	17.47	No	
RW-08	06/22/20	631.12	630.82	621.12	601.12	NP	0.00	12.80	13.10	618.02	-0.57	16.90	No	
RW-08	07/06/20	631.12	630.82	621.12	601.12	NP	0.00	13.36	13.66	617.46	-0.56	16.34	No	
RW-08	07/20/20	631.12	630.82	621.12	601.12	NP	0.00	13.33	13.63	617.49	0.03	16.37	No	
RW-08	08/12/20	631.12	630.82	621.12	601.12	NP	0.00	13.02	13.32	617.80	0.31	16.68	No	
RW-08	08/25/20	631.12	630.82	621.12	601.12	NP	0.00	13.22	13.52	617.60	-0.20	16.48	No	
RW-08	9/8/2020	631.12	630.82	621.12	601.12	NP	0.00	13.52	13.82	617.30	-0.30	16.18	No	
RW-08	5/6/2021	631.12	630.82	621.12	601.12	NP	0.00	13.56	13.86	617.26	-0.04	16.14	No	
RW-08	5/13/2021	631.12	630.82	621.12	601.12	NP	0.00	13.70	14.00	617.12	-0.14	16.00	No	
RW-08	5/19/2021	631.12	630.82	621.12	601.12	NP	0.00	13.87	14.17	616.95	-0.17	15.83	No	
RW-08	5/24/2021	631.12	630.82	621.12	601.12	13.53	0.01	13.54	13.83	617.29	0.34	16.17	No	
RW-08	6/8/2021	631.12	630.82	621.12	601.12	NP	0.00	13.73	14.03	617.09	-0.20	15.97	No	
RW-08	6/22/2021	631.12	630.82	621.12	601.12	NP	0.00	14.18	14.48	616.64	-0.45	15.52	No	
RW-08	7/1/2021	631.12	630.82	621.12	601.12	NP	0.00	14.03	14.33	616.79	0.15	15.67	No	
RW-08	7/12/2021	631.12	630.82	621.12	601.12	NP	0.00	14.22	14.52	616.60	-0.19	15.48	No	
RW-08	7/27/2021	631.12	630.82	621.12	601.12	NP	0.00	14.67	14.97	616.15	-0.45	15.03	No	
RW-08	8/3/2021	631.12	630.82	621.12	601.12	14.67	0.01	14.68	14.97	616.15	0.00	15.03	No	
RW-08	8/24/2021	631.12	630.82	621.12	601.12	15.10	0.03	15.13	15.41	615.71	-0.43	14.60	No	
RW-08	9/14/2021	631.12	630.82	621.12	601.12	15.22	0.03	15.25	15.53	615.59	-0.12	14.48	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
RW-08	9/28/2021	631.12	630.82	621.12	601.12	15.11	0.02	15.13	15.41	615.71	0.11	14.59	No	
RW-09	09/10/15	631.17	631.02	621.17	601.17	NP	0.00	15.28	15.43	615.74	NA	14.57	No	
RW-09	09/14/15	631.17	631.02	621.17	601.17	NP	0.00	15.18	15.33	615.84	0.10	14.67	No	
RW-09	10/01/15	631.17	631.02	621.17	601.17	NP	0.00	14.40	14.55	616.62	0.78	15.45	No	
RW-09	10/05/15	631.17	631.02	621.17	601.17	NP	0.00	14.30	14.45	616.72	0.10	15.55	No	
RW-09	04/11/16	631.17	631.02	621.17	601.17	13.66	1.66	15.32	14.18	616.99	0.27	16.19	No	
RW-09	05/23/16	631.17	631.02	621.17	601.17	11.15	5.13	16.28	12.46	618.71	1.73	18.70	No	
RW-09	07/15/16	631.17	631.02	621.17	601.17	11.94	0.24	12.18	12.14	619.03	0.31	17.91	No	
RW-09	07/21/16	631.17	631.02	621.17	601.17	11.97	0.30	12.27	12.19	618.98	-0.04	17.88	No	
RW-09	07/25/16	631.17	631.02	621.17	601.17	12.18	0.44	12.62	12.43	618.74	-0.24	17.67	No	
RW-09	08/01/16	631.17	631.02	621.17	601.17	12.63	1.22	13.85	13.06	618.11	-0.63	17.22	No	
RW-09	08/09/16	631.17	631.02	621.17	601.17	12.79	1.36	14.15	13.25	617.92	-0.19	17.06	No	
RW-09	08/18/16	631.17	631.02	621.17	601.17	13.23	0.16	13.39	13.42	617.75	-0.17	16.62	No	
RW-09	08/29/16	631.17	631.02	621.17	601.17	13.59	0.35	13.94	13.82	617.35	-0.40	16.26	No	
RW-09	09/02/16	631.17	631.02	621.17	601.17	13.76	0.02	13.78	13.91	617.26	-0.10	16.09	No	
RW-09	09/20/16	631.17	631.02	621.17	601.17	13.26	0.74	14.00	13.58	617.59	0.34	16.59	No	
RW-09	10/03/16	631.17	631.02	621.17	601.17	13.60	0.94	14.54	13.96	617.21	-0.39	16.25	No	
RW-09	10/06/16	631.17	631.02	621.17	601.17	13.80	1.01	14.81	14.18	616.99	-0.22	16.05	No	
RW-09	10/13/16	631.17	631.02	621.17	601.17	13.86	1.03	14.89	14.24	616.93	-0.06	15.99	No	
RW-09	05/02/17	631.17	631.02	621.17	601.17	12.94	0.70	13.64	13.25	617.92	0.99	16.91	No	
RW-09	05/18/17	631.17	631.02	621.17	601.17	12.39	0.29	12.68	12.61	618.56	0.64	17.46	No	
RW-09	05/22/17	631.17	631.02	621.17	601.17	NP	0.00	10.96	11.11	620.06	1.50	18.89	No	
RW-09	05/25/17	631.17	631.02	621.17	601.17	10.81	0.26	11.07	11.02	620.15	0.09	19.04	No	
RW-09	05/31/17	631.17	631.02	621.17	601.17	10.81	0.24	11.05	11.01	620.16	0.00	19.04	No	
RW-09	08/30/17	631.17	631.02	621.17	601.17	10.20	0.30	10.50	10.42	620.75	0.60	19.65	No	
RW-09	09/19/17	631.17	631.02	621.17	601.17	11.71	0.32	12.03	11.93	619.24	-1.51	18.14	No	
RW-09	05/14/18	631.17	631.02	621.17	601.17	14.72	0.48	15.20	14.98	616.19	-3.05	15.13	No	
RW-09	05/23/18	631.17	631.02	621.17	601.17	14.85	0.48	15.33	15.11	616.06	-0.13	15.00	No	
RW-09	05/24/18	631.17	631.02	621.17	601.17	14.85	0.40	15.25	15.09	616.08	0.02	15.00	No	
RW-09	05/30/18	631.17	631.02	621.17	601.17	14.49	0.37	14.86	14.72	616.45	0.37	15.36	No	
RW-09	07/03/18	631.17	631.02	621.17	601.17	13.43	0.15	13.58	13.61	617.56	1.11	16.42	No	
RW-09	08/08/18	631.17	631.02	621.17	601.17	14.42	0.14	14.56	14.60	616.57	-0.99	15.43	No	
RW-09	08/16/18	631.17	631.02	621.17	601.17	14.71	0.18	14.89	14.90	616.27	-0.30	15.14	No	
RW-09	10/02/18	631.17	631.02	621.17	601.17	14.44	0.06	14.50	14.60	616.57	0.30	15.41	No	
RW-09	10/16/18	631.17	631.02	621.17	601.17	13.18	0.01	13.19	13.33	617.84	1.27	16.67	No	
RW-09	10/22/18	631.17	631.02	621.17	601.17	NP	0.00	13.21	13.36	617.81	-0.03	16.64	No	
RW-09	10/29/18	631.17	631.02	621.17	601.17	13.35	0.02	13.37	13.50	617.67	-0.14	16.50	No	
RW-09	05/02/19	631.17	631.02	621.17	601.17	13.95	0.05	14.00	14.11	617.06	-0.61	15.90	No	
RW-09	05/14/19	631.17	631.02	621.17	601.17	NP	0.00	12.85	13.00	618.17	1.11	17.00	No	
RW-09	05/28/19	631.17	631.02	621.17	601.17	NP	0.00	11.64	11.79	619.38	1.21	18.21	No	
RW-09	06/13/19	631.17	631.02	621.17	601.17	NP	0.00	11.88	12.03	619.14	-0.24	17.97	No	
RW-09	06/24/19	631.17	631.02	621.17	601.17	NP	0.00	12.68	12.83	618.34	-0.80	17.17	No	

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Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
RW-09	07/03/19	631.17	631.02	621.17	601.17	NP	0.00	12.41	12.56	618.61	0.27	17.44	No	
RW-09	07/25/19	631.17	631.02	621.17	601.17	13.69	0.01	13.70	13.84	617.33	-1.28	16.16	No	
RW-09	08/05/19	631.17	631.02	621.17	601.17	13.89	0.02	13.91	14.04	617.13	-0.20	15.96	No	
RW-09	08/14/19	631.17	631.02	621.17	601.17	14.32	0.05	14.37	14.48	616.69	-0.44	15.53	No	
RW-09	09/12/19	631.17	631.02	621.17	601.17	14.46	0.04	14.50	14.62	616.55	-0.14	15.39	No	
RW-09	10/08/19	631.17	631.02	621.17	601.17	NP	0.00	12.44	12.59	618.58	2.03	17.41	No	
RW-09	05/26/20	631.17	631.02	621.17	601.17	NP	0.00	12.04	12.19	618.98	0.40	17.81	No	
RW-09	04/22/20	631.17	631.02	621.17	601.17	NP	0.00	10.81	10.96	620.21	1.23	19.04	No	
RW-09	04/30/20	631.17	631.02	621.17	601.17	NP	0.00	10.99	11.14	620.03	-0.18	18.86	No	
RW-09	05/11/20	631.17	631.02	621.17	601.17	NP	0.00	11.09	11.24	619.93	-0.10	18.76	No	
RW-09	05/26/20	631.17	631.02	621.17	601.17	NP	0.00	12.04	12.19	618.98	-0.95	17.81	No	
RW-09	06/11/20	631.17	631.02	621.17	601.17	NP	0.00	12.47	12.62	618.55	-0.43	17.38	No	
RW-09	06/22/20	631.17	631.02	621.17	601.17	NP	0.00	13.02	13.17	618.00	-0.55	16.83	No	
RW-09	07/06/20	631.17	631.02	621.17	601.17	NP	0.00	13.59	13.74	617.43	-0.57	16.26	No	
RW-09	07/20/20	631.17	631.02	621.17	601.17	NP	0.00	13.55	13.70	617.47	0.04	16.30	No	
RW-09	08/12/20	631.17	631.02	621.17	601.17	NP	0.00	13.23	13.38	617.79	0.32	16.62	No	
RW-09	08/25/20	631.17	631.02	621.17	601.17	NP	0.00	13.44	13.59	617.58	-0.21	16.41	No	
RW-09	09/08/20	631.17	631.02	621.17	601.17	NP	0.00	13.74	13.89	617.28	-0.30	16.11	No	
RW-09	05/06/21	631.17	631.02	621.17	601.17	NP	0.00	13.68	13.83	617.34	0.06	16.17	No	
RW-09	05/13/21	631.17	631.02	621.17	601.17	NP	0.00	13.84	13.99	617.18	-0.16	16.01	No	
RW-09	05/19/21	631.17	631.02	621.17	601.17	NP	0.00	14.01	14.16	617.01	-0.17	15.84	No	
RW-09	05/24/21	631.17	631.02	621.17	601.17	13.63	0.01	13.64	13.78	617.39	0.38	16.22	No	
RW-09	6/8/2020	631.17	631.02	621.17	601.17	NP	0.00	13.85	14.00	617.17	-0.22	16.00	No	
RW-09	6/22/2021	631.17	631.02	621.17	601.17	14.29	0.02	14.31	14.44	616.73	-0.44	15.56	No	
RW-09	7/1/2021	631.17	631.02	621.17	601.17	NP	0.00	14.15	14.30	616.87	0.14	15.70	No	
RW-09	7/12/2021	631.17	631.02	621.17	601.17	14.33	0.01	14.34	14.48	616.69	-0.18	15.52	No	
RW-09	7/27/2021	631.17	631.02	621.17	601.17	NP	0.00	14.78	14.93	616.24	-0.45	15.07	No	
RW-09	8/3/2021	631.17	631.02	621.17	601.17	14.78	0.02	14.80	14.93	616.24	0.00	15.07	No	
RW-09	8/24/2021	631.17	631.02	621.17	601.17	15.21	0.02	15.23	15.36	615.81	-0.43	14.64	No	
RW-09	9/14/2021	631.17	631.02	621.17	601.17	15.33	0.02	15.35	15.48	615.69	-0.12	14.52	No	
RW-09	9/28/2021	631.17	631.02	621.17	601.17	15.25	0.02	15.27	15.40	615.77	0.08	14.60	No	
MRW-1	2/19/2003	626.10	630.41	610.10	605.10	17.39	0.13	17.52	13.11	612.99	NA	7.92	Yes	
MRW-1	3/13/2003	626.10	630.41	610.10	605.10	17.72	0.11	17.83	13.43	612.67	-0.33	7.59	Yes	
MRW-1	4/9/2003	626.10	630.41	610.10	605.10	17.55	0.02	17.57	13.24	612.86	0.19	7.76	Yes	
MRW-1	4/18/2003	626.10	630.41	610.10	605.10	17.55	0.04	17.59	13.25	612.85	0.00	7.76	Yes	
MRW-1	4/25/2003	626.10	630.41	610.10	605.10	17.1	0.04	17.14	12.80	613.30	0.45	8.21	Yes	
MRW-1	5/15/2003	626.10	630.41	610.10	605.10	16.45	0.20	16.65	12.18	613.92	0.62	8.86	Yes	
MRW-1	6/10/2003	626.10	630.41	610.10	605.10	16.11	0.18	16.29	11.84	614.26	0.34	9.20	Yes	
MRW-1	7/2/2003	626.10	630.41	610.10	605.10	15.74	0.42	16.16	11.52	614.58	0.32	9.57	Yes	
MRW-1	7/7/2003	626.10	630.41	610.10	605.10	15.65	0.70	16.35	11.49	614.61	0.03	9.66	Yes	
MRW-1	7/30/2003	626.10	630.41	610.10	605.10	15.73	0.70	16.43	11.57	614.53	-0.08	9.58	Yes	
MRW-1	8/12/2003	626.10	630.41	610.10	605.10	16.24	0.98	17.22	12.14	613.96	-0.57	9.07	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-1	9/8/2003	626.10	630.41	610.10	605.10	16.1	4.80	20.90	12.82	613.28	-0.68	9.21	Yes	
MRW-1	10/2/2003	626.10	630.41	610.10	605.10	16.97	0.15	17.12	12.69	613.41	0.13	8.34	Yes	
MRW-1	10/20/2003	626.10	630.41	610.10	605.10	17.02	0.13	17.15	12.74	613.36	-0.05	8.29	Yes	
MRW-1	12/3/2003	626.10	630.41	610.10	605.10	17.54	0.04	17.58	13.24	612.86	-0.50	7.77	Yes	
MRW-1	1/8/2004	626.10	630.41	610.10	605.10	17.93	0.48	18.41	13.72	612.38	-0.48	7.38	Yes	
MRW-1	1/20/2004	626.10	630.41	610.10	605.10	18.05	0.28	18.33	13.80	612.30	-0.08	7.26	Yes	
MRW-1	2/24/2004	626.10	630.41	610.10	605.10	18.42	0.02	18.44	14.11	611.99	-0.31	6.89	Yes	
MRW-1	3/22/2004	626.10	630.41	610.10	605.10	18.04	0.05	18.09	13.74	612.36	0.37	7.27	Yes	
MRW-1	4/19/2004	626.10	630.41	610.10	605.10	16.9	0.12	17.02	12.62	613.48	1.12	8.41	Yes	
MRW-1	5/18/2004	626.10	630.41	610.10	605.10	16.27	0.09	16.36	11.98	614.12	0.64	9.04	Yes	
MRW-1	6/17/2004	626.10	630.41	610.10	605.10	15.4	0.10	15.50	11.11	614.99	0.87	9.91	Yes	
MRW-1	6/28/2004	626.10	630.41	610.10	605.10	15.96	0.03	15.99	11.66	614.44	-0.54	9.35	Yes	
MRW-1	7/27/2004	626.10	630.41	610.10	605.10	15.98	0.07	16.05	11.69	614.41	-0.03	9.33	Yes	
MRW-1	8/24/2004	626.10	630.41	610.10	605.10	16.03	0.84	16.87	11.90	614.20	-0.22	9.28	Yes	
MRW-1	9/8/2004	626.10	630.41	610.10	605.10	15.9	0.61	16.51	11.72	614.38	0.18	9.41	Yes	
MRW-1	9/9/2004	626.10	630.41	610.10	605.10	15.87	0.24	16.11	11.61	614.49	0.11	9.44	Yes	
MRW-1	9/28/2004	626.10	630.41	610.10	605.10	15.14	0.26	15.40	10.89	615.21	0.73	10.17	Yes	
MRW-1	10/20/2004	626.10	630.41	610.10	605.10	15.58	0.01	15.59	11.27	614.83	-0.39	9.73	Yes	
MRW-1	11/23/2004	626.10	630.41	610.10	605.10	15.04	0.71	15.75	10.88	615.22	0.39	10.27	Yes	
MRW-1	1/5/2005	626.10	630.41	610.10	605.10	15.94	0.74	16.68	11.79	614.31	-0.91	9.37	Yes	
MRW-1	2/26/2005	626.10	630.41	610.10	605.10	16.76	0.16	16.92	12.48	613.62	-0.70	8.55	Yes	
MRW-1	3/29/2005	626.10	630.41	610.10	605.10	NP	0.00							
MRW-1	4/29/2005	626.10	630.41	610.10	605.10	14.87	0.40	15.27	10.65	615.45	1.84	10.44	Yes	
MRW-1	5/31/2005	626.10	630.41	610.10	605.10	14.22	0.34	14.56	9.98	616.12	0.66	11.09	Yes	
MRW-1	6/28/2005	626.10	630.41	610.10	605.10	13.63	0.38	14.01	9.40	616.70	0.58	11.68	Yes	
MRW-1	7/28/2005	626.10	630.41	610.10	605.10	14.88	0.44	15.32	10.66	615.44	-1.26	10.43	Yes	
MRW-1	8/11/2005	626.10	630.41	610.10	605.10	15.39	0.12	15.51	11.11	614.99	-0.44	9.92	Yes	
MRW-1	9/1/2005	626.10	630.41	610.10	605.10	16.12	0.26	16.38	11.87	614.23	-0.76	9.19	Yes	
MRW-1	9/16/2005	626.10	630.41	610.10	605.10	16.23	0.19	16.42	11.96	614.14	-0.09	9.08	Yes	
MRW-1	10/6/2005	626.10	630.41	610.10	605.10	14.63	0.21	14.84	10.37	615.73	1.60	10.68	Yes	
MRW-1	10/24/2005	626.10	630.41	610.10	605.10	14.61	0.18	14.79	10.34	615.76	0.03	10.70	Yes	
MRW-1	11/23/2005	626.10	630.41	610.10	605.10	13.99	0.12	14.11	9.71	616.39	0.63	11.32	Yes	
MRW-1	12/14/2005	626.10	630.41	610.10	605.10	14.37	0.17	14.54	10.10	616.00	-0.39	10.94	Yes	
MRW-1	1/5/2006	626.10	630.41	610.10	605.10	15.05	0.93	15.98	10.94	615.16	-0.84	10.26	Yes	
MRW-1	1/19/2006	626.10	630.41	610.10	605.10	14.75	1.50	16.25	10.76	615.34	0.18	10.56	Yes	
MRW-1	1/30/2006	626.10	630.41	610.10	605.10	14.51	3.46	17.97	10.94	615.16	-0.18	10.80	Yes	
MRW-1	1/31/2006	626.10	630.41	610.10	605.10	14.4	3.57	17.97	10.86	615.24	0.09	10.91	Yes	
MRW-1	2/3/2006	626.10	630.41	610.10	605.10	15.26	0.27	15.53	11.01	615.09	-0.15	10.05	Yes	
MRW-1	2/9/2006	626.10	630.41	610.10	605.10	15.22	0.22	15.44	10.96	615.14	0.05	10.09	Yes	
MRW-1	2/16/2006	626.10	630.41	610.10	605.10	15.69	0.16	15.85	11.41	614.69	-0.46	9.62	Yes	
MRW-1	2/28/2006	626.10	630.41	610.10	605.10	15.92	0.38	16.30	11.69	614.41	-0.28	9.39	Yes	
MRW-1	3/16/2006	626.10	630.41	610.10	605.10	15.86	0.47	16.33	11.65	614.45	0.04	9.45	Yes	
MRW-1	3/27/2006	626.10	630.41	610.10	605.10	15.37	0.33	15.70	11.13	614.97	0.52	9.94	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations	
MRW-1	4/14/2006	626.10	630.41	610.10	605.10	14.48	0.39	14.87	10.25	615.85	0.88	10.83	Yes		
MRW-1	5/6/2006	626.10	630.41	610.10	605.10	14.4	0.32	14.72	10.16	615.94	0.10	10.91	Yes		
MRW-1	6/1/2006	626.10	630.41	610.10	605.10	13.64	0.36	14.00	9.41	616.69	0.75	11.67	Yes		
MRW-1	6/29/2006	626.10	630.41	610.10	605.10	14.9	0.49	15.39	10.70	615.40	-1.29	10.41	Yes		
MRW-1	7/17/2006	626.10	630.41	610.10	605.10	15.77	0.36	16.13	11.54	614.56	-0.84	9.54	Yes		
MRW-1	8/24/2006	626.10	630.41	610.10	605.10	16.13	0.16	16.29	11.85	614.25	-0.32	9.18	Yes		
MRW-1	9/1/2006	626.10	630.41	610.10	605.10	16.12	0.26	16.38	11.87	614.23	-0.01	9.19	Yes		
MRW-1	9/14/2006	626.10	630.41	610.10	605.10	NP	0.00	16.77	12.46	613.64	-0.59	8.54	Yes		
MRW-1	9/16/2006	626.10	630.41	610.10	605.10	16.23	0.19	16.42	11.96	614.14	0.50	9.08	Yes		
MRW-1	9/28/2006	626.10	630.41	610.10	605.10	16.44	0.24	16.68	12.18	613.92	-0.22	8.87	Yes		
MRW-1	11/2/2006	626.10	630.41	610.10	605.10	16.63	0.29	16.92	12.38	613.72	-0.20	8.68	Yes		
MRW-1	11/21/2006	626.10	630.41	610.10	605.10	16.58	0.17	16.75	12.31	613.79	0.08	8.73	Yes		
MRW-1	12/14/2006	626.10	630.41	610.10	605.10	16.46	0.36	16.82	12.23	613.87	0.08	8.85	Yes		
MRW-1	12/28/2006	626.10	630.41	610.10	605.10	16.89	1.12	18.01	12.82	613.28	-0.59	8.42	Yes		
MRW-1	1/4/2007	626.10	630.41	610.10	605.10	16.15	0.70	16.85	11.99	614.11	0.83	9.16	Yes		
MRW-1	1/18/2007	626.10	630.41	610.10	605.10	16.74	0.24	16.98	12.48	613.62	-0.49	8.57	Yes		
MRW-1	2/1/2007	626.10	630.41	610.10	605.10	17.22	0.20	17.42	12.95	613.15	-0.47	8.09	Yes	Pump currently Shut Down	
MRW-1	2/22/2007	626.10	630.41	610.10	605.10	17.84	0.26	18.10	13.59	612.51	-0.63	7.47	Yes	Pump currently Shut Down	
MRW-1	3/15/2007	626.10	630.41	610.10	605.10	17.64	0.21	17.85	13.38	612.72	0.21	7.67	Yes		
MRW-1	3/29/2007	626.10	630.41	610.10	605.10	17.07	0.25	17.32	12.81	613.29	0.56	8.24	Yes		
MRW-1	4/13/2007	626.10	630.41	610.10	605.10	16.35	0.23	16.58	12.09	614.01	0.72	8.96	Yes		
MRW-1	4/29/2007	626.10	630.41	610.10	605.10	15.59	0.31	15.90	11.35	614.75	0.74	9.72	Yes		
MRW-1	5/10/2007	626.10	630.41	610.10	605.10	15.7	0.28	15.98	11.45	614.65	-0.10	9.61	Yes		
MRW-1	11/21/2012	626.10	630.41	610.10	605.10	16.97	0.18	17.15	12.70	613.40	-1.25	8.34	Yes		
MRW-1	12/17/2012	626.10	630.41	610.10	605.10	17.15	0.21	17.36	12.89	613.21	-0.19	8.16	Yes		
Well connected to Barge Dock Skimmer system															
MRW-1	3/25/2013	626.10	630.41	610.10	605.10	18.24	0.15	18.39	13.96	612.14	-1.08	7.07	Yes		
MRW-1	5/6/2013	626.10	630.41	610.10	605.10	15.73	0.13	15.86	11.45	614.65	2.51	9.58	Yes		
MRW-1	5/5/2014	626.10	630.41	610.10	605.10	13.2	0.15	13.35	8.92	617.18	2.53	12.11	Yes		
MRW-1	7/14/2014	626.10	630.41	610.10	605.10	13.48	0.17	13.65	9.21	616.89	-0.28	11.83	Yes		
MRW-1	7/18/2014	626.10	630.41	610.10	605.10	13.75	0.13	13.88	9.47	616.63	-0.26	11.56	Yes		
MRW-1	7/23/2014	626.10	630.41	610.10	605.10	14.14	0.13	14.27	9.86	616.24	-0.39	11.17	Yes		
MRW-1	9/4/2014	626.10	630.41	610.10	605.10	12.56	0.34	12.90	8.32	617.78	1.53	12.75	Yes		
MRW-1	2/19/2015	626.10	630.41	610.10	605.10	16.47	0.20	16.67	12.20	613.90	-3.88	8.84	Yes		
MRW-1	4/13/2015	626.10	630.41	610.10	605.10	16.7	0.24	16.94	12.44	613.66	-0.24	8.61	Yes		
MRW-1	4/17/2015	626.10	630.41	610.10	605.10	16.4	0.15	16.55	12.12	613.98	0.32	8.91	Yes		
MRW-1	4/24/2015	626.10	630.41	610.10	605.10	15.89	0.14	16.03	11.61	614.49	0.51	9.42	Yes	Bailed 1 Cup	
MRW-1	4/28/2015	626.10	630.41	610.10	605.10	15.72	0.14	15.86	11.44	614.66	0.17	9.59	Yes		
MRW-1	4/13/2015	626.10	630.41	610.10	605.10	16.7	0.24	16.94	12.44	613.66	-1.00	8.61	Yes	Bailed <0.25 gallons	
MRW-1	4/17/2015	626.10	630.41	610.10	605.10	16.4	0.15	16.55	12.12	613.98	0.32	8.91	Yes	Bailed <0.25 gallons	
MRW-1	4/22/2015	626.10	630.41	610.10	605.10	15.99	0.12	16.11	11.71	614.39	0.42	9.32	Yes	Bailed <0.25 gallons	
MRW-1	4/28/2015	626.10	630.41	610.10	605.10	15.72	0.14	15.86	11.44	614.66	0.27	9.59	Yes	Bailed <0.25 gallons	
MRW-1	5/5/2015	Pulled and removed pumps - system shut down - moved to bailing wells													Bailed <0.25 gallons

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Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-1	5/9/2015	626.10	630.41	610.10	605.10	15.63	0.12	15.75	11.35	614.75	0.09	9.68	Yes	Bailed <0.25 gallons (trace)
MRW-1	5/12/2015	626.10	630.41	610.10	605.10	15.13	0.13	15.26	10.85	615.25	0.50	10.18	Yes	Bailed a trace amount of LNAPL
MRW-1	5/15/2015	626.10	630.41	610.10	605.10	14.54	0.11	14.65	10.25	615.85	0.59	10.77	Yes	Bailed a trace amount of LNAPL
MRW-1	5/22/2015	626.10	630.41	610.10	605.10	14.1	0.14	14.24	9.82	616.28	0.43	11.21	Yes	Bailed a trace amount of LNAPL
MRW-1	5/28/2015	626.10	630.41	610.10	605.10	13.86	0.12	13.98	9.58	616.52	0.24	11.45	Yes	No LNAPL bailed
MRW-1	6/5/2015	626.10	630.41	610.10	605.10	14.16	0.16	14.32	9.88	616.22	-0.31	11.15	Yes	No LNAPL bailed
MRW-1	6/9/2015	626.10	630.41	610.10	605.10	14.01	0.13	14.14	9.73	616.37	0.16	11.30	Yes	
MRW-1	6/13/2015	626.10	630.41	610.10	605.10	14.45	0.11	14.56	10.16	615.94	-0.44	10.86	Yes	
MRW-1	6/19/2015	626.10	630.41	610.10	605.10	14.81	0.12	14.93	10.53	615.57	-0.36	10.50	Yes	
MRW-1	6/25/2015	626.10	630.41	610.10	605.10	14.75	0.11	14.86	10.46	615.64	0.06	10.56	Yes	
MRW-1	7/2/2015	626.10	630.41	610.10	605.10	14.98	0.08	15.06	10.69	615.41	-0.22	10.33	Yes	
MRW-1	7/7/2015	626.10	630.41	610.10	605.10	14.71	0.10	14.81	10.42	615.68	0.27	10.60	Yes	
MRW-1	7/13/2015	626.10	630.41	610.10	605.10	14.56	0.10	14.66	10.27	615.83	0.15	10.75	Yes	
MRW-1	7/21/2015	626.10	630.41	610.10	605.10	15.12	0.10	15.22	10.83	615.27	-0.56	10.19	Yes	
MRW-1	7/27/2015	626.10	630.41	610.10	605.10	15.53	0.09	15.62	11.24	614.86	-0.41	9.78	Yes	
MRW-1	7/31/2015	626.10	630.41	610.10	605.10	15.72	0.09	15.81	11.43	614.67	-0.19	9.59	Yes	
MRW-1	8/7/2015	626.10	630.41	610.10	605.10	15.68	0.09	15.77	11.39	614.71	0.04	9.63	Yes	
MRW-1	8/14/2015	626.10	630.41	610.10	605.10	15.71	0.08	15.79	11.42	614.68	-0.03	9.60	Yes	
MRW-1	8/24/2015	626.10	630.41	610.10	605.10	15.21	0.09	15.30	10.92	615.18	0.50	10.10	Yes	
MRW-1	9/10/2015	626.10	630.41	610.10	605.10	14.86	0.10	14.96	10.57	615.53	0.35	10.45	Yes	
MRW-1	9/24/2015	626.10	630.41	610.10	605.10	14.15	0.09	14.24	9.86	616.24	0.71	11.16	Yes	
MRW-1	10/1/2015	626.10	630.41	610.10	605.10	13.96	0.10	14.06	9.67	616.43	0.19	11.35	Yes	
MRW-1	10/29/2015	626.10	630.41	610.10	605.10	14.34	0.10	14.44	10.05	616.05	0.52	10.97	Yes	
MRW-1	11/3/2015	626.10	630.41	610.10	605.10	14.21	0.12	14.33	9.93	616.17	0.13	11.10	Yes	
MRW-1	10/3/2016	626.10	630.41	610.10	605.10	14.06	0.09	14.15	9.77	616.33	0.16	11.25	Yes	
MRW-1	5/2/2017	626.10	630.41	610.10	605.10	12.44	0.11	12.55	8.15	617.95	1.62	12.87	Yes	
MRW-1	5/22/2017	626.10	630.41	610.10	605.10	11.13	0.06	11.19	6.83	619.27	1.32	14.18	Yes	
MRW-1	5/31/2017	626.10	630.41	610.10	605.10	11.21	0.07	11.28	6.92	619.18	-0.08	14.10	Yes	
MRW-1	5/2/2017	626.10	630.41	610.10	605.10	12.44	0.11	12.55	8.15	617.95	-1.24	12.87	Yes	
MRW-1	5/22/2017	626.10	630.41	610.10	605.10	11.13	0.06	11.19	6.83	619.27	1.32	14.18	Yes	
MRW-1	5/31/2017	626.10	630.41	610.10	605.10	11.21	0.07	11.28	6.92	619.18	-0.08	14.10	Yes	
MRW-1	8/8/2017	626.10	630.41	610.10	605.10	13.03	0.08	13.11	8.74	617.36	-1.82	12.28	Yes	
MRW-1	8/15/2017	626.10	630.41	610.10	605.10	12.26	0.07	12.33	7.97	618.13	0.77	13.05	Yes	
MRW-1	5/14/2018	626.10	630.41	610.10	605.10	14.44	0.06	14.50	10.14	615.96	-2.18	10.87	Yes	
MRW-1	5/28/2019	626.10	630.41	610.10	605.10	11.59	0.06	11.65	7.29	618.81	2.85	13.72	Yes	
MRW-1	5/26/2020	626.10	630.41	610.10	605.10	12.75	0.06	12.81	8.45	617.65	-1.16	12.56	Yes	
MRW-1	5/24/2021	626.10	630.41	610.10	605.10	13.55	0.10	13.65	9.26	616.84	-0.81	11.76	Yes	
MRW-2	2/19/2003	627.00	630.85	610.00	605.00	NP	0.00	17.38	13.53	613.47	NA	8.47	Yes	
MRW-2	3/13/2003	627.00	630.85	610.00	605.00	NP	0.00	17.71	13.86	613.14	-0.33	8.14	Yes	
MRW-2	4/9/2003	627.00	630.85	610.00	605.00	17.45	0.37	17.82	13.68	613.32	0.18	8.40	Yes	
MRW-2	4/18/2003	627.00	630.85	610.00	605.00	17.4	0.50	17.90	13.66	613.34	0.02	8.45	Yes	
MRW-2	4/25/2003	627.00	630.85	610.00	605.00	16.97	0.91	17.88	13.32	613.68	0.34	8.88	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-2	5/15/2003	627.00	630.85	610.00	605.00	16.56	0.24	16.80	12.76	614.24	0.55	9.29	Yes	
MRW-2	6/10/2003	627.00	630.85	610.00	605.00	16.18	0.07	16.25	12.35	614.65	0.42	9.67	Yes	
MRW-2	7/2/2003	627.00	630.85	610.00	605.00	15.87	0.18	16.05	12.06	614.94	0.29	9.98	Yes	
MRW-2	7/7/2003	627.00	630.85	610.00	605.00	15.88	0.15	16.03	12.06	614.94	0.00	9.97	Yes	
MRW-2	7/30/2003	627.00	630.85	610.00	605.00	15.87	0.41	16.28	12.11	614.89	-0.05	9.98	Yes	
MRW-2	8/12/2003	627.00	630.85	610.00	605.00	16.21	1.09	17.30	12.59	614.41	-0.49	9.64	Yes	
MRW-2	9/8/2003	627.00	630.85	610.00	605.00	16.57	2.51	19.08	13.26	613.74	-0.67	9.28	Yes	
MRW-2	10/2/2003	627.00	630.85	610.00	605.00	17.04	0.51	17.55	13.30	613.70	-0.04	8.81	Yes	
MRW-2	10/20/2003	627.00	630.85	610.00	605.00	17.16	0.25	17.41	13.36	613.64	-0.06	8.69	Yes	
MRW-2	12/3/2003	627.00	630.85	610.00	605.00	17.24	1.12	18.36	13.63	613.37	-0.27	8.61	Yes	
MRW-2	1/8/2004	627.00	630.85	610.00	605.00	17.31	3.02	20.33	14.11	612.89	-0.48	8.54	Yes	
MRW-2	1/20/2004	627.00	630.85	610.00	605.00	17.67	1.70	19.37	14.19	612.81	-0.08	8.18	Yes	
MRW-2	2/24/2004	627.00	630.85	610.00	605.00	18.16	1.22	19.38	14.57	612.43	-0.39	7.69	Yes	
MRW-2	3/22/2004	627.00	630.85	610.00	605.00	17.94	0.72	18.66	14.24	612.76	0.33	7.91	Yes	
MRW-2	4/19/2004	627.00	630.85	610.00	605.00	16.77	1.38	18.15	13.22	613.78	1.03	9.08	Yes	
MRW-2	5/18/2004	627.00	630.85	610.00	605.00	16.39	0.41	16.80	12.63	614.37	0.59	9.46	Yes	
MRW-2	6/17/2004	627.00	630.85	610.00	605.00	15.18	1.38	16.56	11.63	615.37	1.00	10.67	Yes	
MRW-2	6/28/2004	627.00	630.85	610.00	605.00	15.91	0.60	16.51	12.19	614.81	-0.56	9.94	Yes	
MRW-2	7/27/2004	627.00	630.85	610.00	605.00	15.72	1.16	16.88	12.12	614.88	0.07	10.13	Yes	
MRW-2	8/24/2004	627.00	630.85	610.00	605.00	16.14	0.42	16.56	12.38	614.62	-0.26	9.71	Yes	
MRW-2	9/8/2004	627.00	630.85	610.00	605.00	15.99	0.45	16.44	12.24	614.76	0.14	9.86	Yes	
MRW-2	9/9/2004	627.00	630.85	610.00	605.00	15.95	0.23	16.18	12.15	614.85	0.09	9.90	Yes	
MRW-2	9/28/2004	627.00	630.85	610.00	605.00	15.17	0.51	15.68	11.43	615.57	0.72	10.68	Yes	
MRW-2	10/20/2004	627.00	630.85	610.00	605.00	15.61	0.02	15.63	11.76	615.24	-0.33	10.24	Yes	
MRW-2	11/23/2004	627.00	630.85	610.00	605.00	14.88	0.88	15.76	11.22	615.78	0.55	10.97	Yes	
MRW-2	1/5/2005	627.00	630.85	610.00	605.00	15.89	1.03	16.92	12.26	614.74	-1.04	9.96	Yes	
MRW-2	2/26/2005	627.00	630.85	610.00	605.00	17.64	0.24	17.88	13.84	613.16	-1.58	8.21	Yes	
MRW-2	3/29/2005	627.00	630.85	610.00	605.00	NP	0.00	NP						
MRW-2	4/29/2005	627.00	630.85	610.00	605.00	15.92		NP						
MRW-2	5/31/2005	627.00	630.85	610.00	605.00	14.28	0.06	14.34	10.44	616.56	3.40	11.57	Yes	
MRW-2	6/28/2005	627.00	630.85	610.00	605.00	13.66	0.16	13.82	9.84	617.16	0.60	12.19	Yes	
MRW-2	7/28/2005	627.00	630.85	610.00	605.00	14.94	0.14	15.08	11.12	615.88	-1.28	10.91	Yes	
MRW-2	8/11/2005	627.00	630.85	610.00	605.00	15.39	0.04	15.43	11.55	615.45	-0.43	10.46	Yes	
MRW-2	9/1/2005	627.00	630.85	610.00	605.00	16.12	0.06	16.18	12.28	614.72	-0.73	9.73	Yes	
MRW-2	9/16/2005	627.00	630.85	610.00	605.00	16.21		-						
MRW-2	10/6/2005	627.00	630.85	610.00	605.00	14.76	0.07	14.83	10.93	616.07	1.36	11.09	Yes	
MRW-2	10/24/2005	627.00	630.85	610.00	605.00	14.62	0.06	14.68	10.78	616.22	0.14	11.23	Yes	
MRW-2	11/23/2005	627.00	630.85	610.00	605.00	14	0.08	14.08	10.17	616.83	0.62	11.85	Yes	
MRW-2	12/14/2005	627.00	630.85	610.00	605.00	14.34	0.07	14.41	10.51	616.49	-0.34	11.51	Yes	
MRW-2	1/5/2006	627.00	630.85	610.00	605.00	NP	0.00	15.29	11.44	615.56	-0.93	10.56	Yes	
MRW-2	1/19/2006	627.00	630.85	610.00	605.00	14.26	0.06	14.32	10.42	616.58	1.02	11.59	Yes	
MRW-2	1/30/2006	627.00	630.85	610.00	605.00	15.28	0.05	15.33	11.44	615.56	-1.02	10.57	Yes	
MRW-2	2/3/2006	627.00	630.85	610.00	605.00	15.32	0.07	15.39	11.49	615.51	-0.04	10.53	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-2	2/9/2006	627.00	630.85	610.00	605.00	15.2	0.05	15.25	11.36	615.64	0.12	10.65	Yes	
MRW-2	2/16/2006	627.00	630.85	610.00	605.00	15.62	0.04	15.66	11.78	615.22	-0.42	10.23	Yes	
MRW-2	2/28/2006	627.00	630.85	610.00	605.00	15.93	0.11	16.04	12.10	614.90	-0.33	9.92	Yes	
MRW-2	3/16/2006	627.00	630.85	610.00	605.00	15.98	0.33	16.31	12.20	614.80	-0.10	9.87	Yes	
MRW-2	3/27/2006	627.00	630.85	610.00	605.00	15.37	0.31	15.68	11.59	615.41	0.61	10.48	Yes	
MRW-2	4/14/2006	627.00	630.85	610.00	605.00	14.54	0.31	14.85	10.76	616.24	0.83	11.31	Yes	
MRW-2	5/6/2006	627.00	630.85	610.00	605.00	14.47	0.27	14.74	10.68	616.32	0.08	11.38	Yes	
MRW-2	6/1/2006	627.00	630.85	610.00	605.00	13.69	0.23	13.92	9.89	617.11	0.79	12.16	Yes	
MRW-2	6/29/2006	627.00	630.85	610.00	605.00	NP	0.00	15.00	11.15	615.85	-1.26	10.85	Yes	
MRW-2	7/17/2006	627.00	630.85	610.00	605.00	15.67	0.12	15.79	11.85	615.15	-0.70	10.18	Yes	
MRW-2	8/24/2006	627.00	630.85	610.00	605.00	16.09	0.16	16.25	12.27	614.73	-0.43	9.76	Yes	
MRW-2	9/1/2006	627.00	630.85	610.00	605.00	16.12	0.06	16.18	12.28	614.72	-0.01	9.73	Yes	
MRW-2	9/14/2006	627.00	630.85	610.00	605.00	NP	0.00	16.69	12.84	614.16	-0.56	9.16	Yes	
MRW-2	9/28/2006	627.00	630.85	610.00	605.00	16.42	0.10	16.52	12.59	614.41	0.25	9.43	Yes	
MRW-2	11/2/2006	627.00	630.85	610.00	605.00	16.45	0.11	16.56	12.62	614.38	-0.03	9.40	Yes	
MRW-2	11/21/2006	627.00	630.85	610.00	605.00	16.64	0.42	17.06	12.88	614.12	-0.26	9.21	Yes	
MRW-2	12/14/2006	627.00	630.85	610.00	605.00	16.33	0.77	17.10	12.65	614.35	0.23	9.52	Yes	
MRW-2	12/28/2006	627.00	630.85	610.00	605.00	16.75	2.00	18.75	13.33	613.67	-0.68	9.10	Yes	
MRW-2	1/4/2007	627.00	630.85	610.00	605.00	16.08	1.52	17.60	12.56	614.44	0.77	9.77	Yes	
MRW-2	1/18/2007	627.00	630.85	610.00	605.00	NP	0.00	16.88	13.03	613.97	-0.47	8.97	Yes	
MRW-2	2/1/2007	627.00	630.85	610.00	605.00	17.2	0.15	17.35	13.38	613.62	-0.35	8.65	Yes	Pump currently Shut Down
MRW-2	2/22/2007	627.00	630.85	610.00	605.00	17.82	0.16	17.98	14.00	613.00	-0.62	8.03	Yes	Pump currently Shut Down
MRW-2	3/15/2007	627.00	630.85	610.00	605.00	17.56	0.66	18.22	13.85	613.15	0.15	8.29	Yes	
MRW-2	3/29/2007	627.00	630.85	610.00	605.00	16.95	1.15	18.10	13.35	613.65	0.50	8.90	Yes	
MRW-2	4/13/2007	627.00	630.85	610.00	605.00	16.37	0.51	16.88	12.63	614.37	0.72	9.48	Yes	
MRW-2	4/29/2007	627.00	630.85	610.00	605.00	15.74	0.56	16.30	12.01	614.99	0.62	10.11	Yes	
MRW-2	5/10/2007	627.00	630.85	610.00	605.00	15.86	0.36	16.22	12.09	614.91	-0.08	9.99	Yes	
MRW-2	11/21/2012	627.00	630.85	610.00	605.00	16.9	0.28	17.18	13.11	613.89	-1.02	8.95	Yes	
MRW-2	12/17/2012	627.00	630.85	610.00	605.00	17.11	0.29	17.40	13.32	613.68	-0.21	8.74	Yes	
Well connected to Barge Dock Skimmer system														
MRW-2	3/25/2013	627.00	630.85	610.00	605.00	18.2	0.28	18.48	14.41	612.59	1.09	7.65	Yes	
MRW-2	3/25/2013	627.00	630.85	610.00	605.00	15.87	0.29	16.16	12.08	614.92	2.33	9.98	Yes	
MRW-2	4/24/2014	627.00	630.85	610.00	605.00	15.95	0.28	16.23	12.16	614.84	-0.08	9.90	Yes	
MRW-2	5/5/2014	627.00	630.85	610.00	605.00	13.31	0.17	13.48	9.50	617.50	2.66	12.54	Yes	
MRW-2	7/14/2014	627.00	630.85	610.00	605.00	13.43	0.21	13.64	9.63	617.37	-0.13	12.42	Yes	
MRW-2	7/18/2014	627.00	630.85	610.00	605.00	13.86	0.03	13.89	10.02	616.98	-0.39	11.99	Yes	
MRW-2	7/23/2014	627.00	630.85	610.00	605.00	14.03	0.25	14.28	10.23	616.77	-0.22	11.82	Yes	
MRW-2	9/4/2014	627.00	630.85	610.00	605.00	12.46	0.27	12.73	8.67	618.33	1.57	13.39	Yes	Bailed 1 Cup
MRW-2	2/19/2015	627.00	630.85	610.00	605.00	16.11	0.64	16.75	12.40	614.60	-3.73	9.74	Yes	
MRW-2	4/13/2015	627.00	630.85	610.00	605.00	16.74	0.32	17.06	12.96	614.04	-0.56	9.11	Yes	Bailed <0.25 gallons
MRW-2	4/17/2015	627.00	630.85	610.00	605.00	16.42	0.32	16.74	12.64	614.36	0.32	9.43	Yes	Bailed <0.25 gallons
MRW-2	4/22/2015	627.00	630.85	610.00	605.00	16.05	0.30	16.35	12.26	614.74	0.37	9.80	Yes	Bailed <0.25 gallons
MRW-2	4/28/2015	627.00	630.85	610.00	605.00	15.78	0.21	15.99	11.98	615.02	0.29	10.07	Yes	Bailed <0.25 gallons

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-2	5/5/2015	Pulled and removed pumps - system shut down - moved to bailing wells												
MRW-2	5/9/2015	627.00	630.85	610.00	605.00	15.69	0.15	15.84	11.87	615.13	0.10	10.16	Yes	Bailed <0.25 gallons
MRW-2	5/12/2015	627.00	630.85	610.00	605.00	15.26	0.19	15.45	11.45	615.55	0.42	10.59	Yes	Bailed <0.25 gallons (trace)
MRW-2	5/15/2015	627.00	630.85	610.00	605.00	14.61	0.19	14.80	10.80	616.20	0.65	11.24	Yes	Bailed a trace amount of LNAPL
MRW-2	5/22/2015	627.00	630.85	610.00	605.00	14.15	0.22	14.37	10.35	616.65	0.45	11.70	Yes	Bailed a trace amount of LNAPL
MRW-2	5/28/2015	627.00	630.85	610.00	605.00	13.9	0.21	14.11	10.10	616.90	0.25	11.95	Yes	
MRW-2	6/5/2015	627.00	630.85	610.00	605.00	14.2	0.21	14.41	10.40	616.60	-0.30	11.65	Yes	No LNAPL bailed
MRW-2	6/9/2015	627.00	630.85	610.00	605.00	14.02	0.19	14.21	10.21	616.79	0.18	11.83	Yes	
MRW-2	6/13/2015	627.00	630.85	610.00	605.00	14.44	0.17	14.61	10.63	616.37	-0.42	11.41	Yes	
MRW-2	6/19/2015	627.00	630.85	610.00	605.00	14.77	0.18	14.95	10.96	616.04	-0.33	11.08	Yes	
MRW-2	6/25/2015	627.00	630.85	610.00	605.00	14.74	0.18	14.92	10.93	616.07	0.03	11.11	Yes	
MRW-2	7/2/2015	627.00	630.85	610.00	605.00	14.94	0.16	15.10	11.12	615.88	-0.20	10.91	Yes	
MRW-2	7/7/2015	627.00	630.85	610.00	605.00	14.72	0.16	14.88	10.90	616.10	0.22	11.13	Yes	
MRW-2	7/13/2015	627.00	630.85	610.00	605.00	14.53	0.15	14.68	10.71	616.29	0.19	11.32	Yes	
MRW-2	7/21/2015	627.00	630.85	610.00	605.00	15.08	0.13	15.21	11.26	615.74	-0.55	10.77	Yes	
MRW-2	7/27/2015	627.00	630.85	610.00	605.00	15.4	0.11	15.51	11.57	615.43	-0.32	10.45	Yes	
MRW-2	7/31/2015	627.00	630.85	610.00	605.00	15.59	0.13	15.72	11.77	615.23	-0.19	10.26	Yes	
MRW-2	8/7/2015	627.00	630.85	610.00	605.00	15.62	0.12	15.74	11.80	615.20	-0.03	10.23	Yes	
MRW-2	8/14/2015	627.00	630.85	610.00	605.00	15.66	0.12	15.78	11.84	615.16	-0.04	10.19	Yes	
MRW-2	8/24/2015	627.00	630.85	610.00	605.00	15.19	0.12	15.31	11.37	615.63	0.47	10.66	Yes	
MRW-2	9/10/2015	627.00	630.85	610.00	605.00	14.88	0.12	15.00	11.06	615.94	0.31	10.97	Yes	
MRW-2	9/24/2015	627.00	630.85	610.00	605.00	14.33	0.12	14.45	10.51	616.49	0.55	11.52	Yes	
MRW-2	10/1/2015	627.00	630.85	610.00	605.00	14.14	0.11	14.25	10.31	616.69	0.19	11.71	Yes	
MRW-2	10/29/2015	627.00	630.85	610.00	605.00	14.51	0.13	14.64	10.69	616.31	0.37	11.34	Yes	
MRW-2	11/3/2015	627.00	630.85	610.00	605.00	14.36	0.14	14.50	10.54	616.46	0.15	11.49	Yes	
MRW-2	10/3/2016	627.00	630.85	610.00	605.00	14.09	0.10	14.19	10.26	616.74	0.28	11.76	Yes	
MRW-2	5/2/2017	627.00	630.85	610.00	605.00	12.37	0.09	12.46	8.54	618.46	1.72	13.48	Yes	
MRW-2	5/22/2017	627.00	630.85	610.00	605.00	10.98	0.09	11.07	7.15	619.85	1.39	14.87	Yes	
MRW-2	5/31/2017	627.00	630.85	610.00	605.00	11.08	0.08	11.16	7.25	619.75	-0.10	14.77	Yes	
MRW-2	8/8/2017	627.00	630.85	610.00	605.00	12.92	0.08	13.00	9.09	617.91	-1.84	12.93	Yes	
MRW-2	8/15/2017	627.00	630.85	610.00	605.00	12.16	0.09	12.25	8.33	618.67	0.76	13.69	Yes	
MRW-2	5/14/2018	627.00	630.85	610.00	605.00	14.5	0.06	14.56	10.66	616.34	-2.33	11.35	Yes	
MRW-2	5/28/2019	627.00	630.85	610.00	605.00	11.53	0.11	11.64	7.70	619.30	2.96	14.32	Yes	
MRW-2	10/8/2019	627.00	630.85	610.00	605.00	12.51	0.08	12.59	8.68	618.32	-0.97	13.34	Yes	
MRW-2	5/26/2020	627.00	630.85	610.00	605.00	12.77	0.07	12.84	8.94	618.06	-0.26	13.08	Yes	
MRW-2	5/24/2021	627.00	630.85	610.00	605.00	13.58	0.08	13.66	9.75	617.25	-0.81	12.27	Yes	
MRW-3	2/19/2003	625.70	632.11	610.70	605.70	17.61	0.94	18.55	12.14	613.56	NA	8.80	Yes	
MRW-3	3/13/2003	625.70	632.11	610.70	605.70	17.93	0.73	18.66	12.25	613.45	-0.11	8.48	Yes	
MRW-3	4/9/2003	625.70	632.11	610.70	605.70	17.57	1.12	18.69	12.28	613.42	-0.03	8.84	Yes	
MRW-3	4/18/2003	625.70	632.11	610.70	605.70	17.52	1.13	18.65	12.24	613.46	0.04	8.89	Yes	
MRW-3	4/25/2003	625.70	632.11	610.70	605.70	17.35	2.97	20.32	13.91	611.79	-1.67	9.06	Yes	
MRW-3	5/15/2003	625.70	632.11	610.70	605.70	16.23	2.87	19.10	12.69	613.01	1.22	10.18	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-3	6/10/2003	625.70	632.11	610.70	605.70	16.58	0.37	16.95	10.54	615.16	2.15	9.83	Yes	
MRW-3	7/2/2003	625.70	632.11	610.70	605.70	14.67	6.30	20.97	14.56	611.14	-4.02	11.74	Yes	
MRW-3	7/7/2003	625.70	632.11	610.70	605.70	15.82	5.09	20.91	14.50	611.20	0.06	10.59	Yes	
MRW-3	7/30/2003	625.70	632.11	610.70	605.70	16	1.25	17.25	10.84	614.86	3.66	10.41	Yes	
MRW-3	8/12/2003	625.70	632.11	610.70	605.70	16.77	0.07	16.84	10.43	615.27	0.41	9.64	Yes	
MRW-3	9/8/2003	625.70	632.11	610.70	605.70	17.24	1.00	18.24	11.83	613.87	-1.40	9.17	Yes	
MRW-3	10/2/2003	625.70	632.11	610.70	605.70	16.9	2.75	19.65	13.24	612.46	-1.41	9.51	Yes	
MRW-3	10/20/2003	625.70	632.11	610.70	605.70	16.42	4.72	21.14	14.73	610.97	-1.49	9.99	Yes	
MRW-3	12/3/2003	625.70	632.11	610.70	605.70	17.66	0.64	18.30	11.89	613.81	2.84	8.75	Yes	
MRW-3	1/8/2004	625.70	632.11	610.70	605.70	17.51	2.82	20.33	13.92	611.78	-2.03	8.90	Yes	
MRW-3	1/20/2004	625.70	632.11	610.70	605.70	17.54	3.46	21.00	14.59	611.11	-0.67	8.87	Yes	
MRW-3	2/24/2004	625.70	632.11	610.70	605.70	18.44	1.26	19.70	13.29	612.41	1.30	7.97	Yes	
MRW-3	3/22/2004	625.70	632.11	610.70	605.70	17.44	3.72	21.16	14.75	610.95	-1.46	8.97	Yes	
MRW-3	4/19/2004	625.70	632.11	610.70	605.70	15.88	5.41	21.29	14.88	610.82	-0.13	10.53	Yes	
MRW-3	5/18/2004	625.70	632.11	610.70	605.70	15.98	4.62	20.60	14.19	611.51	0.69	10.43	Yes	
MRW-3	6/17/2004	625.70	632.11	610.70	605.70	14.38	6.09	20.47	14.06	611.64	0.13	12.03	Yes	
MRW-3	6/28/2004	625.70	632.11	610.70	605.70	16	1.10	17.10	10.69	615.01	3.37	10.41	Yes	
MRW-3	7/27/2004	625.70	632.11	610.70	605.70	16.76	0.07	16.83	10.42	615.28	0.27	9.65	Yes	
MRW-3	8/24/2004	625.70	632.11	610.70	605.70	15.41	5.44	20.85	14.44	611.26	-4.02	11.00	Yes	
MRW-3	9/8/2004	625.70	632.11	610.70	605.70	16.41	0.04	16.45	10.04	615.66	4.40	10.00	Yes	
MRW-3	9/9/2004	625.70	632.11	610.70	605.70	16.18	0.41	16.59	10.18	615.52	-0.14	10.23	Yes	
MRW-3	9/28/2004	625.70	632.11	610.70	605.70	15.24	1.27	16.51	10.10	615.60	0.08	11.17	Yes	
MRW-3	10/20/2004	625.70	632.11	610.70	605.70	15.87	0.06	15.93	9.52	616.18	0.58	10.54	Yes	
MRW-3	11/23/2004	625.70	632.11	610.70	605.70	13.83	6.47	20.30	13.89	611.81	-4.37	12.58	Yes	
MRW-3	1/5/2005	625.70	632.11	610.70	605.70	16.1	1.16	17.26	10.85	614.85	3.04	10.31	Yes	
MRW-3	2/26/2005	625.70	632.11	610.70	605.70	17.1	0.30	17.40	10.99	614.71	-0.14	9.31	Yes	
MRW-3	3/29/2005	625.70	632.11	610.70	605.70	NP	0.00	NP						
MRW-3	4/29/2005	625.70	632.11	610.70	605.70	15.05	0.74	15.79	9.38	616.32	1.61	11.36	Yes	
MRW-3	5/31/2005	625.70	632.11	610.70	605.70	14.2	1.50	15.70	9.29	616.41	0.09	12.21	Yes	
MRW-3	6/28/2005	625.70	632.11	610.70	605.70	13.78	0.94	14.72	8.31	617.39	0.98	12.63	Yes	
MRW-3	7/28/2005	625.70	632.11	610.70	605.70	14.67	2.85	17.52	11.11	614.59	-2.80	11.74	Yes	
MRW-3	8/11/2005	625.70	632.11	610.70	605.70	14.96	5.02	19.98	13.57	612.13	-2.46	11.45	Yes	
MRW-3	9/1/2005	625.70	632.11	610.70	605.70	16.37	0.56	16.93	10.52	615.18	3.05	10.04	Yes	
MRW-3	9/16/2005	625.70	632.11	610.70	605.70	15.6	3.64	19.24	12.83	612.87	-2.31	10.81	Yes	
MRW-3	10/6/2005	625.70	632.11	610.70	605.70	13.34	7.19	20.53	14.12	611.58	-1.29	13.07	Yes	
MRW-3	10/24/2005	625.70	632.11	610.70	605.70	13.2	7.54	20.74	14.33	611.37	-0.21	13.21	Yes	
MRW-3	11/23/2005	625.70	632.11	610.70	605.70	12.38	8.42	20.80	14.39	611.31	-0.06	14.03	Yes	
MRW-3	12/14/2005	625.70	632.11	610.70	605.70	12.43	8.50	20.93	14.52	611.18	-0.13	13.98	Yes	
MRW-3	1/5/2006	625.70	632.11	610.70	605.70	13.96		-						
MRW-3	1/19/2006	625.70	632.11	610.70	605.70	14	7.15	21.15	14.74	610.96	-0.22	12.41	Yes	
MRW-3	1/30/2006	625.70	632.11	610.70	605.70	13.95	7.18	21.13	14.72	610.98	0.02	12.46	Yes	
MRW-3	2/3/2006	625.70	632.11	610.70	605.70	14.95	4.14	19.09	12.68	613.02	2.04	11.46	Yes	
MRW-3	2/9/2006	625.70	632.11	610.70	605.70	15.44	1.88	17.32	10.91	614.79	1.77	10.97	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-3	2/16/2006	625.70	632.11	610.70	605.70	15.85	1.30	17.15	10.74	614.96	0.17	10.56	Yes	
MRW-3	2/28/2006	625.70	632.11	610.70	605.70	16.15	0.67	16.82	10.41	615.29	0.33	10.26	Yes	
MRW-3	3/16/2006	625.70	632.11	610.70	605.70	16.2	0.58	16.78	10.37	615.33	0.04	10.21	Yes	
MRW-3	3/27/2006	625.70	632.11	610.70	605.70	15.33	1.47	16.80	10.39	615.31	-0.02	11.08	Yes	
MRW-3	4/14/2006	625.70	632.11	610.70	605.70	14.47	1.44	15.91	9.50	616.20	0.89	11.94	Yes	
MRW-3	5/6/2006	625.70	632.11	610.70	605.70	14.48	0.67	15.15	8.74	616.96	0.76	11.93	Yes	
MRW-3	6/1/2006	625.70	632.11	610.70	605.70	13.65	1.55	15.20	8.79	616.91	-0.05	12.76	Yes	
MRW-3	6/29/2006	625.70	632.11	610.70	605.70	14.68	2.92	17.60	11.19	614.51	-2.40	11.73	Yes	
MRW-3	7/17/2006	625.70	632.11	610.70	605.70	15.66	1.56	17.22	10.81	614.89	0.38	10.75	Yes	
MRW-3	8/24/2006	625.70	632.11	610.70	605.70	16.37	0.61	16.98	10.57	615.13	0.24	10.04	Yes	
MRW-3	9/1/2006	625.70	632.11	610.70	605.70	16.37	0.56	16.93	10.52	615.18	0.05	10.04	Yes	
MRW-3	9/14/2006	625.70	632.11	610.70	605.70	16.92	0.48	17.40	10.99	614.71	-0.47	9.49	Yes	
MRW-3	9/16/2006	625.70	632.11	610.70	605.70	15.6	3.64	19.24	12.83	612.87	-1.84	10.81	Yes	
MRW-3	9/28/2006	625.70	632.11	610.70	605.70	16.55	1.07	17.62	11.21	614.49	1.62	9.86	Yes	
MRW-3	11/2/2006	625.70	632.11	610.70	605.70	16.9	0.08	16.98	10.57	615.13	0.64	9.51	Yes	
MRW-3	11/21/2006	625.70	632.11	610.70	605.70	16.62	2.20	18.82	12.41	613.29	-1.84	9.79	Yes	
MRW-3	12/14/2006	625.70	632.11	610.70	605.70	16.29	3.16	19.45	13.04	612.66	-0.63	10.12	Yes	
MRW-3	12/28/2006	625.70	632.11	610.70	605.70	16.47		-						
MRW-3	1/4/2007	625.70	632.11	610.70	605.70	16.53	0.85	17.38	10.97	614.73	2.07	9.88	Yes	
MRW-3	1/18/2007	625.70	632.11	610.70	605.70	16.31	1.31	17.62	11.21	614.49	-0.24	10.10	Yes	
MRW-3	2/1/2007	625.70	632.11	610.70	605.70	16.55	1.27	17.82	11.41	614.29	-0.20	9.86	Yes	
MRW-3	2/22/2007	625.70	632.11	610.70	605.70	17.52	3.31	20.83	14.42	611.28	-3.01	8.89	Yes	
MRW-3	3/15/2007	625.70	632.11	610.70	605.70	17.32	1.24	18.56	12.15	613.55	2.27	9.09	Yes	Currently running on barge system
MRW-3	3/29/2007	625.70	632.11	610.70	605.70	16.63	2.98	19.61	13.20	612.50	-1.05	9.78	Yes	
MRW-3	4/13/2007	625.70	632.11	610.70	605.70	15.41	5.33	20.74	14.33	611.37	-1.13	11.00	Yes	
MRW-3	4/29/2007	625.70	632.11	610.70	605.70	15.19	3.93	19.12	12.71	612.99	1.62	11.22	Yes	
MRW-3	5/10/2007	625.70	632.11	610.70	605.70	15.58	2.34	17.92	11.51	614.19	1.20	10.83	Yes	
MRW-3	12/17/2012	625.70	632.11	610.70	605.70	17.5	0.17	17.67	11.26	614.44	0.25	8.91	Yes	
II connected to Barge Dock Skimmer system														
MRW-3	3/25/2013	625.70	632.11	610.70	605.70	18.55	0.05	18.60	12.15	613.55	-0.89	7.86	Yes	
MRW-3	5/5/2013	625.70	632.11	610.70	605.70	15.8	0.89	16.69	9.58	616.12	2.57	10.61	Yes	
MRW-3	5/31/2013	625.70	632.11	610.70	605.70	14.52	2.20	16.72	8.58	617.12	1.00	11.89	Yes	
MRW-3	6/27/2013	625.70	632.11	610.70	605.70	12.87	4.61	17.48	7.45	618.25	1.13	13.54	Yes	
MRW-3	7/29/2013	625.70	632.11	610.70	605.70	14.76	4.29	19.05	9.27	616.43	-1.82	11.65	Yes	
MRW-3	8/29/2013	625.70	632.11	610.70	605.70	15.1	4.48	19.58	9.65	616.05	-0.38	11.31	Yes	
MRW-3	9/27/2013	625.70	632.11	610.70	605.70	15.9	3.85	19.75	10.32	615.38	-0.66	10.51	Yes	
MRW-3	11/1/2013	625.70	632.11	610.70	605.70	15.74	1.34	17.08	9.62	616.08	0.70	10.67	Yes	
MRW-3	12/31/2013	625.70	632.11	610.70	605.70	16.52	3.50	20.02	10.86	614.84	-1.24	9.89	Yes	
MRW-3	1/10/2014	625.70	632.11	610.70	605.70	16.5	3.41	19.91	10.82	614.88	0.04	9.91	Yes	
MRW-3	2/5/2014	625.70	632.11	610.70	605.70	17.88	1.33	19.21	11.76	613.94	-0.93	8.53	Yes	
MRW-3	2/23/2014	625.70	632.11	610.70	605.70	17.82	1.30	19.12	11.69	614.01	0.07	8.59	Yes	
MRW-3	3/11/2014	625.70	632.11	610.70	605.70	17.71	1.41	19.12	11.60	614.10	0.09	8.70	Yes	
MRW-3	3/26/2014	625.70	632.11	610.70	605.70	16.91	1.49	18.40	10.82	614.88	0.78	9.50	Yes	

Table 4
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-3	3/31/2014	625.70	632.11	610.70	605.70	16.56	2.59	19.15	10.71	614.99	0.11	9.85	Yes	
MRW-3	4/18/2014	625.70	632.11	610.70	605.70	14.02	5.26	19.28	8.74	616.96	1.97	12.39	Yes	
MRW-3	5/5/2014	625.70	632.11	610.70	605.70	12.18	6.04	18.22	7.07	618.63	1.67	14.23	Yes	
MRW-3	5/20/2014	625.70	632.11	610.70	605.70	10.98	7.58	18.56	6.20	619.50	0.87	15.43	Yes	
MRW-3	6/5/2014	625.70	632.11	610.70	605.70	11.4	5.94	17.34	6.27	619.43	-0.07	15.01	Yes	
MRW-3	6/17/2014	625.70	632.11	610.70	605.70	11.49	5.58	17.07	6.28	619.42	-0.01	14.92	Yes	
MRW-3	6/26/2014	625.70	632.11	610.70	605.70	12.26	4.98	17.24	6.92	618.78	-0.64	14.15	Yes	
MRW-3	7/12/2014	625.70	632.11	610.70	605.70	13.32	2.07	15.39	7.35	618.35	-0.43	13.09	Yes	
MRW-3	7/14/2014	625.70	632.11	610.70	605.70	13.29	2.30	15.59	7.37	618.33	-0.02	13.12	Yes	
MRW-3	7/18/2014	625.70	632.11	610.70	605.70	14.05	0.20	14.25	7.68	618.02	-0.31	12.36	Yes	
MRW-3	7/23/2014	625.70	632.11	610.70	605.70	14.49	0.08	14.57	8.10	617.60	-0.41	11.92	Yes	
MRW-3	7/30/2014	625.70	632.11	610.70	605.70	14.81	0.04	14.85	8.41	617.29	-0.31	11.60	Yes	
MRW-3	8/2/2014	625.70	632.11	610.70	605.70	14.86	0.36	15.22	8.53	617.17	-0.12	11.55	Yes	
MRW-3	8/7/2014	625.70	632.11	610.70	605.70	15.1	0.21	15.31	8.74	616.96	-0.21	11.31	Yes	
MRW-3	8/14/2014	625.70	632.11	610.70	605.70	15.2	0.41	15.61	8.88	616.82	-0.14	11.21	Yes	
MRW-3	8/22/2014	625.70	632.11	610.70	605.70	13.38	2.27	15.65	7.46	618.24	1.42	13.03	Yes	
MRW-3	8/27/2014	625.70	632.11	610.70	605.70	12.86	1.16	14.02	6.70	619.00	0.76	13.55	Yes	
MRW-3	9/1/2014	625.70	632.11	610.70	605.70	12.8	0.79	13.59	6.56	619.14	0.14	13.61	Yes	
MRW-3	9/4/2014	625.70	632.11	610.70	605.70	12.67	0.74	13.41	6.42	619.28	0.14	13.74	Yes	
MRW-3	9/11/2014	625.70	632.11	610.70	605.70	13.51	0.02	13.53	7.10	618.60	-0.69	12.90	Yes	
MRW-3	9/18/2014	625.70	632.11	610.70	605.70	NP	0.00	13.89	7.48	618.22	-0.38	12.52	Yes	
MRW-3	9/25/2014	625.70	632.11	610.70	605.70	NP	0.00	14.06	7.65	618.05	-0.17	12.35	Yes	
MRW-3	10/2/2014	625.70	632.11	610.70	605.70	13.93	0.46	14.39	7.62	618.08	0.03	12.48	Yes	
MRW-3	10/9/2014	625.70	632.11	610.70	605.70	14	0.29	14.29	7.65	618.05	-0.03	12.41	Yes	
MRW-3	10/16/2014	625.70	632.11	610.70	605.70	14.03	0.26	14.29	7.68	618.02	-0.02	12.38	Yes	
MRW-3	10/23/2014	625.70	632.11	610.70	605.70	NP	0.00	14.54	8.13	617.57	-0.45	11.87	Yes	
MRW-3	10/31/2014	625.70	632.11	610.70	605.70	14.97	0.14	15.11	8.59	617.11	-0.46	11.44	Yes	
MRW-3	11/6/2014	625.70	632.11	610.70	605.70	14.98	0.30	15.28	8.63	617.07	-0.04	11.43	Yes	
MRW-3	11/13/2014	625.70	632.11	610.70	605.70	15.29	0.10	15.39	8.90	616.80	-0.27	11.12	Yes	
MRW-3	11/25/2014	625.70	632.11	610.70	605.70	15.72	0.03	15.75	9.32	616.38	-0.41	10.69	Yes	
MRW-3	12/4/2014	625.70	632.11	610.70	605.70	NP	0.00	15.83	9.42	616.28	-0.10	10.58	Yes	
MRW-3	12/15/2014	625.70	632.11	610.70	605.70	15.82	0.24	16.06	9.46	616.24	-0.04	10.59	Yes	
MRW-3	12/28/2014	625.70	632.11	610.70	605.70	15.08	0.93	16.01	8.87	616.83	0.59	11.33	Yes	
MRW-3	1/10/2015	625.70	632.11	610.70	605.70	15.61	0.60	16.21	9.33	616.37	-0.46	10.80	Yes	
MRW-3	1/24/2015	625.70	632.11	610.70	605.70	16.09	0.12	16.21	9.71	615.99	-0.38	10.32	Yes	
MRW-3	2/3/2015	625.70	632.11	610.70	605.70	16.47	0.05	16.52	10.07	615.63	-0.36	9.94	Yes	
MRW-3	2/12/2015	625.70	632.11	610.70	605.70	16.79	0.05	16.84	10.39	615.31	-0.32	9.62	Yes	
MRW-3	2/19/2015	625.70	632.11	610.70	605.70	16.75	0.36	17.11	10.42	615.28	-0.03	9.66	Yes	
MRW-3	2/24/2015	625.70	632.11	610.70	605.70	16.09	2.99	19.08	10.32	615.38	0.09	10.32	Yes	
MRW-3	3/14/2015	625.70	632.11	610.70	605.70	16.4	2.66	19.06	10.56	615.14	-0.24	10.01	Yes	
MRW-3	3/23/2015	625.70	632.11	610.70	605.70	16.43	2.79	19.22	10.62	615.08	-0.06	9.98	Yes	
MRW-3	4/3/2015	625.70	632.11	610.70	605.70	16.75	2.30	19.05	10.83	614.87	-0.21	9.66	Yes	
MRW-3	4/13/2015	625.70	632.11	610.70	605.70	16.49	2.54	19.03	10.63	615.07	0.21	9.92	Yes	Bailed 5 gallons

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-3	4/17/2015	625.70	632.11	610.70	605.70	16.45	2.59	19.04	10.60	615.10	0.03	9.96	Yes	
MRW-3	4/20/2015	625.70	632.11	610.70	605.70	15.44	3.60	19.04	9.80	615.90	0.79	10.97	Yes	Bailed 4 gallons
MRW-3	4/22/2015	625.70	632.11	610.70	605.70	15.68	3.21	18.89	9.96	615.74	-0.16	10.73	Yes	Bailed 6 gallons
MRW-3	4/24/2015	625.70	632.11	610.70	605.70	15.34	3.68	19.02	9.72	615.98	0.24	11.07	Yes	Bailed 7.5 gallons
MRW-3	4/28/2015	625.70	632.11	610.70	605.70	15.29	3.13	18.42	9.55	616.15	0.17	11.12	Yes	Bailed 8 gallons
MRW-3	4/29/2015	625.70	632.11	610.70	605.70	15.57	2.79	18.36	9.76	615.94	-0.21	10.84	Yes	Bailed 8 gallons
MRW-3	5/9/2015	625.70	632.11	610.70	605.70	17.42	0.66	18.08	11.15	614.55	-1.39	8.99	Yes	Bailed 4.5 gallons
MRW-3	5/12/2015	625.70	632.11	610.70	605.70	14.42	3.78	18.20	8.82	616.88	2.33	11.99	Yes	Bailed 6.5 gallons
MRW-3	5/15/2015	625.70	632.11	610.70	605.70	13.98	3.22	17.20	8.26	617.44	0.56	12.43	Yes	Bailed 9.1 gallons
MRW-3	5/22/2015	625.70	632.11	610.70	605.70	13.18	4.62	17.80	7.76	617.94	0.50	13.23	Yes	Bailed 7 gallons
MRW-3	5/28/2015	625.70	632.11	610.70	605.70	12.78	5.31	18.09	7.51	618.19	0.25	13.63	Yes	Bailed 9 gallons
MRW-3	6/5/2015	625.70	632.11	610.70	605.70	13.04	5.56	18.60	7.82	617.88	-0.31	13.37	Yes	Bailed 7 gallons
MRW-3	6/9/2015	625.70	632.11	610.70	605.70	13.06	4.93	17.99	7.71	617.99	0.12	13.35	Yes	
MRW-3	6/13/2015	625.70	632.11	610.70	605.70	13.86	3.44	17.30	8.19	617.51	-0.48	12.55	Yes	
MRW-3	6/19/2015	625.70	632.11	610.70	605.70	13.96	4.79	18.75	8.58	617.12	-0.39	12.45	Yes	
MRW-3	6/25/2015	625.70	632.11	610.70	605.70	13.81	5.08	18.89	8.49	617.21	0.09	12.60	Yes	
MRW-3	7/2/2015	625.70	632.11	610.70	605.70	14.18	4.89	19.07	8.82	616.88	-0.33	12.23	Yes	
MRW-3	7/7/2015	625.70	632.11	610.70	605.70	13.85	5.06	18.91	8.53	617.17	0.29	12.56	Yes	
MRW-3	7/13/2015	625.70	632.11	610.70	605.70	13.66	5.97	19.63	8.53	617.17	-0.01	12.75	Yes	
MRW-3	7/21/2015	625.70	632.11	610.70	605.70	14.35	4.75	19.10	8.96	616.74	-0.43	12.06	Yes	
MRW-3	7/27/2015	625.70	632.11	610.70	605.70	14.97	3.47	18.44	9.31	616.39	-0.34	11.44	Yes	
MRW-3	7/31/2015	625.70	632.11	610.70	605.70	15.26	3.66	18.92	9.64	616.06	-0.33	11.15	Yes	
MRW-3	8/7/2015	625.70	632.11	610.70	605.70	15.08	4.07	19.15	9.54	616.16	0.09	11.33	Yes	
MRW-3	8/14/2015	625.70	632.11	610.70	605.70	15.04	4.27	19.31	9.55	616.15	0.00	11.37	Yes	
MRW-3	8/24/2015	625.70	632.11	610.70	605.70	14.34	5.02	19.36	9.01	616.69	0.54	12.07	Yes	
MRW-3	9/10/2015	625.70	632.11	610.70	605.70	13.87	5.61	19.48	8.67	617.03	0.34	12.54	Yes	
MRW-3	9/24/2015	625.70	632.11	610.70	605.70	13.02	6.29	19.31	7.96	617.74	0.70	13.39	Yes	
MRW-3	10/1/2015	625.70	632.11	610.70	605.70	12.81	6.51	19.32	7.80	617.90	0.16	13.60	Yes	
MRW-3	10/29/2015	625.70	632.11	610.70	605.70	13.16	6.40	19.56	8.13	617.57	0.54	13.25	Yes	
MRW-3	11/3/2015	625.70	632.11	610.70	605.70	13.18	5.98	19.16	8.05	617.65	0.07	13.23	Yes	
MRW-3	10/3/2016	625.70	632.11	610.70	605.70	12.78	7.24	20.02	7.93	617.77	0.13	13.63	Yes	
MRW-3	5/2/2017	625.70	632.11	610.70	605.70	10.67	9.34	20.01	6.27	619.43	1.66	15.74	Yes	
MRW-3	5/8/2017	625.70	632.11	610.70	605.70	11.49	5.91	17.40	6.35	619.35	-0.08	14.92	Yes	
MRW-3	5/18/2017	625.70	632.11	610.70	605.70	10.67	8.59	19.26	6.11	619.59	0.24	15.74	Yes	
MRW-3	5/22/2017	625.70	632.11	610.70	605.70	9.96	6.49	16.45	4.94	620.76	1.16	16.45	Yes	
MRW-3	5/25/2017	625.70	632.11	610.70	605.70	10.36	4.64	15.00	4.95	620.75	0.00	16.05	Yes	
MRW-3	5/31/2017	625.70	632.11	610.70	605.70	9.86	7.26	17.12	5.01	620.69	-0.06	16.55	Yes	
MRW-3	6/21/2017	625.70	632.11	610.70	605.70	11.28	8.49	19.77	6.69	619.01	-1.68	15.13	Yes	
MRW-3	6/22/2017	625.70	632.11	610.70	605.70	12.18	4.27	16.45	6.69	619.01	0.01	14.23	Yes	
MRW-3	6/29/2017	625.70	632.11	610.70	605.70	11.76	6.98	18.74	6.85	618.85	-0.16	14.65	Yes	
MRW-3	7/7/2017	625.70	632.11	610.70	605.70	11.13	7.26	18.39	6.28	619.42	0.57	15.28	Yes	
MRW-3	7/12/2017	625.70	632.11	610.70	605.70	11.52	5.26	16.78	6.24	619.46	0.04	14.89	Yes	
MRW-3	7/19/2017	625.70	632.11	610.70	605.70	10.97	7.35	18.32	6.14	619.56	0.10	15.44	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-3	7/26/2017	625.70	632.11	610.70	605.70	11.35	6.69	18.04	6.38	619.32	-0.24	15.06	Yes	
MRW-3	7/27/2017	625.70	632.11	610.70	605.70	12.53	2.35	14.88	6.62	619.08	-0.25	13.88	Yes	
MRW-3	8/4/2017	625.70	632.11	610.70	605.70	11.68	6.83	18.51	6.74	618.96	-0.11	14.73	Yes	
MRW-3	8/8/2017	625.70	632.11	610.70	605.70	12.44	3.81	16.25	6.85	618.85	-0.11	13.97	Yes	
MRW-3	8/15/2017	625.70	632.11	610.70	605.70	11.06	6.62	17.68	6.07	619.63	0.78	15.35	Yes	
MRW-3	8/22/2017	625.70	632.11	610.70	605.70	10.84	6.37	17.21	5.80	619.90	0.27	15.57	Yes	
MRW-3							Connected to portable skimming system							
MRW-3	8/30/2017	625.70	632.11	610.70	605.70	11.19	2.36	13.55	5.29	620.41	0.51	15.22	Yes	
MRW-3	9/7/2017	625.70	632.11	610.70	605.70	12.83	0.10	12.93	6.44	619.26	-1.15	13.58	Yes	Portable system restarted
MRW-3	9/14/2017	625.70	632.11	610.70	605.70	15.02	0.07	15.09	8.63	617.07	-2.18	11.39	Yes	
MRW-3	9/19/2017	625.70	632.11	610.70	605.70	12.7	1.22	13.92	6.55	619.15	2.07	13.71	Yes	
MRW-3	9/27/2017	625.70	632.11	610.70	605.70	15.06	0.14	15.20	8.68	617.02	-2.13	11.35	Yes	
MRW-3	10/12/2017	625.70	632.11	610.70	605.70	11.42	0.35	11.77	5.09	620.61	3.59	14.99	Yes	
MRW-3	10/26/2017	625.70	632.11	610.70	605.70	12.02	0.04	12.06	5.62	620.08	-0.53	14.39	Yes	
MRW-3	5/14/2018	625.70	632.11	610.70	605.70	13.17	6.92	20.09	8.25	617.45	-2.63	13.24	Yes	System turned off 6/15-6/19
MRW-3	5/15/2018	625.70	632.11	610.70	605.70	13.97	4.05	18.02	8.43	617.27	-0.18	12.44	Yes	
MRW-3	5/23/2018	625.70	632.11	610.70	605.70	15.47	0.98	16.45	9.27	616.43	-0.84	10.94	Yes	
MRW-3	5/24/2018	625.70	632.11	610.70	605.70	15.26	0.69	15.95	9.00	616.70	0.27	11.15	Yes	
MRW-3	5/30/2018	625.70	632.11	610.70	605.70	14.49	1.26	15.75	8.35	617.35	0.65	11.92	Yes	
MRW-3	6/8/2018	625.70	632.11	610.70	605.70	13.99	0.47	14.46	7.68	618.02	0.67	12.42	Yes	
MRW-3	6/12/2018	625.70	632.11	610.70	605.70	14.2	0.23	14.43	7.84	617.86	-0.16	12.21	Yes	
MRW-3	6/15/2018	625.70	632.11	610.70	605.70	14.5	0.00	14.50	8.09	617.61	-0.25	11.91	Yes	
MRW-3	6/19/2018	625.70	632.11	610.70	605.70	12.1	3.39	15.49	6.42	619.28	1.67	14.31	Yes	
MRW-3	6/27/2018	625.70	632.11	610.70	605.70	13.35	0.85	14.20	7.12	618.58	-0.70	13.06	Yes	
MRW-3	6/28/2018	625.70	632.11	610.70	605.70	13.35	0.85	14.20	7.12	618.58	0.00	13.06	Yes	Pump removed from well
MRW-3	7/3/2018	625.70	632.11	610.70	605.70	13.56	0.08	13.64	7.17	618.53	-0.04	12.85	Yes	
MRW-3	7/10/2018	625.70	632.11	610.70	605.70	13.78	0.14	13.92	7.40	618.30	-0.23	12.63	Yes	
MRW-3	7/25/2018	625.70	632.11	610.70	605.70	14.6	0.75	15.35	8.35	617.35	-0.95	11.81	Yes	
MRW-3	8/8/2018	625.70	632.11	610.70	605.70	15.1	0.81	15.91	8.86	616.84	-0.51	11.31	Yes	Pump Installed in well
MRW-3	8/16/2018	625.70	632.11	610.70	605.70	15.68	0.15	15.83	9.30	616.40	-0.44	10.73	Yes	
MRW-3	8/28/2018	625.70	632.11	610.70	605.70	15.64	0.57	16.21	9.35	616.35	-0.05	10.77	Yes	
MRW-3	9/4/2018	625.70	632.11	610.70	605.70	15.3	0.64	15.94	9.03	616.67	0.32	11.11	Yes	System shut off 6/4/2019
MRW-3	10/2/2018	625.70	632.11	610.70	605.70	13.6	6.02	19.62	8.48	617.22	0.54	12.81	Yes	Pump taken out of well
MRW-3	10/16/2018	625.70	632.11	610.70	605.70	11.82	7.45	19.27	7.01	618.69	1.47	14.59	Yes	
MRW-3	5/2/2019	625.70	632.11	610.70	605.70	11.68	8.28	19.96	7.05	618.65	-0.04	14.73	Yes	
MRW-3	5/7/2019	625.70	632.11	610.70	605.70	17.28	0.70	17.98	11.02	614.68	-3.97	9.13	Yes	
MRW-3	5/14/2019	625.70	632.11	610.70	605.70	11.85	6.05	17.90	6.74	618.96	4.28	14.56	Yes	
MRW-3	5/22/2019	625.70	632.11	610.70	605.70	12.12	1.66	13.78	6.07	619.63	0.67	14.29	Yes	
MRW-3	5/28/2019	625.70	632.11	610.70	605.70	12.12	0.15	12.27	5.74	619.96	0.32	14.29	Yes	
MRW-3	6/13/2019	625.70	632.11	610.70	605.70	10.68	7.55	18.23	5.89	619.81	-0.15	15.73	Yes	
MRW-3	6/24/2019	625.70	632.11	610.70	605.70	11.38	7.59	18.97	6.60	619.10	-0.71	15.03	Yes	
MRW-3	7/3/2019	625.70	632.11	610.70	605.70	11.23	6.21	17.44	6.15	619.55	0.45	15.18	Yes	
MRW-3	7/25/2019	625.70	632.11	610.70	605.70	12.89	6.63	19.52	7.90	617.80	-1.75	13.52	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-3	8/5/2019	625.70	632.11	610.70	605.70	13.36	5.74	19.10	8.18	617.52	-0.28	13.05	Yes	
MRW-3	8/14/2019	625.70	632.11	610.70	605.70	13.89	5.21	19.10	8.60	617.10	-0.42	12.52	Yes	
MRW-3	8/28/2019	625.70	632.11	610.70	605.70	13.96	5.42	19.38	8.71	616.99	-0.53	12.45	Yes	
MRW-3	9/12/2019	625.70	632.11	610.70	605.70	13.48	5.88	19.36	8.33	617.37	0.38	12.93	Yes	
MRW-3	9/25/2019	625.70	632.11	610.70	605.70	12.61	6.76	19.37	7.65	618.05	0.68	13.80	Yes	
MRW-3	10/7/2019	625.70	632.11	610.70	605.70	11.29	7.69	18.98	6.53	619.17	1.12	15.12	Yes	
MRW-3	10/29/2019	625.70	632.11	610.70	605.70	10.92	8.48	19.40	6.33	619.37	0.20	15.49	Yes	
MRW-3	4/22/2020	625.70	632.11	610.70	605.70	9.93	10.01	19.94	5.67	620.03	0.66	16.48	Yes	
MRW-3	4/30/2020	625.70	632.11	610.70	605.70	9.98	9.06	19.04	5.52	620.18	0.15	16.43	Yes	
MRW-3	5/11/2020	625.70	632.11	610.70	605.70	10.31	8.75	19.06	5.78	619.92	-0.26	16.10	Yes	
MRW-3	5/20/2020	625.70	632.11	610.70	605.70	11.18	7.22	18.40	6.32	619.38	-0.54	15.23	Yes	
MRW-3	5/26/2020	625.70	632.11	610.70	605.70	11.40	8.28	19.68	6.77	618.93	-0.45	15.01	Yes	
MRW-3	5/28/2020	625.70	632.11	610.70	605.70	10.95	8.57	19.52	6.38	619.32	0.39	15.46	Yes	
MRW-3	6/22/2020	625.70	632.11	610.70	605.70	12.68	6.56	19.24	7.68	618.02	-1.30	13.73	Yes	
MRW-3	7/6/2020	625.70	632.11	610.70	605.70	13.21	6.63	19.84	8.22	617.48	-0.55	13.20	Yes	
MRW-3	7/20/2020	625.70	632.11	610.70	605.70	12.65	7.27	19.92	7.80	617.90	0.42	13.76	Yes	
MRW-3	7/28/2020	625.70	632.11	610.70	605.70	13.02	6.80	19.82	8.07	617.63	-0.27	13.39	Yes	
MRW-3	8/12/2020	625.70	632.11	610.70	605.70	12.33	7.32	19.65	7.49	618.21	0.58	14.08	Yes	
MRW-3	8/25/2020	625.70	632.11	610.70	605.70	14.02	3.12	17.14	8.28	617.42	-0.79	12.39	Yes	
MRW-3	9/8/2020	625.70	632.11	610.70	605.70	14.85	0.07	14.92	8.46	617.24	-0.17	11.56	Yes	
MRW-3	9/23/2020	625.70	632.11	610.70	605.70	14.95	1.01	15.96	8.76	616.94	-0.30	11.46	Yes	
MRW-3	10/7/2020	625.70	632.11	610.70	605.70	15.68	0.69	16.37	9.42	616.28	-0.66	10.73	Yes	
MRW-3	4/28/2021	625.70	632.11	610.70	605.70	12.20	7.91	20.11	7.49	618.21	1.93	14.21	Yes	
MRW-3	5/6/2021	625.70	632.11	610.70	605.70	14.21	0.18	14.39	7.84	617.86	-0.35	12.20	Yes	
MRW-3	5/13/2021	625.70	632.11	610.70	605.70	14.41	0.30	14.71	8.06	617.64	-0.23	12.00	Yes	
MRW-3	5/19/2021	625.70	632.11	610.70	605.70	14.73	0.04	14.77	8.33	617.37	-0.26	11.68	Yes	
MRW-3	5/24/2021	625.70	632.11	610.70	605.70	13.67	1.23	14.90	7.52	618.18	0.80	12.74	Yes	
MRW-3	5/28/2021	625.70	632.11	610.70	605.70	13.77	1.14	14.91	7.60	618.10	-0.08	12.64	Yes	
MRW-3	6/8/2021	625.70	632.11	610.70	605.70	14.64	0.12	14.76	8.26	617.44	-0.65	11.77	Yes	
MRW-3	6/22/2021	625.70	632.11	610.70	605.70	14.86	1.09	15.95	8.68	617.02	-0.43	11.55	Yes	
MRW-3	7/1/2021	625.70	632.11	610.70	605.70	14.55	0.83	15.38	8.32	617.38	0.37	11.86	Yes	
MRW-3	7/12/2021	625.70	632.11	610.70	605.70	15.11	1.17	16.28	8.95	616.75	-0.63	11.30	Yes	
MRW-3	7/27/2021	625.70	632.11	610.70	605.70	15.58	1.12	16.70	9.41	616.29	-0.46	10.83	Yes	
MRW-3	8/3/2021	625.70	632.11	610.70	605.70	15.83	0.27	16.10	9.48	616.22	-0.07	10.58	Yes	
MRW-3	8/10/2021	625.70	632.11	610.70	605.70	15.99	0.09	16.08	9.60	616.10	-0.12	10.42	Yes	
MRW-3	8/24/2021	625.70	632.11	610.70	605.70	16.17	1.31	17.48	10.04	615.66	-0.44	10.24	Yes	
MRW-3	9/14/2021	625.70	632.11	610.70	605.70	16.35	0.34	16.69	10.01	615.69	0.03	10.06	Yes	
MRW-3	9/28/2021	625.70	632.11	610.70	605.70	15.94	0.58	16.52	9.65	616.05	0.36	10.47	Yes	
MRW-3	10/5/2021	625.70	632.11	610.70	605.70	16.06	0.17	16.23	9.69	616.01	-0.03	10.35	Yes	
MRW-3	10/19/2021	625.70	632.11	610.70	605.70	15.98	0.16	16.14	9.60	616.10	0.08	10.43	Yes	
MRW-3	10/28/2021	625.70	632.11	610.70	605.70	16.16	0.11	16.27	9.77	615.93	-0.17	10.25	Yes	
MRW-4	10/11/2009	625.69	628.21	615.69	595.69	14.85	0.21	15.06	12.38	613.31	NA	17.67	No	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-4	4/28/2010	625.69	628.21	615.69	595.69	14.30	0.72	15.02	11.93	613.76	0.44	18.22	No	Spill Buddy Before Reading
MRW-4	10/25/2010	625.69	628.21	615.69	595.69	12.60	1.18	13.78	10.33	615.36	1.60	19.92	No	
MRW-4	4/25/2011	625.69	628.21	615.69	595.69	12.76	1.63	14.39	10.59	615.10	-0.26	19.76	No	
MRW-4	10/11/2011	625.69	628.21	615.69	595.69	14.18	2.00	16.18	12.09	613.60	-1.50	18.34	No	Spill Buddy Before Reading
MRW-4	1/4/2012	625.69	628.21	615.69	595.69	15.38	2.23	17.61	13.34	612.35	-1.25	17.14	No	
MRW-4	4/16/2012	625.69	628.21	615.69	595.69	14.84	2.38	17.22	12.83	612.86	0.51	17.68	No	Spill Buddy Before Reading
MRW-4	6/28/2012	625.69	628.21	615.69	595.69	10.37	3.53	13.90	8.61	617.08	4.22	22.15	Yes	
MRW-4	7/10/2012	625.69	628.21	615.69	595.69	11.94	2.76	14.70	10.01	615.68	-1.40	20.58	No	
MRW-4	7/24/2012	625.69	628.21	615.69	595.69	13.64	0.31	13.95	11.19	614.50	-1.17	18.88	No	
MRW-4	8/19/2012	625.69	628.21	615.69	595.69	14.24	0.38	14.62	11.80	613.89	-0.62	18.28	No	
MRW-4	8/28/2012	625.69	628.21	615.69	595.69	14.63	0.46	15.09	12.21	613.48	-0.41	17.89	No	
MRW-4	9/17/2012	625.69	628.21	615.69	595.69	15.31	0.18	15.49	12.83	612.86	-0.62	17.21	No	
MRW-4	9/28/2012	625.69	628.21	615.69	595.69	15.60	0.20	15.80	13.12	612.57	-0.29	16.92	No	
MRW-4	9/30/2012	625.69	628.21	615.69	595.69	15.62	0.08	15.70	13.12	612.57	0.01	16.90	No	
MRW-4	11/21/2012	625.69	628.21	615.69	595.69	15.90	0.21	16.11	13.43	612.26	-0.31	16.62	No	
MRW-4	12/17/2012	625.69	628.21	615.69	595.69	16.06	0.21	16.27	13.59	612.10	-0.16	16.46	No	
MRW-4	3/25/2013	625.69	628.21	615.69	595.69	17.11	0.37	17.48	14.67	611.02	-1.08	15.41	No	
MRW-4	5/5/2013	625.69	628.21	615.69	595.69	14.49	0.30	14.79	12.03	613.66	2.64	18.03	No	
MRW-4	4/15/2015	625.69	628.21	615.69	595.69	15.22	1.39	16.61	13.00	612.69	-0.96	17.30	No	
MRW-4	4/22/2015	625.69	628.21	615.69	595.69	14.77	0.41	15.18	12.34	613.35	0.66	17.75	No	
MRW-4	4/29/2015	625.69	628.21	615.69	595.69	14.58	0.32	14.90	12.13	613.56	0.21	17.94	No	
MRW-4	5/12/2015	625.69	628.21	615.69	595.69	13.95	0.35	14.30	11.51	614.18	0.62	18.57	No	
MRW-4	6/9/2015	625.69	628.21	615.69	595.69	12.87	0.43	13.30	10.44	615.25	1.06	19.65	No	
MRW-4	5/23/2016	625.69	628.21	615.69	595.69	11.19	1.20	12.39	8.93	616.76	1.51	21.33	Yes	
MRW-4	10/3/2016	625.69	628.21	615.69	595.69	12.90	1.02	13.92	10.60	615.09	-1.67	19.62	No	
MRW-4	5/18/2017	625.69	628.21	615.69	595.69	11.17	0.57	11.74	8.77	616.92	1.83	21.35	Yes	
MRW-4	5/31/2017	625.69	628.21	615.69	595.69	10.20	0.37	10.57	7.76	617.93	1.01	22.32	Yes	
MRW-4	8/8/2017	625.69	628.21	615.69	595.69	11.96	0.45	12.41	9.54	616.15	-1.78	20.56	Yes	
MRW-4	8/15/2017	625.69	628.21	615.69	595.69	11.20	0.50	11.70	8.79	616.90	0.75	21.32	Yes	
MRW-4	5/28/2019	625.69	628.21	615.69	595.69	10.23	1.81	12.04	8.10	617.59	0.69	22.29	Yes	
MRW-4	5/26/2020	625.69	628.21	615.69	595.69	11.63	0.78	12.41	9.28	616.41	-1.18	20.89	Yes	
MRW-4	5/24/2021	625.69	628.21	615.69	595.69	12.31	0.93	13.24	9.99	615.70	-0.71	20.21	Yes	
MRW-5	10/12/2011	625.10	627.88	610.12	595.12	12.51	6.57	19.08	16.30	608.80	NA	20.25	No	Reading after portable system removal
MRW-5	10/21/2011	625.10	627.88	610.12	595.12	12.70	6.52	19.22	16.44	608.66	-0.14	20.06	No	
MRW-5	10/27/2011	625.10	627.88	610.12	595.12	12.85	6.38	19.23	16.45	608.65	-0.01	19.91	No	
MRW-5	11/3/2011	625.10	627.88	610.12	595.12	13.15	6.14	19.29	16.51	608.59	-0.06	19.61	No	
MRW-5	11/9/2011	625.10	627.88	610.12	595.12	13.11	6.13	19.24	16.46	608.64	0.05	19.65	No	
MRW-5	11/17/2011	625.10	627.88	610.12	595.12	13.47	5.80	19.27	16.49	608.61	-0.03	19.29	No	Reading before install of well pumps for Barge system expansion.
MRW-5	11/29/2011	625.10	627.88	610.12	595.12	13.80	5.00	18.80	16.02	609.08	0.47	18.96	No	Connected to System
MRW-5	12/1/2011	625.10	627.88	610.12	595.12	14.13	7.63	21.76	18.98	606.12	-2.96	18.63	No	Connected to System
MRW-5	1/4/2012	625.10	627.88	610.12	595.12	14.37	4.93	19.30	16.52	608.58	2.46	18.39	No	Connected to System
MRW-5	2/16/2012	625.10	627.88	610.12	595.12	15.24	4.10	19.34	16.56	608.54	-0.04	17.52	No	
MRW-5	3/13/2012	625.10	627.88	610.12	595.12	15.09	4.26	19.35	16.57	608.53	-0.01	17.67	No	
MRW-5	4/16/2012	625.10	627.88	610.12	595.12	13.74	5.65	19.39	16.61	608.49	-0.04	19.02	No	

Table 4
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-5	6/19/2012	625.10	627.88	610.12	595.12	9.82	9.72	19.54	16.76	608.34	-0.15	22.94	No	
MRW-5	6/21/2012	625.10	627.88	610.12	595.12	10.70	0.65	11.35	8.57	616.53	8.19	22.06	Yes	
MRW-5	6/22/2012	625.10	627.88	610.12	595.12	8.40	10.53	18.93	16.15	608.95	-7.58	24.36	No	
MRW-5	6/28/2012	625.10	627.88	610.12	595.12	11.14	0.25	11.39	8.61	616.49	7.54	21.62	Yes	
MRW-5	12/17/2012	625.10	627.88	610.12	595.12	15.25	3.90	19.15	16.37	608.73	-7.76	17.51	No	
Well connected to Barge Dock Skimmer system - Phase 2														
MRW-5	3/25/2013	625.10	627.88	610.12	595.12	16.55	2.84	19.39	16.61	608.49	-0.24	16.21	No	
MRW-5	5/5/2013	625.10	627.88	610.12	595.12	13.27	6.12	19.39	16.61	608.49	0.00	19.49	No	
MRW-5	3/17/2015	625.10	627.88	610.12	595.12	14.75	4.22	18.97	16.19	608.91	0.42	18.01	No	
MRW-5	6/25/2015	625.10	627.88	610.12	595.12	13.64	0.26	13.90	11.12	613.98	5.49	19.12	Yes	
MRW-5	7/10/2015	625.10	627.88	610.12	595.12	13.55	0.36	13.91	11.13	613.97	-0.01	19.21	Yes	
MRW-5	7/13/2015	625.10	627.88	610.12	595.12	13.50	0.37	13.87	11.09	614.01	0.04	19.26	Yes	
MRW-5	9/10/2015	625.10	627.88	610.12	595.12	13.79	0.29	14.08	11.30	613.80	-0.21	18.97	Yes	
MRW-5	9/24/2015	625.10	627.88	610.12	595.12	13.28	0.02	13.30	10.52	614.58	0.78	19.48	Yes	
MRW-5	10/1/2015	625.10	627.88	610.12	595.12	12.97	0.26	13.23	10.45	614.65	0.07	19.79	Yes	
MRW-5	10/14/2015	625.10	627.88	610.12	595.12	13.49	0.35	13.84	11.06	614.04	-0.61	19.27	Yes	
MRW-5	3/7/2016	625.10	627.88	610.12	595.12	10.74	0.25	10.99	8.21	616.89	2.85	22.02	Yes	Pre system start
MRW-5	4/21/2016	625.10	627.88	610.12	595.12	8.94	9.82	18.76	15.98	609.12	-7.77	23.82	No	
MRW-5	5/18/2016	625.10	627.88	610.12	595.12	10.98	1.13	12.11	9.33	615.77	6.65	21.78	Yes	
MRW-5	5/25/2016	625.10	627.88	610.12	595.12	11.40	0.32	11.72	8.94	616.16	0.39	21.36	Yes	
MRW-5	5/31/2016	625.10	627.88	610.12	595.12	11.29	0.29	11.58	8.80	616.30	0.14	21.47	Yes	
MRW-5	6/14/2016	625.10	627.88	610.12	595.12	11.18	0.28	11.46	8.68	616.42	0.12	21.58	Yes	
MRW-5	6/21/2016	625.10	627.88	610.12	595.12	10.66	0.19	10.85	8.07	617.03	0.61	22.10	Yes	
MRW-5	7/6/2016	625.10	627.88	610.12	595.12	10.17	7.51	17.68	14.90	610.20	-6.83	22.59	Yes	
MRW-5	7/7/2016	625.10	627.88	610.12	595.12	11.07	3.10	14.17	11.39	613.71	3.51	21.69	Yes	
MRW-5	7/15/2016	625.10	627.88	610.12	595.12	11.08	0.27	11.35	8.57	616.53	0.11	21.68	Yes	
MRW-5	7/25/2016	625.10	627.88	610.12	595.12	11.75	0.44	12.19	9.41	615.69	-0.84	21.01	Yes	
MRW-5	8/26/2016	625.10	627.88	610.12	595.12	12.96	0.37	13.33	10.55	614.55	-1.14	19.80	Yes	
MRW-5	9/2/2016	625.10	627.88	610.12	595.12	12.85	0.50	13.35	10.57	614.53	-0.02	19.91	Yes	
MRW-5	10/3/2016	625.10	627.88	610.12	595.12	13.04	0.30	13.34	10.56	614.54	0.01	19.72	Yes	
MRW-5	10/6/2016	625.10	627.88	610.12	595.12	13.18	0.34	13.52	10.74	614.36	-0.18	19.58	Yes	
MRW-5	10/13/2016	625.10	627.88	610.12	595.12	13.24	0.33	13.57	10.79	614.31	-0.05	19.52	Yes	
MRW-5	5/2/2017	625.10	627.88	610.12	595.12	9.37	9.38	18.75	15.97	609.13	-5.18	23.39	No	
MRW-5	5/8/2017	625.10	627.88	610.12	595.12	11.51	0.31	11.82	9.04	616.06	6.93	21.25	Yes	
MRW-5	5/18/2017	625.10	627.88	610.12	595.12	11.19	0.31	11.50	8.72	616.38	0.32	21.57	Yes	
MRW-5	5/25/2017	625.10	627.88	610.12	595.12	10.09	0.31	10.40	7.62	617.48	1.10	22.67	Yes	
MRW-5	5/31/2017	625.10	627.88	610.12	595.12	10.14	0.33	10.47	7.69	617.41	-0.07	22.62	Yes	
MRW-5	6/14/2017	625.10	627.88	610.12	595.12	11.30	0.26	11.56	8.78	616.32	-1.09	21.46	Yes	
MRW-5	6/21/2017	625.10	627.88	610.12	595.12	11.76	0.64	12.40	9.62	615.48	-0.84	21.00	Yes	
MRW-5	06/29/17	625.10	627.88	610.12	595.12	11.96	0.26	12.22	9.44	615.66	0.18	20.80	Yes	
MRW-5	7/7/2017	625.10	627.88	610.12	595.12	11.45	0.30	11.75	8.97	616.13	0.47	21.31	Yes	
MRW-5	07/12/17	625.10	627.88	610.12	595.12	11.44	0.22	11.66	8.88	616.22	0.09	21.32	Yes	
MRW-5	7/19/2017	625.10	627.88	610.12	595.12	11.33	0.30	11.63	8.85	616.25	0.03	21.43	Yes	
MRW-5	07/26/17	625.10	627.88	610.12	595.12	11.56	0.30	11.86	9.08	616.02	-0.23	21.20	Yes	
MRW-5	7/27/2017	625.10	627.88	610.12	595.12	11.73	0.30	12.03	9.25	615.85	-0.17	21.03	Yes	
MRW-5	08/04/17	625.10	627.88	610.12	595.12	11.88	0.30	12.18	9.40	615.70	-0.15	20.88	Yes	
MRW-5	8/8/2017	625.10	627.88	610.12	595.12	12.01	0.31	12.32	9.54	615.56	-0.14	20.75	Yes	
MRW-5	08/15/17	625.10	627.88	610.12	595.12	11.28	0.20	11.48	8.70	616.40	0.84	21.48	Yes	
MRW-5	8/22/2017	625.10	627.88	610.12	595.12	10.97	0.36	11.33	8.55	616.55	0.15	21.79	Yes	

Table 4
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Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-5	08/30/17	625.10	627.88	610.12	595.12	10.01	0.02	10.03	7.25	617.85	1.30	22.75	Yes	
MRW-5	9/7/2017	625.10	627.88	610.12	595.12	10.28	0.33	10.61	7.83	617.27	-0.58	22.48	Yes	
MRW-5	09/14/17	625.10	627.88	610.12	595.12	10.91	0.59	11.50	8.72	616.38	-0.89	21.85	Yes	
MRW-5	9/19/2017	625.10	627.88	610.12	595.12	11.03	1.82	12.85	10.07	615.03	-1.35	21.73	Yes	
MRW-5	09/27/17	625.10	627.88	610.12	595.12	10.91	0.28	11.19	8.41	616.69	1.66	21.85	Yes	
MRW-5	10/12/2017	625.10	627.88	610.12	595.12	9.88	0.29	10.17	7.39	617.71	1.02	22.88	Yes	
MRW-5	10/26/2017	625.10	627.88	610.12	595.12	10.34	0.30	10.64	7.86	617.24	-0.47	22.42	Yes	
MRW-5	5/14/2018	625.10	627.88	610.12	595.12	11.75	7.08	18.83	16.05	609.05	-8.19	21.01	No	
MRW-5	5/15/2018	625.10	627.88	610.12	595.12	13.41	0.31	13.72	10.94	614.16	5.11	19.35	Yes	
MRW-5	5/23/2018	625.10	627.88	610.12	595.12	13.70	0.30	14.00	11.22	613.88	-0.28	19.06	Yes	
MRW-5	5/24/2018	625.10	627.88	610.12	595.12	13.64	0.27	13.91	11.13	613.97	0.09	19.12	Yes	
MRW-5	5/30/2018	625.10	627.88	610.12	595.12	13.03	0.23	13.26	10.48	614.62	0.65	19.73	Yes	
MRW-5	6/8/2018	625.10	627.88	610.12	595.12	12.49	0.30	12.79	10.01	615.09	0.47	20.27	Yes	Pumps were too high, increased product thickness
MRW-5	6/12/2018	625.10	627.88	610.12	595.12	12.64	0.28	12.92	10.14	614.96	-0.13	20.12	Yes	
MRW-5	6/15/2018	625.10	627.88	610.12	595.12	12.71	0.29	13.00	10.22	614.88	-0.08	20.05	Yes	
MRW-5	6/19/2018	625.10	627.88	610.12	595.12	11.68	0.01	11.69	8.91	616.19	1.31	21.08	Yes	
MRW-5	6/28/2018	625.10	627.88	610.12	595.12	12.95	0.97	13.92	11.14	613.96	-2.23	19.81	Yes	
MRW-5	7/3/2018	625.10	627.88	610.12	595.12	12.01	0.23	12.24	9.46	615.64	1.68	20.75	Yes	
MRW-5	7/10/2018	625.10	627.88	610.12	595.12	12.18	0.37	12.55	9.77	615.33	-0.31	20.58	Yes	
MRW-5	7/25/2018	625.10	627.88	610.12	595.12	12.68	2.55	15.23	12.45	612.65	-2.68	20.08	Yes	Season pre-start level check
MRW-5	8/8/2018	625.10	627.88	610.12	595.12	13.65	0.32	13.97	11.19	613.91	1.26	19.11	Yes	System Startup
MRW-5	8/16/2018	625.10	627.88	610.12	595.12	14.10	0.25	14.35	11.57	613.53	-0.38	18.66	Yes	
MRW-5	9/4/2018	625.10	627.88	610.12	595.12	13.89	0.31	14.20	11.42	613.68	0.15	18.87	Yes	
MRW-5	9/17/2018	625.10	627.88	610.12	595.12	13.79	0.29	14.08	11.30	613.80	0.12	18.97	Yes	System Down, Tank Full
MRW-5	10/22/2018	625.10	627.88	610.12	595.12	12.45	0.26	12.71	9.93	615.17	1.37	20.31	Yes	System Up and Running, Tank Pumped out
MRW-5	10/29/2018	625.10	627.88	610.12	595.12	12.39	0.27	12.66	9.88	615.22	0.05	20.37	Yes	
MRW-5	5/2/2019	625.10	627.88	610.12	595.12	10.30	8.34	18.64	15.86	609.24	-5.98	22.46	No	
MRW-5	5/7/2019	625.10	627.88	610.12	595.12	12.09	0.29	12.38	9.60	615.50	6.26	20.67	Yes	
MRW-5	5/14/2019	625.10	627.88	610.12	595.12	11.56	0.23	11.79	9.01	616.09	0.59	21.20	Yes	
MRW-5	5/22/2019	625.10	627.88	610.12	595.12	10.72	0.30	11.02	8.24	616.86	0.77	22.04	Yes	
MRW-5	5/28/2019	625.10	627.88	610.12	595.12	9.85	3.39	13.24	10.46	614.64	-2.22	22.91	Yes	
MRW-5	6/7/2019	625.10	627.88	610.12	595.12	10.74	0.27	11.01	8.23	616.87	2.23	22.02	Yes	
MRW-5	6/13/2019	625.10	627.88	610.12	595.12	10.99	0.37	11.36	8.58	616.52	-0.35	21.77	Yes	
MRW-5	6/24/2019	625.10	627.88	610.12	595.12	11.33	2.16	13.49	10.71	614.39	-2.13	21.43	Yes	
MRW-5	7/3/2019	625.10	627.88	610.12	595.12	11.31	0.25	11.56	8.78	616.32	1.93	21.45	Yes	System down on 10/18 (power line down), restarted 10/21
MRW-5	7/16/2019	625.10	627.88	610.12	595.12	12.32	0.34	12.66	9.88	615.22	-1.10	20.44	Yes	
MRW-5	8/14/2019	625.10	627.88	610.12	595.12	13.68	0.28	13.96	11.18	613.92	-1.30	19.08	Yes	
MRW-5	8/28/2019	625.10	627.88	610.12	595.12	13.79	0.26	14.05	11.27	613.83	-1.39	18.97	Yes	
MRW-5	9/12/2019	625.10	627.88	610.12	595.12	13.44	0.25	13.69	10.91	614.19	0.36	19.32	Yes	
MRW-5	9/25/2019	625.10	627.88	610.12	595.12	12.89	0.24	13.13	10.35	614.75	-0.47	19.87	Yes	
MRW-5	10/4/2019	625.10	627.88	610.12	595.12	12.29	0.19	12.48	9.70	615.40	0.65	20.47	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-5	10/7/2019	625.10	627.88	610.12	595.12	11.74	0.27	12.01	9.23	615.87	0.47	21.02	Yes	System start reading
MRW-5	10/21/2019	625.10	627.88	610.12	595.12	11.54	0.32	11.86	9.08	616.02	0.15	21.22	Yes	
MRW-5	10/29/2019	625.10	627.88	610.12	595.12	11.45	0.29	11.74	8.96	616.14	0.12	21.31	Yes	
MRW-5	3/31/2020	625.10	627.88	610.12	595.12	8.05	10.35	18.40	15.62	609.48	-6.66	24.71	No	
MRW-5	4/21/2020	625.10	627.88	610.12	595.12	8.65	9.87	18.52	15.74	609.36	-0.12	24.11	No	
MRW-5	4/22/2020	625.10	627.88	610.12	595.12	10.78	0.34	11.12	8.34	616.76	7.40	21.98	Yes	
MRW-5	4/30/2020	625.10	627.88	610.12	595.12	10.69	0.30	10.99	8.21	616.89	0.13	22.07	Yes	
MRW-5	5/11/2020	625.10	627.88	610.12	595.12	10.98	0.34	11.32	8.54	616.56	-0.33	21.78	Yes	
MRW-5	5/20/2020	625.10	627.88	610.12	595.12	11.28	1.04	12.32	9.54	615.56	-1.00	21.48	Yes	
MRW-5	5/26/2020	625.10	627.88	610.12	595.12	11.69	0.34	12.03	9.25	615.85	0.29	21.07	Yes	
MRW-5	5/28/2020	625.10	627.88	610.12	595.12	11.19	0.28	11.47	8.69	616.41	0.56	21.57	Yes	
MRW-5	6/2/2020	625.10	627.88	610.12	595.12	11.17	1.59	12.76	9.98	615.12	-1.29	21.59	Yes	
MRW-5	6/11/2020	625.10	627.88	610.12	595.12	11.72	1.96	13.68	10.90	614.20	-0.92	21.04	Yes	
MRW-5	6/22/2020	625.10	627.88	610.12	595.12	12.58	0.61	13.19	10.41	614.69	0.49	20.18	Yes	
MRW-5	7/6/2020	625.10	627.88	610.12	595.12	13.05	0.84	13.89	11.11	613.99	-0.70	19.71	Yes	
MRW-5	7/20/2020	625.10	627.88	610.12	595.12	12.65	0.31	12.96	10.18	614.92	0.93	20.11	Yes	
MRW-5	7/28/2020	625.10	627.88	610.12	595.12	12.47	0.32	12.79	10.01	615.09	0.17	20.29	Yes	
MRW-5	8/12/2020	625.10	627.88	610.12	595.12	12.50	0.28	12.78	10.00	615.10	0.01	20.26	Yes	
MRW-5	8/25/2020	625.10	627.88	610.12	595.12	12.93	0.65	13.58	10.80	614.30	-0.80	19.83	Yes	
MRW-5	9/8/2020	625.10	627.88	610.12	595.12	13.28	0.36	13.64	10.86	614.24	-0.06	19.48	Yes	
MRW-5	9/23/2020	625.10	627.88	610.12	595.12	13.67	0.39	14.06	11.28	613.82	-0.42	19.09	Yes	
MRW-5	10/7/2020	625.10	627.88	610.12	595.12	14.15	0.47	14.62	11.84	613.26	-0.56	18.61	Yes	
MRW-5	10/20/2020	625.10	627.88	610.12	595.12	13.95	0.29	14.24	11.46	613.64	0.38	18.81	Yes	Reading after system removal.
MRW-5	4/28/2021	625.10	627.88	610.12	595.12	10.75	7.81	18.56	15.78	609.32	-4.32	22.01	No	
MRW-5	4/29/2021	625.10	627.88	610.12	595.12	12.40	0.30	12.70	9.92	615.18	5.86	20.36	Yes	
MRW-5	5/6/2021	625.10	627.88	610.12	595.12	12.68	0.32	13.00	10.22	614.88	-0.30	20.08	Yes	
MRW-5	5/13/2021	625.10	627.88	610.12	595.12	12.96	0.32	13.28	10.50	614.60	-0.28	19.80	Yes	
MRW-5	5/19/2021	625.10	627.88	610.12	595.12	13.23	0.37	13.60	10.82	614.28	-0.32	19.53	Yes	
MRW-5	5/24/2021	625.10	627.88	610.12	595.12	12.50	0.22	12.72	9.94	615.16	0.88	20.26	Yes	
MRW-5	5/28/2021	625.10	627.88	610.12	595.12	12.62	0.25	12.87	10.09	615.01	-0.15	20.14	Yes	
MRW-5	6/8/2021	625.10	627.88	610.12	595.12	13.11	0.52	13.63	10.85	614.25	-0.76	19.65	Yes	
MRW-5	6/22/2021	625.10	627.88	610.12	595.12	13.58	0.33	13.91	11.13	613.97	-0.28	19.18	Yes	
MRW-5	7/1/2021	625.10	627.88	610.12	595.12	13.21	0.32	13.53	10.75	614.35	0.38	19.55	Yes	
MRW-5	7/12/2021	625.10	627.88	610.12	595.12	13.66	0.99	14.65	11.87	613.23	-1.12	19.10	Yes	
MRW-5	7/27/2021	625.10	627.88	610.12	595.12	14.21	0.59	14.80	12.02	613.08	-0.15	18.55	Yes	
MRW-5	8/3/2021	625.10	627.88	610.12	595.12	14.38	0.29	14.67	11.89	613.21	0.13	18.38	Yes	
MRW-5	8/10/2021	625.10	627.88	610.12	595.12	14.48	0.37	14.85	12.07	613.03	-0.18	18.28	Yes	
MRW-5	8/24/2021	625.10	627.88	610.12	595.12	14.90	0.32	15.22	12.44	612.66	-0.37	17.86	Yes	
MRW-5	8/31/2021	625.10	627.88	610.12	595.12	14.70	0.28	14.98	12.20	612.90	0.24	18.06	Yes	
MRW-5	9/14/2021	625.10	627.88	610.12	595.12	14.91	0.27	15.18	12.40	612.70	-0.20	17.85	Yes	
MRW-5	9/28/2021	625.10	627.88	610.12	595.12	14.59	0.28	14.87	12.09	613.01	0.31	18.17	Yes	
MRW-5	10/5/2021	625.10	627.88	610.12	595.12	14.56	0.33	14.89	12.11	612.99	-0.02	18.20	Yes	
MRW-5	10/19/2021	625.10	627.88	610.12	595.12	14.55	0.22	14.77	11.99	613.11	0.12	18.21	Yes	
MRW-5	10/28/2021	625.10	627.88	610.12	595.12	14.68	0.32	15.00	12.22	612.88	-0.23	18.08	Yes	
MRW-6	10/12/2011	625.90	628.27	610.86	595.86	13.64	5.54	19.18	12.46	613.44	NA	18.77	Yes	
MRW-6	10/21/2011	625.90	628.27	610.86	595.86	13.12	8.58	21.70	12.59	613.31	-0.13	19.29	Yes	
MRW-6	10/27/2011	625.90	628.27	610.86	595.86	13.26	8.47	21.73	12.71	613.19	-0.12	19.15	Yes	
MRW-6	11/3/2011	625.90	628.27	610.86	595.86	13.53	8.19	21.72	12.92	612.98	-0.21	18.88	Yes	
MRW-6	11/7/2011	625.90	628.27	610.86	595.86	13.63	8.07	21.70	12.99	612.91	-0.07	18.78	Yes	
MRW-6	11/9/2011	625.90	628.27	610.86	595.86	15.61	0.08	15.69	13.26	612.64	-0.26	16.80	Yes	
MRW-6	11/18/2011	625.90	628.27	610.86	595.86	15.55	0.39	15.94	13.26	612.64	-0.01	16.86	Yes	Reading before install of well pumps for Barge system expansion.
MRW-6	11/22/2011	625.90	628.27	610.86	595.86	14.02	7.31	21.33	13.22	612.68	0.04	18.39	Yes	Connected to System

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-6	12/1/2011	625.90	628.27	610.86	595.86	13.32	5.86	19.18	12.21	613.69	1.01	19.09	Yes	Connected to System
MRW-6	1/4/2012	625.90	628.27	610.86	595.86	14.70	7.09	21.79	13.85	612.05	-1.64	17.71	Yes	Connected to System
MRW-6	2/16/2012	625.90	628.27	610.86	595.86	15.89	5.38	21.27	14.68	611.22	-0.82	16.52	Yes	
MRW-6	3/13/2012	625.90	628.27	610.86	595.86	15.34	6.61	21.95	14.39	611.51	0.29	17.07	Yes	
MRW-6	4/16/2012	625.90	628.27	610.86	595.86	13.92	8.12	22.04	13.29	612.61	1.10	18.49	Yes	
MRW-6	6/19/2012	625.90	628.27	610.86	595.86	10.26	11.84	22.10	10.43	615.47	2.86	22.15	Yes	
MRW-6	6/21/2012	625.90	628.27	610.86	595.86	11.53	0.52	12.05	9.27	616.63	1.16	20.88	Yes	
MRW-6	6/22/2012	625.90	628.27	610.86	595.86	9.70	8.31	18.01	9.12	616.78	0.16	22.71	Yes	
MRW-6	6/28/2012	625.90	628.27	610.86	595.86	11.82	0.25	12.07	9.50	616.40	-0.39	20.59	Yes	
MRW-6	12/17/2012	625.90	628.27	610.86	595.86	15.33	6.12	21.45	14.27	611.63	-4.77	17.08	Yes	
Well connected to Barge Dock Skimmer system - Phase 2														
MRW-6	3/25/2013	625.90	628.27	610.86	595.86	16.60	4.94	21.54	15.29	610.61	-1.02	15.81	No	
MRW-6	5/5/2013	625.90	628.27	610.86	595.86	13.36	8.31	21.67	12.78	613.12	2.52	19.05	Yes	
MRW-6	3/17/2015	625.90	628.27	610.86	595.86	14.89	6.03	20.92	13.82	612.08	1.48	17.52	Yes	
MRW-6	6/25/2015	625.90	628.27	610.86	595.86	13.64	0.26	13.90	11.33	614.57	2.49	18.77	Yes	
MRW-6	7/10/2015	625.90	628.27	610.86	595.86	14.24	0.29	14.53	11.93	613.97	0.84	18.17	Yes	
MRW-6	7/13/2015	625.90	628.27	610.86	595.86	14.21	0.28	14.49	11.90	614.00	0.03	18.20	Yes	
MRW-6	9/10/2015	625.90	628.27	610.86	595.86	14.51	0.29	14.80	12.20	613.70	-0.88	17.90	Yes	
MRW-6	9/24/2015	625.90	628.27	610.86	595.86	13.77	0.19	13.96	11.44	614.46	0.76	18.64	Yes	
MRW-6	10/1/2015	625.90	628.27	610.86	595.86	13.64	0.32	13.96	11.34	614.56	0.56	18.77	Yes	
MRW-6	10/14/2015	625.90	628.27	610.86	595.86	14.08	0.45	14.53	11.81	614.09	-0.47	18.33	Yes	
MRW-6	4/21/2016	625.90	628.27	610.86	595.86	9.59	10.52	20.11	9.48	616.42	2.42	22.82	Yes	Pre system start
MRW-6	5/18/2016	625.90	628.27	610.86	595.86	11.78	0.89	12.67	9.60	616.30	-0.12	20.63	Yes	
MRW-6	5/25/2016	625.90	628.27	610.86	595.86	12.17	0.30	12.47	9.86	616.04	-0.26	20.24	Yes	
MRW-6	5/31/2016	625.90	628.27	610.86	595.86	12.07	0.29	12.36	9.76	616.14	0.10	20.34	Yes	
MRW-6	6/7/2016	625.90	628.27	610.86	595.86	11.54	0.27	11.81	9.23	616.67	0.53	20.87	Yes	water level dropped below skimming pump
MRW-6	6/14/2016	625.90	628.27	610.86	595.86	11.83	0.45	12.28	9.56	616.34	-0.33	20.58	Yes	
MRW-6	6/21/2016	625.90	628.27	610.86	595.86	11.51	0.28	11.79	9.20	616.70	0.36	20.90	Yes	
MRW-6	7/6/2016	625.90	628.27	610.86	595.86	11.84	3.60	15.44	10.24	615.66	-1.04	20.57	Yes	
MRW-6	7/7/2016	625.90	628.27	610.86	595.86	12.65	0.33	12.98	10.35	615.55	-0.11	19.76	Yes	
MRW-6	7/15/2016	625.90	628.27	610.86	595.86	11.89	0.30	12.19	9.58	616.32	-0.03	20.52	Yes	
MRW-6	7/25/2016	625.90	628.27	610.86	595.86	12.55	0.37	12.92	10.26	615.64	-0.68	19.86	Yes	
MRW-6	7/25/2016	625.90	628.27	610.86	595.86	13.52	2.68	16.20	11.73	614.17	-1.47	18.89	Yes	
MRW-6	9/2/2016	625.90	628.27	610.86	595.86	13.64	0.33	13.97	11.34	614.56	0.38	18.77	Yes	
MRW-6	10/3/2016	625.90	628.27	610.86	595.86	13.76	0.34	14.10	11.46	614.44	-0.12	18.65	Yes	
MRW-6	10/6/2016	625.90	628.27	610.86	595.86	13.90	0.33	14.23	11.60	614.30	-0.14	18.51	Yes	
MRW-6	10/13/2016	625.90	628.27	610.86	595.86	13.95	0.35	14.30	11.66	614.24	-0.05	18.46	Yes	
MRW-6	5/2/2017	625.90	628.27	610.86	595.86	9.99	10.05	20.04	9.78	616.12	1.88	22.42	Yes	
MRW-6	5/8/2017	625.90	628.27	610.86	595.86	12.29	0.33	12.62	9.99	615.91	-0.21	20.12	Yes	
MRW-6	5/18/2017	625.90	628.27	610.86	595.86	11.91	0.29	12.20	9.60	616.30	0.39	20.50	Yes	
MRW-6	5/25/2017	625.90	628.27	610.86	595.86	10.92	0.32	11.24	8.62	617.28	0.98	21.49	Yes	
MRW-6	5/31/2017	625.90	628.27	610.86	595.86	10.93	0.34	11.27	8.63	617.27	-0.01	21.48	Yes	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-6	6/14/2017	625.90	628.27	610.86	595.86	12.07	0.29	12.36	9.76	616.14	-1.13	20.34	Yes	
MRW-6	6/21/2017	625.90	628.27	610.86	595.86	12.51	0.43	12.94	10.23	615.67	-0.47	19.90	Yes	
MRW-6	6/29/2017	625.90	628.27	610.86	595.86	12.72	0.26	12.98	10.41	615.49	-0.17	19.69	Yes	
MRW-6	7/7/2017	625.90	628.27	610.86	595.86	12.27	0.29	12.56	9.96	615.94	0.44	20.14	Yes	
MRW-6	07/12/17	625.90	628.27	610.86	595.86	12.22	0.27	12.49	9.91	615.99	0.05	20.19	Yes	
MRW-6	7/19/2017	625.90	628.27	610.86	595.86	12.15	0.33	12.48	9.85	616.05	0.06	20.26	Yes	
MRW-6	07/26/17	625.90	628.27	610.86	595.86	12.40	0.28	12.68	10.09	615.81	-0.24	20.01	Yes	
MRW-6	7/27/2017	625.90	628.27	610.86	595.86	12.50	0.29	12.79	10.19	615.71	-0.10	19.91	Yes	
MRW-6	08/04/17	625.90	628.27	610.86	595.86	12.66	0.34	13.00	10.36	615.54	-0.17	19.75	Yes	
MRW-6	8/8/2017	625.90	628.27	610.86	595.86	12.78	0.30	13.08	10.47	615.43	-0.11	19.63	Yes	
MRW-6	08/15/17	625.90	628.27	610.86	595.86	12.11	0.29	12.40	9.80	616.10	0.67	20.30	Yes	
MRW-6	8/22/2017	625.90	628.27	610.86	595.86	11.82	0.34	12.16	9.52	616.38	0.28	20.59	Yes	
MRW-6	08/30/17	625.90	628.27	610.86	595.86	NP	0.00	10.96	8.59	617.31	0.93	21.45	Yes	
MRW-6	9/7/2017	625.90	628.27	610.86	595.86	11.12	0.36	11.48	8.83	617.07	-0.24	21.29	Yes	
MRW-6	09/14/17	625.90	628.27	610.86	595.86	11.68	0.41	12.09	9.40	616.50	-0.57	20.73	Yes	
MRW-6	9/19/2017	625.90	628.27	610.86	595.86	12.11	0.47	12.58	9.84	616.06	-0.44	20.30	Yes	
MRW-6	09/27/17	625.90	628.27	610.86	595.86	11.71	0.28	11.99	9.40	616.50	0.44	20.70	Yes	
MRW-6	10/12/2017	625.90	628.27	610.86	595.86	10.72	0.29	11.01	8.41	617.49	0.99	21.69	Yes	
MRW-6	10/26/2017	625.90	628.27	610.86	595.86	11.15	0.34	11.49	8.85	617.05	-0.44	21.26	Yes	
MRW-6	5/14/2018	625.90	628.27	610.86	595.86	12.26	8.05	20.31	11.62	614.28	-2.77	20.15	Yes	
MRW-6	5/15/2018	625.90	628.27	610.86	595.86	14.10	0.31	14.41	11.80	614.10	-0.18	18.31	Yes	
MRW-6	5/23/2018	625.90	628.27	610.86	595.86	14.33	0.36	14.69	12.04	613.86	-0.24	18.08	Yes	
MRW-6	5/24/2018	625.90	628.27	610.86	595.86	14.30	0.30	14.60	11.99	613.91	0.04	18.11	Yes	
MRW-6	5/30/2018	625.90	628.27	610.86	595.86	13.76	0.28	14.04	11.45	614.45	0.54	18.65	Yes	Pumps were too high, increased product thickness
MRW-6	6/8/2018	625.90	628.27	610.86	595.86	13.28	0.29	13.57	10.97	614.93	0.48	19.13	Yes	
MRW-6	6/12/2018	625.90	628.27	610.86	595.86	13.39	0.33	13.72	11.09	614.81	-0.12	19.02	Yes	
MRW-6	6/19/2018	625.90	628.27	610.86	595.86	12.46	0.01	12.47	10.09	615.81	1.00	19.95	Yes	
MRW-6	6/28/2018	625.90	628.27	610.86	595.86	12.75	0.40	13.15	10.47	615.43	-0.37	19.66	Yes	
MRW-6	7/3/2018	625.90	628.27	610.86	595.86	12.70	0.32	13.02	10.40	615.50	0.07	19.71	Yes	
MRW-6	7/10/2018	625.90	628.27	610.86	595.86	12.95	0.35	13.30	10.66	615.24	-0.26	19.46	Yes	
MRW-6	7/25/2018	625.90	628.27	610.86	595.86	13.76	0.99	14.75	11.60	614.30	-0.95	18.65	Yes	Season pre-start level check
MRW-6	8/8/2018	625.90	628.27	610.86	595.86	14.36	0.36	14.72	12.07	613.83	-0.46	18.05	Yes	
MRW-6	8/16/2018	625.90	628.27	610.86	595.86	14.75	0.35	15.10	12.46	613.44	-0.39	17.66	Yes	
MRW-6	9/4/2018	625.90	628.27	610.86	595.86	14.63	0.32	14.95	12.33	613.57	0.13	17.78	Yes	
MRW-6	9/17/2018	625.90	628.27	610.86	595.86	14.92	0.19	15.11	12.59	613.31	-0.26	17.49	Yes	System Down, Tank Full
MRW-6	10/22/2018	625.90	628.27	610.86	595.86	13.26	0.22	13.48	10.94	614.96	1.65	19.15	Yes	System Up and Running, Tank Pumped out
MRW-6	10/29/2018	625.90	628.27	610.86	595.86	13.14	0.30	13.44	10.83	615.07	0.10	19.27	Yes	
MRW-6	5/2/2019	625.90	628.27	610.86	595.86	10.84	9.29	20.13	10.47	615.43	0.37	21.57	Yes	
MRW-6	5/7/2019	625.90	628.27	610.86	595.86	12.87	0.30	13.17	10.56	615.34	-0.10	19.54	Yes	
MRW-6	5/14/2019	625.90	628.27	610.86	595.86	12.34	0.29	12.63	10.03	615.87	0.53	20.07	Yes	
MRW-6	5/22/2019	625.90	628.27	610.86	595.86	11.57	0.25	11.82	9.25	616.65	0.78	20.84	Yes	
MRW-6	5/28/2019	625.90	628.27	610.86	595.86	11.27	0.66	11.93	9.04	616.86	0.21	21.14	Yes	
MRW-6	6/7/2019	625.90	628.27	610.86	595.86	11.51	0.31	11.82	9.21	616.69	-0.16	20.90	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-6	6/13/2019	625.90	628.27	610.86	595.86	11.79	0.35	12.14	9.50	616.40	-0.29	20.62	Yes	
MRW-6	6/24/2019	625.90	628.27	610.86	595.86	12.40	0.78	13.18	10.20	615.70	-0.70	20.01	Yes	System down on 10/18 (power line down), restarted 10/21
MRW-6	7/3/2019	625.90	628.27	610.86	595.86	12.18	0.21	12.39	9.86	616.04	0.34	20.23	Yes	
MRW-6	8/14/2019	625.90	628.27	610.86	595.86	14.37	0.32	14.69	12.07	613.83	-2.21	18.04	Yes	
MRW-6	8/25/2019	625.90	628.27	610.86	595.86	14.53	0.29	14.82	12.22	613.68	-2.37	17.88	Yes	
MRW-6	9/12/2019	625.90	628.27	610.86	595.86	14.20	0.28	14.48	11.89	614.01	0.33	18.21	Yes	
MRW-6	9/25/2019	625.90	628.27	610.86	595.86	13.64	0.32	13.96	11.34	614.56	0.55	18.77	Yes	
MRW-6	10/4/2019	625.90	628.27	610.86	595.86	13.01	0.31	13.32	10.71	615.19	0.63	19.40	Yes	
MRW-6	10/7/2019	625.90	628.27	610.86	595.86	12.51	0.28	12.79	10.20	615.70	0.51	19.90	Yes	
MRW-6	10/21/2019	625.90	628.27	610.86	595.86	12.43	0.27	12.70	10.12	615.78	0.08	19.98	Yes	Before EFR
MRW-6	10/29/2019	625.90	628.27	610.86	595.86	12.27	0.26	12.53	9.96	615.94	0.16	20.14	Yes	
MRW-6	3/31/2020	625.90	628.27	610.86	595.86	9.95	5.33	15.28	8.73	617.17	1.23	22.46	Yes	
MRW-6	4/21/2020	625.90	628.27	610.86	595.86	10.46	5.36	15.82	9.24	616.66	-0.52	21.95	Yes	
MRW-6	4/22/2020	625.90	628.27	610.86	595.86	11.55	0.32	11.87	9.25	616.65	-0.01	20.86	Yes	
MRW-6	4/30/2020	625.90	628.27	610.86	595.86	11.49	0.27	11.76	9.18	616.72	0.07	20.92	Yes	
MRW-6	5/11/2020	625.90	628.27	610.86	595.86	11.81	0.17	11.98	9.48	616.42	-0.30	20.60	Yes	
MRW-6	5/20/2020	625.90	628.27	610.86	595.86	12.25	0.15	12.40	9.91	615.99	-0.44	20.16	Yes	
MRW-6	5/26/2020	625.90	628.27	610.86	595.86	12.49	0.15	12.64	10.15	615.75	-0.24	19.92	Yes	
MRW-6	5/28/2020	625.90	628.27	610.86	595.86	12.03	0.16	12.19	9.69	616.21	0.46	20.38	Yes	
MRW-6	6/2/2020	625.90	628.27	610.86	595.86	12.18	0.14	12.32	9.84	616.06	-0.15	20.23	Yes	
MRW-6	6/11/2020	625.90	628.27	610.86	595.86	12.89	0.13	13.02	10.55	615.35	-0.71	19.52	Yes	
MRW-6	6/22/2020	625.90	628.27	610.86	595.86	13.41	0.12	13.53	11.07	614.83	-0.52	19.00	Yes	
MRW-6	7/6/2020	625.90	628.27	610.86	595.86	13.92	0.14	14.06	11.58	614.32	-0.51	18.49	Yes	
MRW-6	7/20/2020	625.90	628.27	610.86	595.86	13.42	0.34	13.76	11.12	614.78	0.46	18.99	Yes	
MRW-6	7/28/2020	625.90	628.27	610.86	595.86	13.25	0.66	13.91	11.02	614.88	0.10	19.16	Yes	
MRW-6	8/12/2020	625.90	628.27	610.86	595.86	13.21	0.61	13.82	10.97	614.93	0.05	19.20	Yes	
MRW-6	8/25/2020	625.90	628.27	610.86	595.86	13.66	0.90	14.56	11.48	614.42	-0.51	18.75	Yes	
MRW-6	9/8/2020	625.90	628.27	610.86	595.86	13.82	1.15	14.97	11.70	614.20	-0.21	18.59	Yes	
MRW-6	9/23/2020	625.90	628.27	610.86	595.86	14.36	0.44	14.80	12.08	613.82	-0.39	18.05	Yes	
MRW-6	10/7/2020	625.90	628.27	610.86	595.86	14.79	0.54	15.33	12.54	613.36	-0.45	17.62	Yes	
MRW-6	10/20/2020	625.90	628.27	610.86	595.86	14.47	1.08	15.55	12.33	613.57	0.20	17.94	Yes	
MRW-6	4/28/2021	625.90	628.27	610.86	595.86	11.29	8.63	19.92	10.77	615.13	1.56	21.12	Yes	
MRW-6	4/29/2021	625.90	628.27	610.86	595.86	13.09	0.35	13.44	10.80	615.10	-0.02	19.32	Yes	
MRW-6	5/6/2021	625.90	628.27	610.86	595.86	13.38	0.37	13.75	11.09	614.81	-0.29	19.03	Yes	
MRW-6	5/13/2021	625.90	628.27	610.86	595.86	13.68	0.34	14.02	11.38	614.52	-0.29	18.73	Yes	
MRW-6	5/19/2021	625.90	628.27	610.86	595.86	13.92	0.37	14.29	11.63	614.27	-0.25	18.49	Yes	
MRW-6	5/24/2021	625.90	628.27	610.86	595.86	13.27	0.23	13.50	10.95	614.95	0.68	19.14	Yes	
MRW-6	5/28/2021	625.90	628.27	610.86	595.86	13.31	0.30	13.61	11.00	614.90	-0.06	19.10	Yes	
MRW-6	6/8/2021	625.90	628.27	610.86	595.86	13.83	0.42	14.25	11.55	614.35	-0.55	18.58	Yes	After EFR
MRW-6	6/22/2021	625.90	628.27	610.86	595.86	14.30	0.37	14.67	12.01	613.89	-0.46	18.11	Yes	
MRW-6	7/1/2021	625.90	628.27	610.86	595.86	14.00	0.33	14.33	11.70	614.20	0.31	18.41	Yes	
MRW-6	7/12/2021	625.90	628.27	610.86	595.86	14.50	0.44	14.94	12.22	613.68	-0.52	17.91	Yes	
MRW-6	7/27/2021	625.90	628.27	610.86	595.86	14.94	0.35	15.29	12.65	613.25	-0.42	17.47	Yes	

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-6	8/3/2021	625.90	628.27	610.86	595.86	15.08	0.31	15.39	12.78	613.12	-0.13	17.33	Yes	
MRW-6	8/10/2021	625.90	628.27	610.86	595.86	15.20	0.35	15.55	12.91	612.99	-0.13	17.21	Yes	
MRW-6	8/24/2021	625.90	628.27	610.86	595.86	15.57	0.36	15.93	13.28	612.62	-0.37	16.84	Yes	
MRW-6	8/31/2021	625.90	628.27	610.86	595.86	15.39	0.33	15.72	13.09	612.81	0.19	17.02	Yes	
MRW-6	9/14/2021	625.90	628.27	610.86	595.86	15.56	0.36	15.92	13.27	612.63	-0.18	16.85	Yes	
MRW-6	9/28/2021	625.90	628.27	610.86	595.86	15.32	0.31	15.63	13.02	612.88	0.25	17.09	Yes	
MRW-6	10/5/2021	625.90	628.27	610.86	595.86	15.31	0.25	15.56	12.99	612.91	0.02	17.10	Yes	
MRW-6	10/19/2021	625.90	628.27	610.86	595.86	15.21	0.35	15.56	12.92	612.98	0.08	17.20	Yes	
MRW-6	10/28/2021	625.90	628.27	610.86	595.86	15.44	0.30	15.74	13.13	612.77	-0.22	16.97	Yes	
MRW-7	10/11/2011	627.30	629.77	608.30	593.30	16.65	3.02	19.67	14.83	612.47	NA	19.82	Yes	EFR Check
MRW-7	10/12/2011	627.30	629.77	608.30	593.30	14.46	12.71	27.17	14.72	612.58	0.11	22.01	Yes	
MRW-7	10/28/2011	627.30	629.77	608.30	593.30	14.98	11.50	26.48	14.98	612.32	-0.26	21.49	Yes	
MRW-7	11/3/2011	627.30	629.77	608.30	593.30	15.09	11.91	27.00	15.18	612.12	-0.20	21.38	Yes	
MRW-7	11/9/2011	627.30	629.77	608.30	593.30	15.02	12.19	27.21	15.17	612.13	0.01	21.45	Yes	
MRW-7	11/10/2011	627.30	629.77	608.30	593.30	15.03	12.27	27.30	15.20	612.10	-0.03	21.44	Yes	
MRW-7	11/10/2011	627.30	629.77	608.30	593.30	20.80	0.30	21.10	18.39	608.91	-3.20	15.67	Yes	
MRW-7	11/13/2011	627.30	629.77	608.30	593.30	15.06	12.09	27.15	15.19	612.11	3.21	21.41	Yes	
MRW-7	11/17/2011	627.30	629.77	608.30	593.30	15.28	11.96	27.24	15.38	611.92	-0.19	21.19	Yes	Reading before install of well pumps for Barge system expansion.
MRW-7	11/22/2011	627.30	629.77	608.30	593.30	15.33	11.94	27.27	15.43	611.87	-0.05	21.14	Yes	Connected to System
MRW-7	12/1/2011	627.30	629.77	608.30	593.30	15.54	11.68	27.22	15.58	611.72	-0.15	20.93	Yes	Connected to System
MRW-7	1/4/2012	627.30	629.77	608.30	593.30	16.12	11.15	27.27	16.05	611.25	-0.47	20.35	Yes	Connected to System
MRW-7	2/16/2012	627.30	629.77	608.30	593.30	16.88	10.39	27.27	16.64	610.66	-0.60	19.59	Yes	
MRW-7	3/13/2012	627.30	629.77	608.30	593.30	16.68	10.56	27.24	16.48	610.82	0.16	19.79	Yes	
MRW-7	4/16/2012	627.30	629.77	608.30	593.30	15.21	12.03	27.24	15.32	611.98	1.15	21.26	Yes	
MRW-7	6/11/2012	627.30	629.77	608.30	593.30	12.56	14.72	27.28	13.25	614.05	2.07	23.91	Yes	
MRW-7	6/21/2012	627.30	629.77	608.30	593.30	12.91	5.98	18.89	11.72	615.58	1.53	23.56	Yes	
MRW-7	6/22/2012	627.30	629.77	608.30	593.30	14.08	0.70	14.78	11.76	615.54	-0.04	22.39	Yes	
MRW-7	6/28/2012	627.30	629.77	608.30	593.30	14.65	0.19	14.84	12.22	615.08	-0.46	21.82	Yes	
MRW-7	12/17/2012	627.30	629.77	608.30	593.30	17.11	8.93	26.04	16.56	610.74	-4.34	19.36	Yes	
Well connected to Barge Dock Skimmer system - Phase 2														
MRW-7	3/25/2013	627.30	629.77	608.30	593.30	18.15	8.44	26.59	17.49	609.81	-0.93	18.32	Yes	
MRW-7	5/5/2013	627.30	629.77	608.30	593.30	15.04	11.41	26.45	15.02	612.28	2.47	21.43	Yes	
MRW-7	3/17/2015	627.30	629.77	608.30	593.30	16.43	9.46	25.89	15.99	611.31	1.50	20.04	Yes	
MRW-7	6/25/2015	627.30	629.77	608.30	593.30	16.78	0.19	16.97	14.35	612.95	1.64	19.69	Yes	
MRW-7	7/10/2015	627.30	629.77	608.30	593.30	16.77	0.26	17.03	14.36	612.94	0.67	19.70	Yes	
MRW-7	7/13/2015	627.30	629.77	608.30	593.30	16.73	0.22	16.95	14.31	612.99	0.05	19.74	Yes	
MRW-7	9/10/2015	627.30	629.77	608.30	593.30	17.02	0.24	17.26	14.60	612.70	-0.25	19.45	Yes	
MRW-7	9/24/2015	627.30	629.77	608.30	593.30	16.29	0.18	16.47	13.86	613.44	0.49	20.18	Yes	
MRW-7	10/1/2015	627.30	629.77	608.30	593.30	16.22	0.27	16.49	13.81	613.49	0.50	20.25	Yes	
MRW-7	10/14/2015	627.30	629.77	608.30	593.30	16.73	0.26	16.99	14.32	612.98	-0.01	19.74	Yes	
MRW-7	4/21/2016	627.30	629.77	608.30	593.30	15.40	0.25	15.65	12.98	614.32	1.32	21.07	Yes	Pre system start
MRW-7	5/18/2016	627.30	629.77	608.30	593.30	14.56	0.83	15.39	12.27	615.03	0.72	21.91	Yes	

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MRW-7	5/25/2016	627.30	629.77	608.30	593.30	14.93	0.21	15.14	12.51	614.79	-0.24	21.54	Yes	
MRW-7	5/31/2016	627.30	629.77	608.30	593.30	14.81	0.23	15.04	12.39	614.91	0.12	21.66	Yes	
MRW-7	6/7/2016	627.30	629.77	608.30	593.30	14.36	0.22	14.58	11.94	615.36	0.45	22.11	Yes	
MRW-7	6/14/2016	627.30	629.77	608.30	593.30	14.71	0.28	14.99	12.30	615.00	-0.36	21.76	Yes	
MRW-7	6/21/2016	627.30	629.77	608.30	593.30	14.39	0.20	14.59	11.96	615.34	0.34	22.08	Yes	
MRW-7	7/6/2016	627.30	629.77	608.30	593.30	12.45	12.64	25.09	12.70	614.60	-0.73	24.02	Yes	
MRW-7	7/7/2016	627.30	629.77	608.30	593.30	13.48	8.80	22.28	12.90	614.40	-0.20	22.99	Yes	
MRW-7	7/15/2016	627.30	629.77	608.30	593.30	14.70	0.25	14.95	12.28	615.02	0.70	21.77	Yes	
MRW-7	7/25/2016	627.30	629.77	608.30	593.30	15.29	0.30	15.59	12.88	614.42	-0.60	21.18	Yes	
MRW-7	8/26/2016	627.30	629.77	608.30	593.30	16.19	0.54	16.73	13.84	613.46	-0.95	20.28	Yes	
MRW-7	9/2/2016	627.30	629.77	608.30	593.30	16.26	0.21	16.47	13.84	613.46	0.00	20.21	Yes	
MRW-7	10/3/2016	627.30	629.77	608.30	593.30	16.38	0.22	16.60	13.96	613.34	-0.12	20.09	Yes	
MRW-7	10/6/2016	627.30	629.77	608.30	593.30	16.46	0.29	16.75	14.05	613.25	-0.10	20.01	Yes	
MRW-7	10/13/2016	627.30	629.77	608.30	593.30	16.55	0.27	16.82	14.14	613.16	-0.09	19.92	Yes	
MRW-7	5/2/2017	627.30	629.77	608.30	593.30	11.96	13.31	25.27	12.35	614.95	1.79	24.51	Yes	
MRW-7	5/8/2017	627.30	629.77	608.30	593.30	14.97	0.27	15.24	12.56	614.74	-0.21	21.50	Yes	
MRW-7	5/18/2017	627.30	629.77	608.30	593.30	14.57	0.25	14.82	12.15	615.15	0.40	21.90	Yes	
MRW-7	5/25/2017	627.30	629.77	608.30	593.30	13.79	0.24	14.03	11.37	615.93	0.78	22.68	Yes	
MRW-7	5/31/2017	627.30	629.77	608.30	593.30	13.76	0.27	14.03	11.35	615.95	0.02	22.71	Yes	
MRW-7	6/14/2017	627.30	629.77	608.30	593.30	14.79	0.23	15.02	12.37	614.93	-1.02	21.68	Yes	
MRW-7	6/21/2017	627.30	629.77	608.30	593.30	15.79	0.23	16.02	13.37	613.93	-1.00	20.68	Yes	
MRW-7	6/29/2017	627.30	629.77	608.30	593.30	15.35	0.22	15.57	12.93	614.37	0.44	21.12	Yes	
MRW-7	7/7/2017	627.30	629.77	608.30	593.30	15.02	0.21	15.23	12.60	614.70	0.33	21.45	Yes	
MRW-7	07/12/17	627.30	629.77	608.30	593.30	14.94	0.21	15.15	12.52	614.78	0.08	21.53	Yes	
MRW-7	7/19/2017	627.30	629.77	608.30	593.30	14.91	0.22	15.13	12.49	614.81	0.03	21.56	Yes	
MRW-7	07/26/17	627.30	629.77	608.30	593.30	15.10	0.26	15.36	12.69	614.61	-0.20	21.37	Yes	
MRW-7	7/27/2017	627.30	629.77	608.30	593.30	15.20	0.25	15.45	12.78	614.52	-0.10	21.27	Yes	
MRW-7	08/04/17	627.30	629.77	608.30	593.30	15.38	0.24	15.62	12.96	614.34	-0.18	21.09	Yes	
MRW-7	8/8/2017	627.30	629.77	608.30	593.30	15.48	0.25	15.73	13.06	614.24	-0.10	20.99	Yes	
MRW-7	08/15/17	627.30	629.77	608.30	593.30	14.96	0.11	15.07	12.51	614.79	0.55	21.51	Yes	
MRW-7	8/22/2017	627.30	629.77	608.30	593.30	14.58	0.42	15.00	12.20	615.10	0.31	21.89	Yes	
MRW-7	08/30/17	627.30	629.77	608.30	593.30	13.71	0.10	13.81	11.26	616.04	0.94	22.76	Yes	
MRW-7	9/7/2017	627.30	629.77	608.30	593.30	13.94	0.28	14.22	11.53	615.77	-0.27	22.53	Yes	System start
MRW-7	09/14/17	627.30	629.77	608.30	593.30	14.47	0.27	14.74	12.06	615.24	-0.53	22.00	Yes	
MRW-7	9/19/2017	627.30	629.77	608.30	593.30	14.75	0.74	15.49	12.44	614.86	-0.38	21.72	Yes	
MRW-7	09/27/17	627.30	629.77	608.30	593.30	14.43	0.32	14.75	12.03	615.27	0.41	22.04	Yes	
MRW-7	10/12/2017	627.30	629.77	608.30	593.30	13.54	0.25	13.79	11.12	616.18	0.91	22.93	Yes	
MRW-7	10/26/2017	627.30	629.77	608.30	593.30	13.94	0.32	14.26	11.54	615.76	-0.42	22.53	Yes	
MRW-7	5/14/2018	627.30	629.77	608.30	593.30	14.03	11.31	25.34	13.99	613.31	-2.45	22.44	Yes	
MRW-7	5/15/2018	627.30	629.77	608.30	593.30	16.59	0.21	16.80	14.17	613.13	-0.18	19.88	Yes	
MRW-7	5/23/2018	627.30	629.77	608.30	593.30	16.80	0.28	17.08	14.39	612.91	-0.23	19.67	Yes	
MRW-7	5/24/2018	627.30	629.77	608.30	593.30	16.76	0.24	17.00	14.34	612.96	0.05	19.71	Yes	
MRW-7	5/30/2018	627.30	629.77	608.30	593.30	16.28	0.20	16.48	13.85	613.45	0.49	20.19	Yes	Pumps were too high, increased product thickness

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-7	6/8/2018	627.30	629.77	608.30	593.30	15.85	0.19	16.04	13.42	613.88	0.43	20.62	Yes	
MRW-7	6/12/2018	627.30	629.77	608.30	593.30	16.00	0.23	16.23	13.58	613.72	-0.16	20.47	Yes	
MRW-7	6/19/2018	627.30	629.77	608.30	593.30	14.99	0.01	15.00	12.52	614.78	1.06	21.48	Yes	
MRW-7	6/28/2018	627.30	629.77	608.30	593.30	15.25	0.95	16.20	12.98	614.32	-0.46	21.22	Yes	
MRW-7	7/3/2018	627.30	629.77	608.30	593.30	15.32	0.25	15.57	12.90	614.40	0.08	21.15	Yes	
MRW-7	7/10/2018	627.30	629.77	608.30	593.30	15.60	0.25	15.85	13.18	614.12	-0.28	20.87	Yes	
MRW-7	7/25/2018	627.30	629.77	608.30	593.30	16.10	2.00	18.10	14.06	613.24	-0.88	20.37	Yes	Pre-system level check
MRW-7	8/8/2018	627.30	629.77	608.30	593.30	16.90	0.28	17.18	14.49	612.81	-0.43	19.57	Yes	
MRW-7	8/16/2018	627.30	629.77	608.30	593.30	17.25	0.27	17.52	14.84	612.46	-0.35	19.22	Yes	
MRW-7	9/4/2018	627.30	629.77	608.30	593.30	17.15	0.23	17.38	14.73	612.57	0.11	19.32	Yes	
MRW-7	9/17/2018	627.30	629.77	608.30	593.30	17.05	0.15	17.20	14.61	612.69	0.12	19.42	Yes	System Down, Tank Full
MRW-7	10/22/2018	627.30	629.77	608.30	593.30	15.90	0.18	16.08	13.47	613.83	1.14	20.57	Yes	System Up and Running, Tank Pumped out
MRW-7	10/29/2018	627.30	629.77	608.30	593.30	15.69	0.25	15.94	13.27	614.03	0.19	20.78	Yes	
MRW-7	5/2/2019	627.30	629.77	608.30	593.30	12.75	12.25	25.00	12.91	614.39	0.36	23.72	Yes	
MRW-7	5/7/2019	627.30	629.77	608.30	593.30	15.57	0.25	15.82	13.15	614.15	-0.24	20.90	Yes	
MRW-7	5/14/2019	627.30	629.77	608.30	593.30	15.10	0.23	15.33	12.68	614.62	0.47	21.37	Yes	
MRW-7	5/22/2019	627.30	629.77	608.30	593.30	14.36	0.29	14.65	11.95	615.35	0.73	22.11	Yes	
MRW-7	5/28/2019	627.30	629.77	608.30	593.30	13.62	2.32	15.94	11.65	615.65	0.30	22.85	Yes	
MRW-7	6/7/2019	627.30	629.77	608.30	593.30	14.24	0.24	14.48	11.82	615.48	-0.17	22.23	Yes	
MRW-7	6/13/2019	627.30	629.77	608.30	593.30	14.53	0.23	14.76	12.11	615.19	-0.29	21.94	Yes	
MRW-7	6/24/2019	627.30	629.77	608.30	593.30	14.84	0.52	15.36	12.48	614.82	-0.37	21.63	Yes	System down on 10/18 (power line down), restarted 10/21
MRW-7	7/3/2019	627.30	629.77	608.30	593.30	14.82	0.26	15.08	12.41	614.89	0.08	21.65	Yes	
MRW-7	8/14/2019	627.30	629.77	608.30	593.30	16.87	0.25	17.12	14.45	612.85	-2.05	19.60	Yes	
MRW-7	8/28/2019	627.30	629.77	608.30	593.30	17.03	0.29	17.32	14.62	612.68	-2.22	19.44	Yes	
MRW-7	9/12/2019	627.30	629.77	608.30	593.30	16.76	0.16	16.92	14.32	612.98	0.30	19.71	Yes	
MRW-7	9/25/2019	627.30	629.77	608.30	593.30	16.22	0.22	16.44	13.80	613.50	0.53	20.25	Yes	
MRW-7	10/4/2019	627.30	629.77	608.30	593.30	15.60	0.22	15.82	13.18	614.12	0.62	20.87	Yes	
MRW-7	10/7/2019	627.30	629.77	608.30	593.30	15.18	0.23	15.41	12.76	614.54	0.42	21.29	Yes	
MRW-7	10/21/2019	627.30	629.77	608.30	593.30	15.09	0.24	15.33	12.67	614.63	0.09	21.38	Yes	
MRW-7	10/29/2019	627.30	629.77	608.30	593.30	14.92	0.20	15.12	12.49	614.81	0.18	21.55	Yes	
MRW-7	3/31/2020	627.30	629.77	608.30	593.30	10.66	11.24	21.90	10.60	616.70	1.89	25.81	Yes	
MRW-7	4/21/2020	627.30	629.77	608.30	593.30	11.20	13.68	24.88	11.67	615.63	-1.06	25.27	Yes	
MRW-7	4/22/2020	627.30	629.77	608.30	593.30	13.65	2.62	16.27	11.74	615.56	-0.07	22.82	Yes	
MRW-7	4/30/2020	627.30	629.77	608.30	593.30	14.16	0.22	14.38	11.74	615.56	0.01	22.31	Yes	
MRW-7	5/11/2020	627.30	629.77	608.30	593.30	14.40	0.28	14.68	11.99	615.31	-0.25	22.07	Yes	
MRW-7	5/20/2020	627.30	629.77	608.30	593.30	14.75	0.55	15.30	12.40	614.90	-0.41	21.72	Yes	
MRW-7	5/26/2020	627.30	629.77	608.30	593.30	15.00	0.29	15.29	12.59	614.71	-0.19	21.47	Yes	
MRW-7	5/28/2020	627.30	629.77	608.30	593.30	14.57	0.26	14.83	12.16	615.14	0.44	21.90	Yes	
MRW-7	6/2/2020	627.30	629.77	608.30	593.30	14.77	0.83	15.60	12.48	614.82	-0.32	21.70	Yes	
MRW-7	6/11/2020	627.30	629.77	608.30	593.30	15.25	0.75	16.00	12.94	614.36	-0.46	21.22	Yes	
MRW-7	6/22/2020	627.30	629.77	608.30	593.30	15.73	1.02	16.75	13.48	613.82	-0.54	20.74	Yes	
MRW-7	7/6/2020	627.30	629.77	608.30	593.30	16.30	0.48	16.78	13.93	613.37	-0.45	20.17	Yes	
MRW-7	7/20/2020	627.30	629.77	608.30	593.30	15.94	0.22	16.16	13.52	613.78	0.42	20.53	Yes	
MRW-7	7/28/2020	627.30	629.77	608.30	593.30	15.80	0.47	16.27	13.43	613.87	0.09	20.67	Yes	
MRW-7	8/12/2020	627.30	629.77	608.30	593.30	15.76	0.24	16.00	13.34	613.96	0.09	20.71	Yes	
MRW-7	8/25/2020	627.30	629.77	608.30	593.30	16.21	0.35	16.56	13.82	613.48	-0.47	20.26	Yes	
MRW-7	9/8/2020	627.30	629.77	608.30	593.30	16.44	0.32	16.76	14.04	613.26	-0.22	20.03	Yes	

Table 4
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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-7	9/23/2020	627.30	629.77	608.30	593.30	16.80	0.30	17.10	14.39	612.91	-0.36	19.67	Yes	
MRW-7	10/7/2020	627.30	629.77	608.30	593.30	17.13	0.28	17.41	14.72	612.58	-0.33	19.34	Yes	
MRW-7	10/20/2020	627.30	629.77	608.30	593.30	17.10	0.15	17.25	14.66	612.64	0.06	19.37	Yes	
MRW-7	4/28/2021	627.30	629.77	608.30	593.30	13.01	11.73	24.74	13.06	614.24	1.60	23.46	Yes	
MRW-7	4/29/2021	627.30	629.77	608.30	593.30	15.57	0.24	15.81	13.15	614.15	-0.09	20.90	Yes	
MRW-7	5/6/2021	627.30	629.77	608.30	593.30	15.80	0.28	16.08	13.39	613.91	-0.24	20.67	Yes	
MRW-7	5/13/2021	627.30	629.77	608.30	593.30	16.11	0.26	16.37	13.70	613.60	-0.31	20.36	Yes	
MRW-7	5/19/2021	627.30	629.77	608.30	593.30	16.35	0.28	16.63	13.94	613.36	-0.24	20.12	Yes	
MRW-7	5/24/2021	627.30	629.77	608.30	593.30	15.68	0.24	15.92	13.26	614.04	0.68	20.79	Yes	
MRW-7	5/28/2021	627.30	629.77	608.30	593.30	15.78	0.21	15.99	13.36	613.94	-0.09	20.69	Yes	
MRW-7	6/8/2021	627.30	629.77	608.30	593.30	16.25	0.30	16.55	13.84	613.46	-0.49	20.22	Yes	
MRW-7	6/22/2021	627.30	629.77	608.30	593.30	16.69	0.31	17.00	14.29	613.01	-0.44	19.78	Yes	
MRW-7	7/1/2021	627.30	629.77	608.30	593.30	16.50	0.17	16.67	14.07	613.23	0.22	19.97	Yes	
MRW-7	7/12/2021	627.30	629.77	608.30	593.30	16.91	0.44	17.35	14.53	612.77	-0.47	19.56	Yes	
MRW-7	7/27/2021	627.30	629.77	608.30	593.30	17.30	0.33	17.63	14.90	612.40	-0.37	19.17	Yes	
MRW-7	8/3/2021	627.30	629.77	608.30	593.30	17.44	0.27	17.71	15.03	612.27	-0.13	19.03	Yes	
MRW-7	8/10/2021	627.30	629.77	608.30	593.30	17.53	0.25	17.78	15.11	612.19	-0.09	18.94	Yes	
MRW-7	8/24/2021	627.30	629.77	608.30	593.30	17.94	0.27	18.21	15.53	611.77	-0.41	18.53	Yes	
MRW-7	8/31/2021	627.30	629.77	608.30	593.30	17.75	0.26	18.01	15.34	611.96	0.19	18.72	Yes	
MRW-7	9/14/2021	627.30	629.77	608.30	593.30	17.95	0.23	18.18	15.53	611.77	-0.19	18.52	Yes	
MRW-7	9/28/2021	627.30	629.77	608.30	593.30	17.64	0.27	17.91	15.23	612.07	0.30	18.83	Yes	
MRW-7	10/5/2021	627.30	629.77	608.30	593.30	17.62	0.29	17.91	15.21	612.09	0.02	18.85	Yes	
MRW-7	10/19/2021	627.30	629.77	608.30	593.30	17.59	0.22	17.81	15.17	612.13	0.05	18.88	Yes	
MRW-7	10/28/2021	627.30	629.77	608.30	593.30	17.72	0.28	18.00	15.31	611.99	-0.14	18.75	Yes	
MRW-8	10/11/2011	627.30	629.50	610.37	595.37	14.29	12.22	26.51	14.72	612.58	NA	19.84	Yes	Before EFR
MRW-8	10/12/2011	627.30	629.50	610.37	595.37	13.74	13.97	27.71	14.54	612.76	0.17	20.39	Yes	After EFR (12:25)
MRW-8	10/21/2011	627.30	629.50	610.37	595.37	14.06	13.95	28.01	14.86	612.44	-0.32	20.07	Yes	After EFR (13:30)
MRW-8	10/27/2011	627.30	629.50	610.37	595.37	16.85	3.35	20.20	15.37	611.93	-0.51	17.28	Yes	
MRW-8	10/27/2011	627.30	629.50	610.37	595.37	16.20	5.31	21.51	15.14	612.16	0.23	17.93	Yes	
MRW-8	11/3/2011	627.30	629.50	610.37	595.37	14.69	12.74	27.43	15.23	612.07	-0.09	19.44	Yes	
MRW-8	11/9/2011	627.30	629.50	610.37	595.37	14.89	12.61	27.50	15.40	611.90	-0.17	19.24	Yes	
MRW-8	11/10/2011	627.30	629.50	610.37	595.37	14.66	12.94	27.60	15.24	612.06	0.16	19.47	Yes	
MRW-8	11/10/2011	627.30	629.50	610.37	595.37	18.04	0.30	18.34	15.90	611.40	-0.66	16.09	Yes	
MRW-8	11/10/2011	627.30	629.50	610.37	595.37	17.45	2.50	19.95	15.79	611.51	0.12	16.68	Yes	
MRW-8	11/13/2011	627.30	629.50	610.37	595.37	14.65	12.64	27.29	15.17	612.13	0.62	19.48	Yes	
MRW-8	11/17/2011	627.30	629.50	610.37	595.37	14.89	12.61	27.50	15.40	611.90	-0.23	19.24	Yes	Reading before install of well pumps for Barge system expansion.
MRW-8	11/22/2011	627.30	629.50	610.37	595.37	14.94	12.63	27.57	15.45	611.85	-0.05	19.19	Yes	Connected to System
MRW-8	12/1/2011	627.30	629.50	610.37	595.37	15.09	12.48	27.57	15.57	611.73	-0.12	19.04	Yes	Connected to System
MRW-8	1/4/2012	627.30	629.50	610.37	595.37	15.70	11.77	27.47	16.03	611.27	-0.46	18.43	Yes	Connected to System
MRW-8	2/16/2012	627.30	629.50	610.37	595.37	16.44	10.95	27.39	16.59	610.71	-0.56	17.69	Yes	
MRW-8	3/13/2012	627.30	629.50	610.37	595.37	16.31	11.03	27.34	16.48	610.82	0.11	17.82	Yes	
MRW-8	4/16/2012	627.30	629.50	610.37	595.37	14.84	12.64	27.48	15.36	611.94	1.12	19.29	Yes	
MRW-8	6/11/2012	627.30	629.50	610.37	595.37	12.22	15.77	27.99	13.41	613.89	1.95	21.91	Yes	
MRW-8	6/21/2012	627.30	629.50	610.37	595.37	14.66	0.24	14.90	12.51	614.79	0.90	19.47	Yes	
MRW-8	6/22/2012	627.30	629.50	610.37	595.37	11.08	14.98	26.06	12.10	615.20	0.41	23.05	Yes	
MRW-8	6/28/2012	627.30	629.50	610.37	595.37	14.84	0.17	15.01	12.68	614.62	-0.58	19.29	Yes	
MRW-8	12/17/2012	627.30	629.50	610.37	595.37	16.90	9.38	26.28	16.72	610.58	-4.04	17.23	Yes	
Well connected to Barge Dock Skimmer system - Phase 2														
MRW-8	3/25/2013	627.30	629.50	610.37	595.37	18.40	8.25	26.65	17.97	609.33	-1.26	15.73	No	
MRW-8	5/5/2013	627.30	629.50	610.37	595.37	14.96	10.97	25.93	15.12	612.18	2.86	19.17	Yes	
MRW-8	3/17/2015	627.30	629.50	610.37	595.37	16.15	8.15	24.30	15.70	611.60	-0.58	17.98	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-8	6/25/2015	627.30	629.50	610.37	595.37	16.44	0.22	16.66	14.29	613.01	1.41	17.69	Yes	
MRW-8	7/10/2015	627.30	629.50	610.37	595.37	16.37	0.17	16.54	14.21	613.09	0.08	17.76	Yes	
MRW-8	7/13/2015	627.30	629.50	610.37	595.37	16.36	0.16	16.52	14.19	613.11	0.01	17.77	Yes	
MRW-8	9/10/2015	627.30	629.50	610.37	595.37	16.60	0.24	16.84	14.45	612.85	-0.26	17.53	Yes	
MRW-8	9/24/2015	627.30	629.50	610.37	595.37	16.04	0.18	16.22	13.88	613.42	0.57	18.09	Yes	
MRW-8	10/1/2015	627.30	629.50	610.37	595.37	15.86	0.17	16.03	13.70	613.60	0.18	18.27	Yes	
MRW-8	10/14/2015	627.30	629.50	610.37	595.37	16.25	0.30	16.55	14.11	613.19	-0.42	17.88	Yes	
MRW-8	4/21/2016	627.30	629.50	610.37	595.37	11.31	14.16	25.47	12.15	615.15	1.96	22.82	Yes	Pre system start
MRW-8	5/18/2016	627.30	629.50	610.37	595.37	14.60	0.49	15.09	12.51	614.79	-0.35	19.53	Yes	
MRW-8	5/25/2016	627.30	629.50	610.37	595.37	14.82	0.21	15.03	12.67	614.63	-0.16	19.31	Yes	
MRW-8	5/31/2016	627.30	629.50	610.37	595.37	14.67	0.25	14.92	12.52	614.78	0.14	19.46	Yes	
MRW-8	6/7/2016	627.30	629.50	610.37	595.37	14.38	0.12	14.50	12.21	615.09	0.32	19.75	Yes	
MRW-8	6/14/2016	627.30	629.50	610.37	595.37	14.64	0.20	14.84	12.48	614.82	-0.28	19.49	Yes	
MRW-8	6/21/2016	627.30	629.50	610.37	595.37	14.29	0.22	14.51	12.14	615.16	0.35	19.84	Yes	
MRW-8	7/6/2016	627.30	629.50	610.37	595.37	12.51	11.19	23.70	12.71	614.59	-0.58	21.62	Yes	
MRW-8	7/17/2016	627.30	629.50	610.37	595.37	12.51	11.19	23.70	12.71	614.59	0.00	21.62	Yes	
MRW-8	7/15/2016	627.30	629.50	610.37	595.37	14.60	0.24	14.84	12.45	614.85	0.26	19.53	Yes	
MRW-8	7/25/2016	627.30	629.50	610.37	595.37	15.06	0.30	15.36	12.92	614.38	-0.47	19.07	Yes	
MRW-8	8/26/2016	627.30	629.50	610.37	595.37	15.92	0.37	16.29	13.80	613.50	-0.88	18.21	Yes	
MRW-8	9/2/2016	627.30	629.50	610.37	595.37	16.00	0.22	16.22	13.85	613.45	-0.05	18.13	Yes	
MRW-8	10/3/2016	627.30	629.50	610.37	595.37	16.03	0.25	16.28	13.88	613.42	-0.04	18.10	Yes	
MRW-8	10/6/2016	627.30	629.50	610.37	595.37	16.10	0.22	16.32	13.95	613.35	-0.06	18.03	Yes	
MRW-8	10/13/2016	627.30	629.50	610.37	595.37	16.20	0.25	16.45	14.05	613.25	-0.11	17.93	Yes	
MRW-8	5/2/2017	627.30	629.50	610.37	595.37	11.74	13.72	25.46	12.49	614.81	1.57	22.39	Yes	
MRW-8	5/8/2017	627.30	629.50	610.37	595.37	14.90	0.28	15.18	12.76	614.54	-0.27	19.23	Yes	
MRW-8	5/18/2017	627.30	629.50	610.37	595.37	14.55	0.20	14.75	12.39	614.91	0.37	19.58	Yes	
MRW-8	5/25/2017	627.30	629.50	610.37	595.37	13.73	0.20	13.93	11.57	615.73	0.82	20.40	Yes	
MRW-8	5/31/2017	627.30	629.50	610.37	595.37	13.71	0.26	13.97	11.57	615.73	0.01	20.42	Yes	
MRW-8	6/14/2017	627.30	629.50	610.37	595.37	14.60	0.25	14.85	12.45	614.85	-0.89	19.53	Yes	
MRW-8	6/21/2017	627.30	629.50	610.37	595.37	14.98	0.29	15.27	12.84	614.46	-0.39	19.15	Yes	
MRW-8	6/29/2017	627.30	629.50	610.37	595.37	15.13	0.22	15.35	12.98	614.32	-0.13	19.00	Yes	
MRW-8	7/7/2017	627.30	629.50	610.37	595.37	14.80	0.26	15.06	12.66	614.64	0.32	19.33	Yes	
MRW-8	07/12/17	627.30	629.50	610.37	595.37	14.71	0.20	14.91	12.55	614.75	0.10	19.42	Yes	
MRW-8	7/19/2017	627.30	629.50	610.37	595.37	14.66	0.22	14.88	12.51	614.79	0.05	19.47	Yes	
MRW-8	07/26/17	627.30	629.50	610.37	595.37	14.77	0.22	14.99	12.62	614.68	-0.11	19.36	Yes	
MRW-8	7/27/2017	627.30	629.50	610.37	595.37	14.88	0.22	15.10	12.73	614.57	-0.11	19.25	Yes	
MRW-8	08/04/17	627.30	629.50	610.37	595.37	15.09	0.17	15.26	12.93	614.37	-0.20	19.04	Yes	
MRW-8	8/8/2017	627.30	629.50	610.37	595.37	15.13	0.22	15.35	12.98	614.32	-0.05	19.00	Yes	
MRW-8	08/15/17	627.30	629.50	610.37	595.37	14.56	0.21	14.77	12.41	614.89	0.57	19.57	Yes	
MRW-8	8/22/2017	627.30	629.50	610.37	595.37	14.28	0.25	14.53	12.13	615.17	0.27	19.85	Yes	
MRW-8	08/30/17	627.30	629.50	610.37	595.37	13.47	0.18	13.65	11.31	615.99	0.83	20.66	Yes	
MRW-8	9/7/2017	627.30	629.50	610.37	595.37	13.64	0.29	13.93	11.50	615.80	-0.19	20.49	Yes	
MRW-8	09/14/17	627.30	629.50	610.37	595.37	14.11	0.27	14.38	11.97	615.33	-0.47	20.02	Yes	
MRW-8	9/19/2017	627.30	629.50	610.37	595.37	14.38	0.69	15.07	12.33	614.97	-0.36	19.75	Yes	
MRW-8	09/27/17	627.30	629.50	610.37	595.37	14.17	0.25	14.42	12.02	615.28	0.30	19.96	Yes	
MRW-8	10/12/2017	627.30	629.50	610.37	595.37	13.26	0.25	13.51	11.11	616.19	0.91	20.87	Yes	
MRW-8	10/26/2017	627.30	629.50	610.37	595.37	14.69	0.22	14.91	12.54	614.76	-1.42	19.44	Yes	

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Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-8	5/23/2018	627.30	629.50	610.37	595.37	16.50	0.28	16.78	14.36	612.94	-1.82	17.63	Yes	
MRW-8	5/24/2018	627.30	629.50	610.37	595.37	16.46	0.24	16.70	14.31	612.99	0.05	17.67	Yes	
MRW-8	5/30/2018	627.30	629.50	610.37	595.37	16.06	0.22	16.28	13.91	613.39	0.40	18.07	Yes	Pumps were too high, increased product thickness
MRW-8	6/8/2018	627.30	629.50	610.37	595.37	15.78	0.08	15.86	13.60	613.70	0.31	18.35	Yes	
MRW-8	6/12/2018	627.30	629.50	610.37	595.37	15.67	0.25	15.92	13.52	613.78	0.07	18.46	Yes	
MRW-8	6/19/2018	627.30	629.50	610.37	595.37	14.81	0.17	14.98	12.65	614.65	0.88	19.32	Yes	
MRW-8	6/28/2018	627.30	629.50	610.37	595.37	15.18	2.02	17.20	13.41	613.89	-0.77	18.95	Yes	
MRW-8	7/3/2018	627.30	629.50	610.37	595.37	15.09	0.26	15.35	12.95	614.35	0.47	19.04	Yes	
MRW-8	7/10/2018	627.30	629.50	610.37	595.37	15.30	0.28	15.58	13.16	614.14	-0.21	18.83	Yes	
MRW-8	7/25/2018	627.30	629.50	610.37	595.37	15.75	1.63	17.38	13.90	613.40	-0.74	18.38	Yes	Pre-start levels check
MRW-8	8/8/2018	627.30	629.50	610.37	595.37	16.45	0.27	16.72	14.31	612.99	-0.41	17.68	Yes	
MRW-8	8/16/2018	627.30	629.50	610.37	595.37	16.73	0.27	17.00	14.59	612.71	-0.28	17.40	Yes	
MRW-8	9/4/2018	627.30	629.50	610.37	595.37	16.66	0.18	16.84	14.50	612.80	0.09	17.47	Yes	
MRW-8	9/17/2018	627.30	629.50	610.37	595.37	16.53	0.23	16.76	14.38	612.92	0.12	17.60	Yes	System Down, Tank Full
MRW-8	10/22/2018	627.30	629.50	610.37	595.37	16.24	0.20	16.44	14.08	613.22	0.30	17.89	Yes	System Up and Running, Tank Pumped out
MRW-8	10/29/2018	627.30	629.50	610.37	595.37	15.35	0.19	15.54	13.19	614.11	0.89	18.78	Yes	
MRW-8	5/2/2019	627.30	629.50	610.37	595.37	12.48	12.65	25.13	13.00	614.30	0.19	21.65	Yes	
MRW-8	5/7/2019	627.30	629.50	610.37	595.37	16.11	0.35	16.46	13.99	613.31	-0.99	18.02	Yes	
MRW-8	5/14/2019	627.30	629.50	610.37	595.37	15.30	0.01	15.31	13.10	614.20	0.88	18.83	Yes	
MRW-8	5/22/2019	627.30	629.50	610.37	595.37	14.28	0.28	14.56	12.14	615.16	0.96	19.85	Yes	
MRW-8	5/28/2019	627.30	629.50	610.37	595.37	12.03	8.11	20.14	11.57	615.73	0.57	22.10	Yes	
MRW-8	6/7/2019	627.30	629.50	610.37	595.37	14.08	0.26	14.34	11.94	615.36	-0.36	20.05	Yes	
MRW-8	6/13/2019	627.30	629.50	610.37	595.37	14.28	0.27	14.55	12.14	615.16	-0.20	19.85	Yes	
MRW-8	6/24/2019	627.30	629.50	610.37	595.37	14.62	1.25	15.87	12.69	614.61	-0.55	19.51	Yes	System down on 10/18 (power line down), restarted 10/21
MRW-8	7/3/2019	627.30	629.50	610.37	595.37	14.58	0.17	14.75	12.42	614.88	0.27	19.55	Yes	
MRW-8	8/5/2019	627.30	629.50	610.37	595.37	16.02	0.22	16.24	13.87	613.43	-1.45	18.11	Yes	
MRW-8	8/14/2019	627.30	629.50	610.37	595.37	16.29	0.24	16.53	14.14	613.16	-1.73	17.84	Yes	
MRW-8	8/28/2019	627.30	629.50	610.37	595.37	14.58	16.95	17.09	1.58	625.72	10.83	19.55	Yes	
MRW-8	9/12/2019	627.30	629.50	610.37	595.37	14.58	16.26	16.45	1.48	625.82	0.10	19.55	Yes	
MRW-8	9/25/2019	627.30	629.50	610.37	595.37	14.58	15.66	15.91	1.41	625.89	0.07	19.55	Yes	
MRW-8	10/4/2019	627.30	629.50	610.37	595.37	14.58	15.25	15.49	1.32	625.98	0.10	19.55	Yes	
MRW-8	10/7/2019	627.30	629.50	610.37	595.37	14.81	0.22	15.03	12.66	614.64	-11.34	19.32	Yes	
MRW-8	10/21/2019	627.30	629.50	610.37	595.37	15.09	0.22	15.31	12.94	614.36	-0.28	19.04	Yes	
MRW-8	10/29/2019	627.30	629.50	610.37	595.37	14.45	0.20	14.65	12.29	615.01	0.64	19.68	Yes	
MRW-8	3/31/2020	627.30	629.50	610.37	595.37	10.45	14.15	24.60	11.29	616.01	1.00	23.68	Yes	
MRW-8	4/21/2020	627.30	629.50	610.37	595.37	10.91	13.16	24.07	11.54	615.76	-0.25	23.22	Yes	
MRW-8	4/22/2020	627.30	629.50	610.37	595.37	15.13	0.01	15.14	12.93	614.37	-1.39	19.00	Yes	
MRW-8	4/30/2020	627.30	629.50	610.37	595.37	13.93	0.25	14.18	11.78	615.52	1.15	20.20	Yes	
MRW-8	5/11/2020	627.30	629.50	610.37	595.37	14.09	0.27	14.36	11.95	615.35	-0.16	20.04	Yes	
MRW-8	5/20/2020	627.30	629.50	610.37	595.37	14.40	0.49	14.89	12.31	614.99	-0.36	19.73	Yes	
MRW-8	5/26/2020	627.30	629.50	610.37	595.37	14.66	0.29	14.95	12.52	614.78	-0.22	19.47	Yes	
MRW-8	5/28/2020	627.30	629.50	610.37	595.37	14.37	0.26	14.63	12.23	615.07	0.30	19.76	Yes	
MRW-8	6/2/2020	627.30	629.50	610.37	595.37	14.84	1.56	16.40	12.98	614.32	-0.75	19.29	Yes	

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Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-8	6/11/2020	627.30	629.50	610.37	595.37	14.95	0.23	15.18	12.80	614.50	0.18	19.18	Yes	
MRW-8	6/22/2020	627.30	629.50	610.37	595.37	15.38	0.32	15.70	13.25	614.05	-0.45	18.75	Yes	
MRW-8	7/6/2020	627.30	629.50	610.37	595.37	15.81	0.32	16.13	13.68	613.62	-0.43	18.32	Yes	
MRW-8	7/20/2020	627.30	629.50	610.37	595.37	15.47	0.26	15.73	13.33	613.97	0.35	18.66	Yes	
MRW-8	7/28/2020	627.30	629.50	610.37	595.37	15.32	0.28	15.60	13.18	614.12	0.15	18.81	Yes	
MRW-8	8/12/2020	627.30	629.50	610.37	595.37	15.32	0.27	15.59	13.18	614.12	0.00	18.81	Yes	
MRW-8	8/25/2020	627.30	629.50	610.37	595.37	15.66	0.28	15.94	13.52	613.78	-0.34	18.47	Yes	
MRW-8	9/8/2020	627.30	629.50	610.37	595.37	15.83	0.27	16.10	13.69	613.61	-0.17	18.30	Yes	
MRW-8	9/23/2020	627.30	629.50	610.37	595.37	16.21	0.29	16.50	14.07	613.23	-0.38	17.92	Yes	
MRW-8	10/7/2020	627.30	629.50	610.37	595.37	16.50	0.32	16.82	14.37	612.93	-0.30	17.63	Yes	
MRW-8	10/20/2020	627.30	629.50	610.37	595.37	16.47	0.26	16.73	14.33	612.97	0.04	17.66	Yes	
MRW-8	4/28/2021	627.30	629.50	610.37	595.37	12.82	11.54	24.36	13.10	614.20	1.23	21.31	Yes	
MRW-8	4/29/2021	627.30	629.50	610.37	595.37	16.21	0.01	16.22	14.01	613.29	-0.91	17.92	Yes	
MRW-8	5/6/2021	627.30	629.50	610.37	595.37	15.62	0.26	15.88	13.48	613.82	0.54	18.51	Yes	
MRW-8	5/13/2021	627.30	629.50	610.37	595.37	15.86	0.26	16.12	13.72	613.58	-0.24	18.27	Yes	
MRW-8	5/19/2021	627.30	629.50	610.37	595.37	15.99	0.29	16.28	13.85	613.45	-0.14	18.14	Yes	
MRW-8	5/24/2021	627.30	629.50	610.37	595.37	15.55	0.24	15.79	13.40	613.90	0.45	18.58	Yes	
MRW-8	5/28/2021	627.30	629.50	610.37	595.37	15.55	0.25	15.80	13.40	613.90	0.00	18.58	Yes	
MRW-8	6/8/2021	627.30	629.50	610.37	595.37	15.88	0.30	16.18	13.74	613.56	-0.34	18.25	Yes	
MRW-8	6/22/2021	627.30	629.50	610.37	595.37	16.32	0.29	16.61	14.18	613.12	-0.44	17.81	Yes	
MRW-8	7/1/2021	627.30	629.50	610.37	595.37	16.07	0.23	16.30	13.92	613.38	0.26	18.06	Yes	
MRW-8	7/12/2021	627.30	629.50	610.37	595.37	16.42	0.31	16.73	14.29	613.01	-0.37	17.71	Yes	
MRW-8	7/27/2021	627.30	629.50	610.37	595.37	16.79	0.28	17.07	14.65	612.65	-0.36	17.34	Yes	
MRW-8	8/3/2021	627.30	629.50	610.37	595.37	16.89	0.26	17.15	14.75	612.55	-0.10	17.24	Yes	
MRW-8	8/10/2021	627.30	629.50	610.37	595.37	16.96	0.29	17.25	14.82	612.48	-0.08	17.17	Yes	
MRW-8	8/24/2021	627.30	629.50	610.37	595.37	17.32	0.28	17.60	15.18	612.12	-0.36	16.81	Yes	
MRW-8	8/31/2021	627.30	629.50	610.37	595.37	17.20	0.25	17.45	15.05	612.25	0.13	16.93	Yes	
MRW-8	9/14/2021	627.30	629.50	610.37	595.37	17.32	0.27	17.59	15.18	612.12	-0.12	16.81	Yes	
MRW-8	9/28/2021	627.30	629.50	610.37	595.37	17.11	0.22	17.33	14.96	612.34	0.22	17.02	Yes	
MRW-8	10/5/2021	627.30	629.50	610.37	595.37	17.10	0.28	17.38	14.96	612.34	0.00	17.03	Yes	
MRW-8	10/19/2021	627.30	629.50	610.37	595.37	17.09	0.22	17.31	14.94	612.36	0.02	17.04	Yes	
MRW-8	10/28/2021	627.30	629.50	610.37	595.37	17.19	0.26	17.45	15.05	612.25	-0.11	16.94	Yes	
MRW-9	10/11/2011	626.50	629.04	609.50	594.50	13.22	13.68	26.90	13.62	612.88	NA	21.32	Yes	Reading before install of well pumps for Barge system expansion.
MRW-9	10/12/2011	626.50	629.04	609.50	594.50	13.12	13.78	26.90	13.54	612.96	0.08	21.42	Yes	Connected to System
MRW-9	10/21/2011	626.50	629.04	609.50	594.50	13.44	13.40	26.84	13.78	612.72	-0.24	21.10	Yes	Connected to System
MRW-9	10/27/2011	626.50	629.04	609.50	594.50	13.55	13.34	26.89	13.88	612.62	-0.10	20.99	Yes	Connected to System
MRW-9	2/16/2012	626.50	629.04	609.50	594.50	15.90	9.95	25.85	15.50	611.00	-1.62	18.64	Yes	
MRW-9	3/13/2012	626.50	629.04	609.50	594.50	15.70	10.25	25.95	15.36	611.14	0.14	18.84	Yes	
MRW-9	4/16/2012	626.50	629.04	609.50	594.50	14.34	11.86	26.20	14.35	612.15	1.01	20.20	Yes	
MRW-9	6/11/2012	626.50	629.04	609.50	594.50	11.95	14.21	26.16	12.46	614.04	1.89	22.59	Yes	
MRW-9	6/21/2012	626.50	629.04	609.50	594.50	14.10	1.05	15.15	11.79	614.71	0.68	20.44	Yes	
MRW-9	6/22/2012	626.50	629.04	609.50	594.50	14.10	0.23	14.33	11.61	614.89	0.18	20.44	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-9	6/28/2012	626.50	629.04	609.50	594.50	14.24	0.29	14.53	11.76	614.74	-0.15	20.30	Yes	
MRW-9	12/17/2012	626.50	629.04	609.50	594.50	16.05	7.90	23.95	15.21	611.29	-3.45	18.49	Yes	
Well connected to Barge Dock Skimmer system - Phase 2														
MRW-9	3/25/2013	626.50	629.04	609.50	594.50	17.20	8.29	25.49	16.44	610.06	-1.23	17.34	Yes	
MRW-9	5/5/2013	626.50	629.04	609.50	594.50	14.45	10.72	25.17	14.21	612.29	2.23	20.09	Yes	
Skimmer pump removed from well 777/15														
MRW-9	7/13/2013	626.50	629.04	609.50	594.50	15.13	0.02	15.15	12.59	613.91	1.62	19.41	Yes	
MRW-9	3/17/2015	626.50	629.04	609.50	594.50	17.02	0.11	17.13	14.50	612.00	-1.91	17.52	Yes	
MRW-9	6/25/2015	626.50	629.04	609.50	594.50	15.61	0.04	15.65	13.08	613.42	1.43	18.93	Yes	
MRW-9	9/10/2015	626.50	629.04	609.50	594.50	15.34	0.02	15.36	12.80	613.70	0.27	19.20	Yes	
MRW-9	10/1/2015	626.50	629.04	609.50	594.50	14.64	0.02	14.66	12.10	614.40	0.70	19.90	Yes	
MRW-9	10/14/2015	626.50	629.04	609.50	594.50	14.99	0.02	15.01	12.45	614.05	-0.35	19.55	Yes	
MRW-9	5/18/2016	626.50	629.04	609.50	594.50	13.15	0.01	13.16	10.61	615.89	1.98	21.39	Yes	
MRW-9	5/23/2016	626.50	629.04	609.50	594.50	NP	0.00	13.29	10.75	615.75	-0.14	21.25	Yes	
MRW-9	5/31/2016	626.50	629.04	609.50	594.50	13.22	0.01	13.23	10.68	615.82	0.07	21.32	Yes	
MRW-9	6/14/2016	626.50	629.04	609.50	594.50	13.10	0.01	13.11	10.56	615.94	0.12	21.44	Yes	
MRW-9	6/21/2016	626.50	629.04	609.50	594.50	12.79	0.02	12.81	10.25	616.25	0.31	21.75	Yes	
MRW-9	7/6/2016	626.50	629.04	609.50	594.50	13.46	0.01	13.47	10.92	615.58	-0.67	21.08	Yes	
MRW-9	7/7/2016	626.50	629.04	609.50	594.50	13.51	0.01	13.52	10.97	615.53	-0.05	21.03	Yes	
MRW-9	7/15/2016	626.50	629.04	609.50	594.50	NP	0.00	13.13	10.59	615.91	0.09	21.41	Yes	
MRW-9	7/25/2016	626.50	629.04	609.50	594.50	NP	0.00	13.41	10.87	615.63	-0.28	21.13	Yes	
MRW-9	8/26/2016	626.50	629.04	609.50	594.50	NP	0.00	14.29	11.75	614.75	-0.88	20.25	Yes	
MRW-9	9/2/2016	626.50	629.04	609.50	594.50	NP	0.00	14.37	11.83	614.67	-0.08	20.17	Yes	
MRW-9	10/3/2016	626.50	629.04	609.50	594.50	NP	0.00	14.44	11.90	614.60	-0.07	20.10	Yes	
MRW-9	10/6/2016	626.50	629.04	609.50	594.50	NP	0.00	14.53	11.99	614.51	-0.16	20.01	Yes	
MRW-9	10/13/2016	626.50	629.04	609.50	594.50	NP	0.00	14.62	12.08	614.42	-0.09	19.92	Yes	
MRW-9	5/2/2017	626.50	629.04	609.50	594.50	NP	0.00	13.69	11.15	615.35	0.93	20.85	Yes	
MRW-9	5/8/2017	626.50	629.04	609.50	594.50	NP	0.00	13.66	11.12	615.38	0.03	20.88	Yes	
MRW-9	5/18/2017	626.50	629.04	609.50	594.50	NP	0.00	13.36	10.82	615.68	0.30	21.18	Yes	
MRW-9	5/25/2017	626.50	629.04	609.50	594.50	NP	0.00	12.50	9.96	616.54	0.86	22.04	Yes	
MRW-9	5/31/2017	626.50	629.04	609.50	594.50	NP	0.00	12.46	9.92	616.58	0.04	22.08	Yes	
MRW-9	9/7/2017	626.50	629.04	609.50	594.50	NP	0.00	12.20	9.66	616.84	0.26	22.34	Yes	
MRW-9	9/14/2017	626.50	629.04	609.50	594.50	NP	0.00	12.01	9.47	617.03	0.19	22.53	Yes	
MRW-9	9/19/2017	626.50	629.04	609.50	594.50	NP	0.00	13.02	10.48	616.02	-1.01	21.52	Yes	
MRW-9	9/27/2017	626.50	629.04	609.50	594.50	NP	0.00	12.81	10.27	616.23	0.21	21.73	Yes	
MRW-9	5/14/2018	626.50	629.04	609.50	594.50	NP	0.00	15.18	12.64	613.86	-2.37	19.36	Yes	
MRW-9	5/23/2018	626.50	629.04	609.50	594.50	NP	0.00	15.28	12.74	613.76	-0.10	19.26	Yes	
MRW-9	5/30/2018	626.50	629.04	609.50	594.50	NP	0.00	14.85	12.31	614.19	0.43	19.69	Yes	
MRW-9	6/8/2018	626.50	629.04	609.50	594.50	NP	0.00	14.47	11.93	614.57	0.38	20.07	Yes	
MRW-9	8/8/2018	626.50	629.04	609.50	594.50	NP	0.00	15.05	12.51	613.99	-0.58	19.49	Yes	
MRW-9	5/28/2019	626.50	629.04	609.50	594.50	NP	0.00	12.89	10.35	616.15	2.16	21.65	Yes	
MRW-9	6/13/2019	626.50	629.04	609.50	594.50	NP	0.00	13.09	10.55	615.95	-0.20	21.45	Yes	
MRW-9	7/3/2019	626.50	629.04	609.50	594.50	NP	0.00	13.37	10.83	615.67	-0.28	21.17	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-9	9/12/2019	626.50	629.04	609.50	594.50	NP	0.00	14.93	12.39	614.11	-1.56	19.61	Yes	
MRW-9	9/25/2019	626.50	629.04	609.50	594.50	NP	0.00	14.34	11.80	614.70	0.59	20.20	Yes	
MRW-9	10/4/2019	626.50	629.04	609.50	594.50	NP	0.00	14.01	11.47	615.03	0.33	20.53	Yes	
MRW-9	10/8/2019	626.50	629.04	609.50	594.50	NP	0.00	13.56	11.02	615.48	0.45	20.98	Yes	
MRW-9	10/29/2019	626.50	629.04	609.50	594.50	NP	0.00	13.14	10.60	615.90	0.42	21.40	Yes	
MRW-9	3/31/2020	626.50	629.04	609.50	594.50	NP	0.00	12.48	9.94	616.56	0.66	22.06	Yes	
MRW-9	4/21/2020	626.50	629.04	609.50	594.50	NP	0.00	12.57	10.03	616.47	-0.09	21.97	Yes	
MRW-9	4/22/2020	626.50	629.04	609.50	594.50	NP	0.00	12.60	10.06	616.44	-0.03	21.94	Yes	
MRW-9	4/30/2020	626.50	629.04	609.50	594.50	NP	0.00	12.66	10.12	616.38	-0.06	21.88	Yes	
MRW-9	5/11/2020	626.50	629.04	609.50	594.50	NP	0.00	12.78	10.24	616.26	-0.12	21.76	Yes	
MRW-9	5/20/2020	626.50	629.04	609.50	594.50	NP	0.00	13.16	10.62	615.88	-0.38	21.38	Yes	
MRW-9	5/26/2020	626.50	629.04	609.50	594.50	NP	0.00	13.35	10.81	615.69	-0.19	21.19	Yes	
MRW-9	6/11/2020	626.50	629.04	609.50	594.50	NP	0.00	13.61	11.07	615.43	-0.26	20.93	Yes	
MRW-9	6/22/2020	626.50	629.04	609.50	594.50	NP	0.00	14.06	11.52	614.98	-0.45	20.48	Yes	
MRW-9	7/6/2020	626.50	629.04	609.50	594.50	NP	0.00	14.50	11.96	614.54	-0.44	20.04	Yes	
MRW-9	7/20/2020	626.50	629.04	609.50	594.50	NP	0.00	14.21	11.67	614.83	0.29	20.33	Yes	
MRW-9	8/12/2020	626.50	629.04	609.50	594.50	NP	0.00	14.05	11.51	614.99	0.16	20.49	Yes	
MRW-9	8/25/2020	626.50	629.04	609.50	594.50	NP	0.00	14.34	11.80	614.70	-0.29	20.20	Yes	
MRW-9	9/8/2020	626.50	629.04	609.50	594.50	NP	0.00	14.52	11.98	614.52	-0.18	20.02	Yes	
MRW-9	9/23/2020	626.50	629.04	609.50	594.50	NP	0.00	14.88	12.34	614.16	-0.36	19.66	Yes	
MRW-9	4/28/2021	626.50	629.04	609.50	594.50	NP	0.00	14.33	11.79	614.71	0.55	20.21	Yes	
MRW-9	5/6/2021	626.50	629.04	609.50	594.50	NP	0.00	14.45	11.91	614.59	-0.12	20.09	Yes	
MRW-9	5/13/2021	626.50	629.04	609.50	594.50	NP	0.00	14.65	12.11	614.39	-0.20	19.89	Yes	
MRW-9	5/19/2021	626.50	629.04	609.50	594.50	NP	0.00	14.81	12.27	614.23	-0.16	19.73	Yes	
MRW-9	5/24/2021	626.50	629.04	609.50	594.50	NP	0.00	14.40	11.86	614.64	0.41	20.14	Yes	
MRW-9	5/28/2021	626.50	629.04	609.50	594.50	NP	0.00	14.39	11.85	614.65	0.01	20.15	Yes	
MRW-9	6/8/2021	626.50	629.04	609.50	594.50	NP	0.00	14.63	12.09	614.41	-0.24	19.91	Yes	
MRW-9	6/22/2021	626.50	629.04	609.50	594.50	NP	0.00	15.06	12.52	613.98	-0.43	19.48	Yes	
MRW-9	7/1/2021	626.50	629.04	609.50	594.50	NP	0.00	14.84	12.30	614.20	0.22	19.70	Yes	
MRW-9	7/12/2021	626.50	629.04	609.50	594.50	NP	0.00	15.18	12.64	613.86	-0.34	19.36	Yes	
MRW-9	7/27/2021	626.50	629.04	609.50	594.50	NP	0.00	15.50	12.96	613.54	-0.32	19.04	Yes	
MRW-9	8/3/2021	626.50	629.04	609.50	594.50	NP	0.00	15.59	13.05	613.45	-0.09	18.95	Yes	
MRW-9	8/10/2021	626.50	629.04	609.50	594.50	NP	0.00	15.68	13.14	613.36	-0.09	18.86	Yes	
MRW-9	8/24/2021	626.50	629.04	609.50	594.50	NP	0.00	16.01	13.47	613.03	-0.33	18.53	Yes	
MRW-9	8/31/2021	626.50	629.04	609.50	594.50	NP	0.00	15.92	13.38	613.12	0.09	18.62	Yes	
MRW-9	9/14/2021	626.50	629.04	609.50	594.50	NP	0.00	16.05	13.51	612.99	-0.13	18.49	Yes	
MRW-9	9/28/2021	626.50	629.04	609.50	594.50	NP	0.00	15.85	13.31	613.19	0.20	18.69	Yes	
MRW-9	10/19/2021	626.50	629.04	609.50	594.50	NP	0.00	15.81	13.27	613.23	0.04	18.73	Yes	
MRW-9	10/28/2021	626.50	629.04	609.50	594.50	NP	0.00	15.93	13.39	613.11	-0.12	18.61	Yes	
MRW-10	10/11/2011	626.90	629.30	609.85	594.85	13.41	13.39	26.80	13.89	613.01	NA	21.04	Yes	Before EFR
MRW-10	10/12/2011	626.90	629.30	609.85	594.85	13.37	13.54	26.91	13.88	613.02	0.01	21.08	Yes	After EFR
MRW-10	10/21/2011	626.90	629.30	609.85	594.85	13.56	13.42	26.98	14.04	612.86	-0.16	20.89	Yes	
MRW-10	10/27/2011	626.90	629.30	609.85	594.85	13.75	13.15	26.90	14.18	612.72	-0.13	20.70	Yes	
MRW-10	11/7/2011	626.90	629.30	609.85	594.85	16.18	3.72	19.90	14.58	612.32	-0.40	18.27	Yes	
MRW-10	11/9/2011	626.90	629.30	609.85	594.85	14.32	11.62	25.94	14.42	612.48	0.16	20.13	Yes	
MRW-10	11/10/2011	626.90	629.30	609.85	594.85	14.55	11.55	26.10	14.63	612.27	-0.21	19.90	Yes	
MRW-10	11/10/2011	626.90	629.30	609.85	594.85	20.35	0.17	20.52	17.99	608.91	-3.35	14.10	No	
MRW-10	11/13/2011	626.90	629.30	609.85	594.85	14.21	11.93	26.14	14.37	612.53	3.61	20.24	Yes	Reading before install of well pumps for Barge system expansion.
MRW-10	11/17/2011	626.90	629.30	609.85	594.85	14.44	11.91	26.35	14.60	612.30	-0.23	20.01	Yes	Connected to System
MRW-10	11/22/2011	626.90	629.30	609.85	594.85	14.48	11.94	26.42	14.65	612.25	-0.05	19.97	Yes	Connected to System - LNAPL**measure
MRW-10	12/1/2011	626.90	629.30	609.85	594.85	14.64	11.80	26.44	14.78	612.12	-0.13	19.81	Yes	Connected to System - LNAPL**measure

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Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations		
MRW-10	2/16/2012	626.90	629.30	609.85	594.85	16.06	9.99	26.05	15.81	611.09	-1.03	18.39	Yes			
MRW-10	3/13/2012	626.90	629.30	609.85	594.85	15.95	10.16	26.11	15.73	611.17	0.07	18.50	Yes			
MRW-10	4/16/2012	626.90	629.30	609.85	594.85	14.60	11.76	26.36	14.73	612.17	1.01	19.85	Yes			
MRW-10	6/11/2012	626.90	629.30	609.85	594.85	12.18	14.43	26.61	12.88	614.02	1.85	22.27	Yes			
MRW-10	6/21/2012	626.90	629.30	609.85	594.85	15.20	0.06	15.26	12.81	614.09	0.07	19.25	Yes			
MRW-10	6/22/2012	626.90	629.30	609.85	594.85	11.24	4.49	15.73	9.80	617.10	3.01	23.21	Yes			
MRW-10	6/28/2012	626.90	629.30	609.85	594.85	14.55	0.25	14.80	12.20	614.70	-2.40	19.90	Yes			
MRW-10	12/17/2012	626.90	629.30	609.85	594.85	16.33	8.68	25.01	15.79	611.11	-3.59	18.12	Yes			
Well connected to Barge Dock Skimmer system - Phase 2																
MRW-10	3/25/2013	626.90	629.30	609.85	594.85	17.44	7.61	25.05	16.68	610.22	-0.88	17.01	Yes			
MRW-10	5/5/2013	626.90	629.30	609.85	594.85	14.72	11.09	25.81	14.70	612.20	1.97	19.73	Yes			
MRW-10	3/17/2015	626.90	629.30	609.85	594.85	17.30	0.15	17.45	14.93	611.97	1.74	17.15	Yes	Connected to System		
MRW-10	6/25/2015	626.90	629.30	609.85	594.85	15.85	0.17	16.02	13.49	613.41	1.45	20.73	Yes			
MRW-10	7/13/2015	626.90	629.30	609.85	594.85	15.74	0.15	15.89	13.37	613.53	1.33	18.71	Yes			
MRW-10								Skimmer pump removed from well 8/19/15								
MRW-10	9/10/2015	626.90	629.30	609.85	594.85	15.60	0.03	15.63	13.21	613.69	0.17	21.73	Yes			
MRW-10	10/1/2015	626.90	629.30	609.85	594.85	14.90	0.02	14.92	12.50	614.40	0.98	19.55	Yes			
MRW-10	10/14/2015	626.90	629.30	609.85	594.85	15.25	0.02	15.27	12.85	614.05	-0.35	22.73	Yes			
MRW-10	4/21/2016	626.90	629.30	609.85	594.85	13.48	0.14	13.62	11.11	615.79	2.27	20.97	Yes			
MRW-10	5/18/2016	626.90	629.30	609.85	594.85	13.37	0.15	13.52	11.00	615.90	0.10	21.08	Yes			
MRW-10	5/23/2016	626.90	629.30	609.85	594.85	13.52	0.12	13.64	11.15	615.75	-0.14	20.93	Yes			
MRW-10	5/31/2016	626.90	629.30	609.85	594.85	13.43	0.14	13.57	11.06	615.84	0.09	21.02	Yes			
MRW-10	6/14/2016	626.90	629.30	609.85	594.85	13.33	0.13	13.46	10.96	615.94	0.10	21.12	Yes			
MRW-10	6/21/2016	626.90	629.30	609.85	594.85	13.02	0.14	13.16	10.65	616.25	0.31	21.43	Yes			
MRW-10	7/6/2016	626.90	629.30	609.85	594.85	13.69	0.10	13.79	11.31	615.59	-0.66	20.76	Yes			
MRW-10	7/7/2016	626.90	629.30	609.85	594.85	13.75	0.01	13.76	11.35	615.55	-0.04	20.70	Yes			
MRW-10	7/15/2016	626.90	629.30	609.85	594.85	13.36	0.32	13.68	11.03	615.87	0.12	21.09	Yes			
MRW-10	7/25/2016	626.90	629.30	609.85	594.85	13.64	0.12	13.76	11.27	615.63	-0.24	20.81	Yes			
MRW-10	8/26/2016	626.90	629.30	609.85	594.85	14.56	0.10	14.66	12.18	614.72	-0.92	19.89	Yes			
MRW-10	9/2/2016	626.90	629.30	609.85	594.85	14.61	0.11	14.72	12.23	614.67	-0.05	19.84	Yes			
MRW-10	10/3/2016	626.90	629.30	609.85	594.85	14.69	0.11	14.80	12.31	614.59	-0.08	19.76	Yes			
MRW-10	10/6/2016	626.90	629.30	609.85	594.85	14.77	0.12	14.89	12.40	614.50	-0.16	19.68	Yes			
MRW-10	10/13/2016	626.90	629.30	609.85	594.85	14.87	0.10	14.97	12.49	614.41	-0.10	19.58	Yes			
MRW-10	5/2/2017	626.90	629.30	609.85	594.85	13.85	0.21	14.06	11.50	615.40	1.00	20.60	Yes			
MRW-10	5/8/2017	626.90	629.30	609.85	594.85	12.34	1.51	13.85	10.26	616.64	1.23	22.11	Yes			
MRW-10	5/18/2017	626.90	629.30	609.85	594.85	13.54	0.23	13.77	11.19	615.71	-0.92	20.91	Yes			
MRW-10	5/25/2017	626.90	629.30	609.85	594.85	12.69	0.25	12.94	10.34	616.56	0.85	21.76	Yes			
MRW-10	5/31/2017	626.90	629.30	609.85	594.85	12.63	0.25	12.88	10.28	616.62	0.06	21.82	Yes			
MRW-10	9/7/2017	626.90	629.30	609.85	594.85	12.39	0.27	12.66	10.05	616.85	0.24	22.06	Yes			
MRW-10	9/14/2017	626.90	629.30	609.85	594.85	12.80	0.22	13.02	10.45	616.45	-0.40	21.65	Yes			
MRW-10	9/19/2017	626.90	629.30	609.85	594.85	13.20	0.30	13.50	10.86	616.04	-0.42	21.25	Yes			
MRW-10	9/27/2017	626.90	629.30	609.85	594.85	12.98	0.23	13.21	10.63	616.27	0.24	21.47	Yes			
MRW-10	5/14/2018	626.90	629.30	609.85	594.85	15.28	0.32	15.60	12.95	613.95	-2.32	19.17	Yes			
MRW-10	5/15/2018	626.90	629.30	609.85	594.85	15.66	0.29	15.95	13.32	613.58	-0.37	18.79	Yes			
MRW-10	5/23/2018	626.90	629.30	609.85	594.85	15.44	0.31	15.75	13.11	613.79	0.22	19.01	Yes			
MRW-10	5/30/2018	626.90	629.30	609.85	594.85	15.01	0.32	15.33	12.68	614.22	0.43	19.44	Yes			
MRW-10	6/8/2018	626.90	629.30	609.85	594.85	14.63	0.32	14.95	12.30	614.60	0.38	19.82	Yes			
MRW-10	7/3/2018	626.90	629.30	609.85	594.85	14.16	0.07	14.23	11.78	615.12	0.52	20.29	Yes			
MRW-10	8/8/2018	626.90	629.30	609.85	594.85	15.30	0.08	15.38	12.92	613.98	-1.14	19.15	Yes			
MRW-10	8/16/2018	626.90	629.30	609.85	594.85	15.55	0.08	15.63	13.17	613.73	-0.25	18.90	Yes			
MRW-10	9/4/2018	626.90	629.30	609.85	594.85	15.51	0.07	15.58	13.13	613.77	0.04	18.94	Yes			
MRW-10	10/2/2018	626.90	629.30	609.85	594.85	15.25	0.07	15.32	12.87	614.03	0.26	19.20	Yes			

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MRW-10	10/29/2018	626.90	629.30	609.85	594.85	14.29	0.09	14.38	11.91	614.99	0.96	20.16	Yes	
MRW-10	5/2/2019	626.90	629.30	609.85	594.85	14.50	0.17	14.67	12.14	614.76	-0.23	19.95	Yes	
MRW-10	5/14/2019	626.90	629.30	609.85	594.85	13.97	0.09	14.06	11.59	615.31	0.55	20.48	Yes	
MRW-10	5/28/2019	626.90	629.30	609.85	594.85	13.08	0.13	13.21	10.71	616.19	0.88	21.37	Yes	
MRW-10	6/13/2019	626.90	629.30	609.85	594.85	13.29	0.14	13.43	10.92	615.98	-0.21	21.16	Yes	
MRW-10	6/24/2019	626.90	629.30	609.85	594.85	13.78	0.13	13.91	11.41	615.49	-0.49	20.67	Yes	
MRW-10	7/3/2019	626.90	629.30	609.85	594.85	13.59	0.10	13.69	11.21	615.69	0.20	20.86	Yes	
MRW-10	7/25/2019	626.90	629.30	609.85	594.85	14.68	0.12	14.80	12.31	614.59	-1.09	19.77	Yes	
MRW-10	8/28/2019	626.90	629.30	609.85	594.85	15.31	0.13	15.44	12.94	613.96	-0.63	19.14	Yes	
MRW-10	9/12/2019	626.90	629.30	609.85	594.85	15.15	0.12	15.27	12.78	614.12	0.16	19.30	Yes	
MRW-10	9/25/2019	626.90	629.30	609.85	594.85	14.74	0.13	14.87	12.37	614.53	0.41	19.71	Yes	
MRW-10	10/4/2019	626.90	629.30	609.85	594.85	14.22	0.13	14.35	11.85	615.05	0.52	20.23	Yes	
MRW-10	10/8/2019	626.90	629.30	609.85	594.85	13.79	0.11	13.90	11.41	615.49	0.43	20.66	Yes	
MRW-10	10/29/2019	626.90	629.30	609.85	594.85	13.31	0.31	13.62	10.98	615.92	0.44	21.14	Yes	
MRW-10	3/31/2020	626.90	629.30	609.85	594.85	12.63	0.32	12.95	10.30	616.60	0.68	21.82	Yes	
MRW-10	4/21/2020	626.90	629.30	609.85	594.85	12.73	0.34	13.07	10.40	616.50	-0.10	21.72	Yes	
MRW-10	4/22/2020	626.90	629.30	609.85	594.85	12.76	0.32	13.08	10.43	616.47	-0.03	21.69	Yes	
MRW-10	4/30/2020	626.90	629.30	609.85	594.85	12.82	0.32	13.14	10.49	616.41	-0.06	21.63	Yes	
MRW-10	5/11/2020	626.90	629.30	609.85	594.85	12.99	0.15	13.14	10.62	616.28	-0.13	21.46	Yes	
MRW-10	5/20/2020	626.90	629.30	609.85	594.85	13.38	0.08	13.46	11.00	615.90	-0.37	21.07	Yes	
MRW-10	5/26/2020	626.90	629.30	609.85	594.85	13.57	0.11	13.68	11.19	615.71	-0.20	20.88	Yes	
MRW-10	6/11/2020	626.90	629.30	609.85	594.85	13.83	0.11	13.94	11.45	615.45	-0.26	20.62	Yes	
MRW-10	6/22/2020	626.90	629.30	609.85	594.85	14.28	0.11	14.39	11.90	615.00	-0.45	20.17	Yes	
MRW-10	7/6/2020	626.90	629.30	609.85	594.85	14.71	0.12	14.83	12.34	614.56	-0.43	19.74	Yes	
MRW-10	7/20/2020	626.90	629.30	609.85	594.85	14.43	0.10	14.53	12.05	614.85	0.28	20.02	Yes	
MRW-10	8/12/2020	626.90	629.30	609.85	594.85	14.28	0.08	14.36	11.90	615.00	0.15	20.17	Yes	
MRW-10	8/25/2020	626.90	629.30	609.85	594.85	14.57	0.07	14.64	12.19	614.71	-0.29	19.88	Yes	
MRW-10	9/8/2020	626.90	629.30	609.85	594.85	14.74	0.08	14.82	12.36	614.54	-0.17	19.71	Yes	
MRW-10	9/23/2020	626.90	629.30	609.85	594.85	15.11	0.09	15.20	12.73	614.17	-0.37	19.34	Yes	
MRW-10	4/28/2021	626.90	629.30	609.85	594.85	14.45	0.51	14.96	12.16	614.74	0.57	20.00	Yes	
MRW-10	5/6/2021	626.90	629.30	609.85	594.85	14.59	0.51	15.10	12.30	614.60	-0.14	19.86	Yes	
MRW-10	5/13/2021	626.90	629.30	609.85	594.85	14.79	0.51	15.30	12.50	614.40	-0.20	19.66	Yes	
MRW-10	5/19/2021	626.90	629.30	609.85	594.85	14.92	0.51	15.43	12.63	614.27	-0.13	19.53	Yes	
MRW-10	5/24/2021	626.90	629.30	609.85	594.85	14.55	0.51	15.06	12.26	614.64	0.37	19.90	Yes	
MRW-10	5/28/2021	626.90	629.30	609.85	594.85	14.51	0.51	15.02	12.22	614.68	0.04	19.94	Yes	
MRW-10	6/8/2021	626.90	629.30	609.85	594.85	14.76	0.51	15.27	12.47	614.43	-0.25	19.69	Yes	
MRW-10	6/22/2021	626.90	629.30	609.85	594.85	15.19	0.51	15.70	12.90	614.00	-0.43	19.26	Yes	
MRW-10	7/1/2021	626.90	629.30	609.85	594.85	14.97	0.52	15.49	12.68	614.22	0.22	19.48	Yes	
MRW-10	7/12/2021	626.90	629.30	609.85	594.85	15.30	0.52	15.82	13.01	613.89	-0.33	19.15	Yes	
MRW-10	7/27/2021	626.90	629.30	609.85	594.85	15.62	0.53	16.15	13.33	613.57	-0.32	18.83	Yes	
MRW-10	8/3/2021	626.90	629.30	609.85	594.85	15.72	0.53	16.25	13.43	613.47	-0.10	18.73	Yes	
MRW-10	8/10/2021	626.90	629.30	609.85	594.85	15.81	0.51	16.32	13.52	613.38	-0.09	18.64	Yes	
MRW-10	8/24/2021	626.90	629.30	609.85	594.85	16.13	0.52	16.65	13.84	613.06	-0.32	18.32	Yes	
MRW-10	8/31/2021	626.90	629.30	609.85	594.85	16.06	0.51	16.57	13.77	613.13	0.07	18.39	Yes	
MRW-10	9/14/2021	626.90	629.30	609.85	594.85	16.19	0.52	16.71	13.90	613.00	-0.13	18.26	Yes	
MRW-10	9/28/2021	626.90	629.30	609.85	594.85	15.99	0.51	16.50	13.70	613.20	0.20	18.46	Yes	
MRW-10	10/19/2021	626.90	629.30	609.85	594.85	15.95	0.51	16.46	13.66	613.24	0.04	18.50	Yes	
MRW-10	10/28/2021	626.90	629.30	609.85	594.85	16.06	0.52	16.58	13.77	613.13	-0.11	18.39	Yes	
MWBD-1	10/9/2013	603.06	606.04	598.06	583.06	NP	0.00	5.15	2.17	600.89	NA	17.83	Yes	
MWBD-1	5/20/2014	603.06	606.04	598.06	583.06	NP	0.00	3.35	0.37	602.69	1.80	19.63	Yes	
MWBD-1	10/29/2014	603.06	606.04	598.06	583.06	NP	0.00	4.61	1.63	601.43	-1.26	18.37	Yes	

Table 4
Groundwater and LNAPL Gauging Data - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Well ID	Date	Ground Elev.	TOC Elev.	TOS Elev.	BOS Elev.	Depth to Product (feet BTOC)	Free Product Thickness (feet)	Depth to Water (feet BTOC)	Corrected DTW (feet bgs)	Corrected GW Elevation	Change in Corrected GW Elevation	Liquid in Well (feet)	Screen Submerged Below Water Table? (YES/NO)	Comments/Observations
MWBD-1	5/4/2015	603.06	606.04	598.06	583.06	NP	0.00	4.95	1.97	601.09	-0.34	18.03	Yes	
MWBD-1	10/6/2015	603.06	606.04	598.06	583.06	NP	0.00	4.48	1.50	601.56	0.47	18.50	Yes	
MWBD-1	5/23/2016	603.06	606.04	598.06	583.06	NP	0.00	4.84	1.86	601.20	-0.36	18.14	Yes	
MWBD-1	10/3/2016	603.06	606.04	598.06	583.06	NP	0.00	4.73	1.75	601.31	0.11	18.25	Yes	
MWBD-1	6/29/2017	603.06	606.04	598.06	583.06	NP	0.00	3.98	1.00	602.06	0.75	19.00	Yes	
MWBD-1	5/26/2020	603.06	606.04	598.06	583.06	NP	0.00	3.69	0.71	602.35	0.29	19.29	Yes	
MWBD-1	5/24/2021	603.06	606.04	598.06	583.06	NP	0.00	4.50	1.52	601.54	-0.81	18.48	Yes	
MWBD-1D	10/29/2014	603.12	605.42	553.12	548.12	NP	0.00	3.63	1.33	601.79	NA	53.67	Yes	
MWBD-1D	5/5/2015	603.12	605.42	553.12	548.12	NP	0.00	4.18	1.88	601.24	-0.55	53.12	Yes	
MWBD-1D	10/6/2015	603.12	605.42	553.12	548.12	NP	0.00	3.69	1.39	601.73	0.49	53.61	Yes	
MWBD-1D	5/23/2016	603.12	605.42	553.12	548.12	NP	0.00	3.82	1.52	601.60	-0.13	53.48	Yes	
MWBD-1D	10/3/2016	603.12	605.42	553.12	548.12	NP	0.00	3.70	1.40	601.72	0.12	53.60	Yes	
MWBD-1D	6/14/2017	603.12	605.42	553.12	548.12	NP	0.00	3.47	1.17	601.95	0.23	53.83	Yes	
MWBD-1D	10/3/2017	603.12	605.42	553.12	548.12	NP	0.00	2.66	0.36	602.76	0.81	54.64	Yes	
MWBD-1D	6/18/2018	603.12	605.42	553.12	548.12	NP	0.00	3.45	1.15	601.97	-0.79	53.85	Yes	
MWBD-1D	10/8/2018	603.12	605.42	553.12	548.12	NP	0.00	3.33	1.03	602.09	0.12	53.97	Yes	
MWBD-1D	6/3/2019	603.12	605.42	553.12	548.12	NP	0.00	3.15	0.85	602.27	0.18	54.15	Yes	
MWBD-1D	10/2/2019	603.12	605.42	553.12	548.12	NP	0.00	3.10	0.80	602.32	0.05	54.20	Yes	
MWBD-1D	5/26/2020	603.12	605.42	553.12	548.12	NP	0.00	3.70	1.40	601.72	-0.60	53.60	Yes	
MWBD-1D	10/5/2020	603.12	605.42	553.12	548.12	NP	0.00	3.91	1.61	601.51	-0.21	53.39	Yes	
MWBD-1D	5/24/2021	603.12	605.42	553.12	548.12	NP	0.00	3.79	1.49	601.63	0.12	53.51	Yes	
MWBD-1DD	6/18/2018	603.12	605.31	538.12	535.12	NP	0.00	1.35	-0.84	603.96	NA	68.84	Yes	
MWBD-1DD	10/8/2018	603.12	605.31	538.12	535.12	NP	0.00	2.40	0.21	602.91	-1.05	67.79	Yes	
MWBD-1DD	6/3/2019	603.12	605.31	538.12	535.12	NP	0.00	1.95	-0.24	603.36	0.45	68.24	Yes	
MWBD-1DD	10/2/2019	604.12	606.31	539.12	536.12	NP	0.00	2.04	-0.15	604.27	0.91	68.15	Yes	
MWBD-1DD	5/26/2020	605.12	607.31	540.12	537.12	NP	0.00	5.19	3.00	602.12	-2.15	65.00	Yes	
MWBD-1DD	5/24/2021	605.12	607.31	540.12	537.12	NP	0.00	2.64	0.45	604.67	2.55	67.55	Yes	

Notes:

* Corrections for free product made using: TOC elevation-[depth to ground water-(product thickness * product density)]

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters								
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm	
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--	
	Sample Date																	
MW-1			03/88 to 06/90 - No free product present in the well.															
MW-1			06/90 to 10/05 - The well was not sampled due to the presence of free product.															
MW-1	10/12/2005		660	<20	570	5000	2320	29	NA	NM	NM	NM	NM	NM	NM	NM	+10	
MW-1	05/23/06		FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	
MW-1	10/16/06		FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	
MW-1	04/23/07		FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	
MW-1	09/25/07		FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	FP	
MW-2	03/88 to 12/89		No free product present in the well.															
MW-2	05/90 to 06/07		The well was not sampled due to the presence of free product.															
MW-2	6/26/2007		Abandoned															
MW-3	3/23/1988		30	30	20	50	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-3	4/15/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	3.50	141	NM	NM	NM	NM	NM	0.07	
MW-3	10/21/2003		230	17	23	42	22.2	<4.0	NA	3.70	-107	NM	NM	NM	NM	NM	NM	
MW-3	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.24	009	NM	NM	NM	NM	NM	NM	
MW-3	11/17/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.90	067	NM	NM	NM	NM	NM	0.10	
MW-3	4/19/2005		1.7	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.1	-010	NM	NM	NM	NM	NM	NM	
MW-3	10/12/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	4.74	-089	NM	NM	753	7.42	NM	1.0	
MW-3	5/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.6	-052	NM	NM	840	7.40	NM	1.0	
MW-3	10/22/2006		4.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	6.1	-227	NM	NM	NM	6.87	NM	7.0	
MW-3	4/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.04	-169.8	NM	NM	NM	6.97	NM	3.0	
MW-3	9/29/2007		3.9	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.28	-059.1	NM	NM	NM	7.05	NM	5.0	
MW-3	5/7/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.94	249.4	NM	NM	NM	6.32	NM	1.0	
MW-3	10/25/2008		1.7	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.25	101.4	NM	NM	NM	6.80	NM	2.0	
MW-3	10/14/2009		2.9	<2.0	<2.0	<6.0	<2.0	<2.0	NA	4.51	163.0	NM	NM	NM	7.34	NM	NM	
MW-3	10/17/2011		18.2	1.2	<1.0	<3.0	<1.0	<1.0	NA	0.89	-201.0	7.91	NM	969	7.85	NM	NM	
MW-3	10/3/2012		29.9	2.2	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-3	10/2/2013		11.3	1.1	<0.34	<1.0	NA	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-3	10/30/2014		7.8	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	
MW-3	10/6/2015		9.8	2.2	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	
MW-3	10/5/2016		7.6	0.68J	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	
MW-4S	3/23/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-4S	9/21/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-4S	4/27/1989		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	8/29/1990		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	1/31/1991		<1.0	<1.0	4.0	<2.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	7/10/1991		<1.0	<1.0	2.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	6/25/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	10/28/1993		<1.0	<1.0	4.2	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	4/27/1994		1.2	<1.0	3.8	<2.0	1.2	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	10/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	4/4/1995		1.4	1.7	<1.0	<2.0	1	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	11/14/1995		<1.0	<1.0	3.4	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<0.24	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	11/5/1997		<1.0	<1.0	<1.0	<2.0	2.3	<4.0	NA	0.90	062	6.9	NM	700	7.04	NM	NM
MW-4S	11/3/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	3.07	NM	8.9	NM	1010	6.89	NM	NM
MW-4S	3/3/1999		<1.0	<1.0	3.4	3.3	NA	<4.0	NA	3.25	NM	7.0	NM	NM	NM	NM	NM
MW-4S	3/3/1999	D	<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	8/17/1999		<1.0	<1.0	3.6	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	4/26/2000		0.360	<0.40	4.16	<0.55	<0.40	<0.30	NA	0.70	-048	NM	NM	NM	NM	NM	NM
MW-4S	10/10/2000		0.86	<0.20	11	0.46	1.7	<0.16	<1.1	1.40	-008	NM	NM	NM	NM	NM	4.00
MW-4S	4/24/2001		0.19	<0.20	<0.22	<0.23	<0.29	<0.16	NA	0.70	155	NM	NM	NM	NM	NM	NM
MW-4S	10/23/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	4.10	-019	NM	NM	NM	NM	NM	1.50
MW-4S	4/23/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	2.30	177	NM	NM	NM	NM	NM	3.00
MW-4S	11/6/2002		0.18	<0.20	<0.22	<0.23	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM
MW-4S	4/15/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	0.20	-001	NM	NM	NM	NM	NM	2.55
MW-4S	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	10.70	017	NM	NM	NM	NM	NM	NM
MW-4S	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.19	103	NM	NM	NM	NM	NM	NM
MW-4S	11/17/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.00	-77	NM	NM	NM	NM	NM	4.00
MW-4S	4/19/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.7	-85	NM	NM	NM	NM	NM	NM
MW-4S	10/12/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.4	-149	NM	NM	863	7.26	NM	10
MW-4S	5/23/2006		<1.0	<1.0	1.1	<3.0	<1.0	<1.0	NA	1.5	-126	NM	NM	851	7.23	NM	1.0
MW-4S	10/22/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	4	-49.8	NM	NM	NM	6.81	NM	8.0
MW-4S	4/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	0.52	-210.0	NM	NM	NM	6.87	NM	10.0
MW-4S	9/25/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.04	-66.6	NM	NM	NM	7.2	NM	10.0
MW-4S	5/7/2008		<1.0	<1.0	11.6	<3.0	<1.0	<1.0	NA	0.62	-32.1	NM	NM	NM	6.26	NM	10.0
MW-4S	10/25/2008		<1.0	<1.0	1.9	<3.0	<1.0	<1.0	NA	1.16	-52.5	NM	NM	NM	6.9	NM	10.0

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
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Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--			
MW-4S	10/14/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-4D	7/21/1994		<1.0	<1.0	<1.0	<2.0	NA	NA	<1.5	NM	NM	NM	NM	NM	NM	NM	
MW-4D	10/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	
MW-4D	4/6/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	
MW-4D	11/14/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-4D	4/22/1996		<1.0	<1.0	<1.0	2.0	1.2	<4.0	<2.5	NM	NM	NM	NM	NM	NM	NM	
MW-4D	11/5/1997		1.5	<1.0	<1.0	<2.0	<1.0	<4.0	NA	0.70	046	6.7	NM	400	7.92	NM	
MW-4D	11/3/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	0.15	NM	8.1	NM	735	7.2	NM	
MW-4D	8/17/1999		<1.0	<1.0	<1.0	<3.0	NA	<4.0	NA	2.70	NM	6.4	NM	NM	NM	NM	
MW-4D	4/26/2000		<0.15	<0.40	<0.50	<0.55	<0.40	<0.30	NA	0.20	-018	NM	NM	NM	NM	NM	
MW-4D	10/10/2000		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	0.50	002	NM	NM	NM	NM	3.00	
MW-4D	10/23/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	0.70	039	NM	NM	NM	NM	0.60	
MW-4D	4/23/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	0.96	114	NM	NM	NM	NM	1.00	
MW-4D	11/6/2002		<0.13	<0.20	<0.22	0.53	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	
MW-4D	4/15/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	0.20	-014	NM	NM	NM	NM	0.36	
MW-4D	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	4.00	-065	NM	NM	NM	NM	NM	
MW-4D	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.82	104	NM	NM	NM	NM	NM	
MW-4D	11/17/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	0.80	-90	NM	NM	NM	NM	1.00	
MW-4D	4/19/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.9	-080	NM	NM	NM	NM	NM	
MW-4D	10/12/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.67	-264	NM	NM	435	8.72	NM	
MW-4D	5/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.8	-150	NM	NM	602	7.61	NM	
MW-4D	10/22/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	5.5	-313.5	NM	NM	NM	8.54	NM	
MW-4D	4/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	0.51	-226.9	NM	NM	NM	8.04	NM	
MW-4D	9/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.02	-206.6	NM	NM	NM	8.26	NM	
MW-4D	5/7/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.3	200.2	NM	NM	NM	9.15	NM	
MW-4D	10/25/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.66	-250.4	NM	NM	NM	8.26	NM	
MW-4D	10/14/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-5	3/23/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-5	9/21/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-5	4/27/1989		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-5	8/29/1990		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-5	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-5	1/8/1992		1.0	5.0	<1.0	5.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-5	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	

Table 5
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Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-5	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	4.50	NM	6.9	NM	NM	NM	NM	NM
MW-5	8/17/1999		<1.0	<1.0	<1.0	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-5	8/18/2000		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	4.10	087	NM	NM	NM	NM	NM	<1
MW-5	10/10/2000		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	3.90	158	NM	NM	NM	NM	NM	0.30
MW-5	4/24/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	2.10	139	NM	NM	NM	NM	NM	NM
MW-5	10/23/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	4.00	088	NM	NM	NM	NM	NM	0.10
MW-5	4/23/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	2.63	105	NM	NM	NM	NM	NM	0.10
MW-5	11/6/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM
MW-5	4/15/2003		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NM	NS
MW-5	8/28/2003		Abandoned														
MW-6	3/23/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	9/21/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	4/27/1989		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	8/29/1990		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	8/29/1990	D	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	1/31/1991		3.0	<1.0	<1.0	<2.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	1/31/1991	D	2.6	<1.0	<1.0	NA	NA	NA	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	7/10/1991	D	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	1/8/1992	D	<1.0	<1.0	<1.0	<2.0	NA	NA	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	10/14/1992		32	<1.0	55	10	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	6/25/1993		65	4.2	160	17	14.3	<8	8.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	10/28/1993		38	5.1	200	25	25.5	<8	10	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	4/27/1994		14	<1.0	100	4.4	9.6	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	10/27/1994		180	4.7	120	22	22.2	<4.0	3.3	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	4/4/1995		4.6	<1.0	11	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	11/15/1995		140	6.1	93	11	16.1	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	4/22/1996		100	2.0	93	5.6	16.9	<4.0	0.72	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	4/29/1997		450	13.0	500	31	57.8	<8.0	8.4	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	11/5/1997		200	1.5	170	27	31.4	<4.0	NA	1.00	044	7.1	NM	800	7.29	NM	NM
MW-6	11/3/1998		13	<1.0	15	<2.0	<1.0	<4.0	NA	0.73	NM	7.2	NM	1040	6.95	NM	NM
MW-6	3/3/1999		8.9	<1.0	13	2.1	NA	<4.0	NA	2.86	NM	5.8	NM	NM	NM	NM	NM
MW-6	8/17/1999		200	5.0	150	23	NA	5.4	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-6	4/26/2000		65	5.49	88.8	17.28	8.02	2.11	NA	2.20	042	NM	NM	NM	NM	NM	NM

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		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm	
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--	
MW-6	10/10/2000		46	0.76	62	7.9	4.57	<0.25	4.2	1.20	100	NM	NM	NM	NM	NM	0.20	
MW-6	4/24/2001		20	0.33	27	1.3	0.81	<0.16	NA	0.60	159	NM	NM	NM	NM	NM	NM	
MW-6	10/23/2001		13	<0.20	15	0.57	0.40	<0.16	NA	1.20	018	NM	NM	NM	NM	NM	0.10	
MW-6	4/23/2002		9.8	0.39	11	0.45	<0.29	<0.16	<1.1	1.96	084	NM	NM	NM	NM	NM	0.20	
MW-6	11/7/2002		46	1.50	60	23	10.05	<0.16	4.3	NM	NM	NM	NM	NM	NM	NM	NM	
MW-6	4/15/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.38	093	NM	NM	NM	NM	NM	0.09	
MW-6	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.00	047	NM	NM	NM	NM	NM	NM	
MW-6	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.09	254	NM	NM	NM	NM	NM	NM	
MW-6	11/18/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.30	55	NM	NM	NM	NM	NM	0.00	
MW-6	4/19/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	1.0	82	NM	NM	NM	NM	NM	NM	
MW-6	10/12/2005		3.3	0.60 J	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM	
MW-6	5/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM	
MW-6	5/06 to 9/07		Well Damaged Unable to Sample															
MW-6	9/25/2007		Well Damaged Unable to Sample															
MW-6	7/29/2009		Abandoned															
MW-6R	10/14/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0									
MW-7	3/23/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	9/21/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	4/27/1989		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	8/29/1990		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	1/31/1991		<1.0	20	<1.0	30	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	6/25/1993		<1.0	<1.0	<1.0	<2.0	1.5	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	10/28/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	4/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	10/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	4/4/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	4/4/1995	D	<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	11/14/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<2.4	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	4/29/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM	
MW-7	11/5/1997		2.8	<1.0	2.8	<2.0	<1.0	<4.0	NA	1.20	050	7.3	NM	200	7.3	NM	NM	

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-7	11/3/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	1.44	NM	8.2	NM	288	6.95	NM	NM
MW-7	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	0.60	NM	5.1	NM	NM	NM	NM	NM
MW-7	8/17/1999		<1.0	35	<1.0	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-7	4/26/2000		<0.15	8.17	<0.5	0.631	0.748	<0.3	NA	2.80	062	NM	NM	NM	NM	NM	NM
MW-7	10/10/2000		<0.13	0.22	<0.22	<0.23	<0.29	<0.16	<1.1	5.00	177	NM	NM	NM	NM	NM	0.30
MW-7	4/24/2001		<0.13	13	<0.22	<0.23	<0.29	<0.16	NA	8.00	147	NM	NM	NM	NM	NM	NM
MW-7	10/23/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	2.30	075	NM	NM	NM	NM	NM	NM
MW-7	10/23/2001	D	<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-7	4/23/2002		<0.13	0.26	<0.22	0.46	<0.29	<0.16	<1.1	0.89	-003	NM	NM	NM	NM	NM	NM
MW-7	4/23/2002	D	<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-7	11/7/2002		1.6	<0.20	<0.22	0.55	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM
MW-7	8/28/2003		Abandoned														
MW-8	3/23/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	9/21/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	4/27/1989		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	8/29/1990		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	1/31/1991		<1.0	<1.0	<1.0	<2.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	6/25/1993		<1.0	<1.0	<1.0	<2.0	3.5	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	10/28/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<40	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	4/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	10/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	4/4/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	11/14/1995		<1.0	3.4	2.1	12	4.4	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<0.24	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	10/8/1996		<0.5	<2	<2	<3	<2.0	<2	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	4/29/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	11/5/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	1.30	057	7.1	NM	800	7.19	NM	NM
MW-8	11/3/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	2.98	NM	7.7	NM	930	NM	NM	NM
MW-8	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	4.53	NM	5.3	NM	NM	NM	NM	NM
MW-8	8/17/1999		<1.0	<1.0	<1.0	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	4/26/2000		<0.15	<0.40	<0.50	<0.55	<0.40	<0.30	NA	0.20	134	NM	NM	NM	NM	NM	NM
MW-8	10/10/2000		0.29	0.72	<0.22	0.34	<0.29	<0.16	<1.1	1.20	132	NM	NM	NM	NM	NM	0.30

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-8	4/24/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	3.80	209	NM	NM	NM	NM	NM	NM
MW-8	10/23/2001		<0.13	<0.20	<0.22	0.28	0.41	<0.16	NA	3.70	097	NM	NM	NM	NM	NM	0.10
MW-8	4/23/2002		<0.13	<0.20	<0.22	0.41	<0.29	<0.16	<1.1	3.53	241	NM	NM	NM	NM	NM	0.20
MW-8	11/7/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM
MW-8	8/18/2003		Abandoned														
MW-9	3/23/1988		370	170	14000	1500	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	9/21/1988		610	44	290	1200	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	4/27/1989		2610	1280	1600	3650	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	8/29/1990		13800	14200	5710	1910	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	1/31/1991		1240	701	1300	2230	NA	1700	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	1/31/1991	D	<50	<50	670	NA	NA	NA	86	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	7/10/1991		627	255	794	1130	NA	750	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	1/8/1992		961	508	1090	1950	NA	1310	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	10/14/1992		56	222	738	843	NA	40	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	3/3/1999		<100	<100	520	480	NA	<400	NA	1.98	NM	7.2	NM	NM	NM	NM	NM
MW-9	8/17/1999		99	86	920	760	NA	<40	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	8/18/2000		74	31	530	400	860	<16	340	0.70	-057	NM	NM	NM	NM	NM	6.00
MW-9	10/10/2000		<550	<40	<91	<1500	1600	<32	<220	2.40	173	NM	NM	NM	NM	NM	3.00
MW-9	10/21/2003		290	54	830	1100	1000	<4.0	NA	6.31	086	NM	NM	NM	NM	NM	NM
MW-9	4/20/2004		320	27	690	650	830	22	NA	2.21	191	NM	NM	NM	NM	NM	NM
MW-9	11/18/2004		256	14.6	542	585	627	<5.0	159	1.00	44	NM	NM	NM	NM	NM	0.00
MW-9	4/19/2005		186	2.2	241	42.6	216.1	<1.0	81.3	1.3	-10	NM	NM	NM	NM	NM	NM
MW-9	10/12/2005		380	31	570	287	440	9.9 J	170	0.94	-122	NM	NM	920	7.61	NM	2.0
MW-9	5/23/2006		307	12.0	588	304	447	<5.0	190	1.1	-118	NM	NM	886	7.58	NM	1.0
MW-9	5/23/2006	D	339	<50.0	658	<150	559	<50.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	10/22/2006		237	12.5	442	204	292	<10.0	149	10.10	-143.5	NM	NM	NM	6.9	NM	3.00
MW-9	4/29/2007		319	17.0	554	213	263	<1.0	190	0.38	-132.3	NM	NM	NM	7.07	NM	5.00
MW-9	9/25/2007		314	13.7	443	256	313	<5.0	167	0.06	-10.4	NM	NM	NM	7.01	NM	3.00
MW-9	5/7/2008		314	17.5	521	357	340	<5.0	201	2.45	8.2	NM	NM	NM	6.48	NM	5.00
MW-9	10/25/2008		311	17.9	487	301	330	<5.0	169	0.57	-19.2	NM	NM	NM	7.05	NM	10.00
MW-9	10/27/2010		239	15.6	461	296	319	<5.0	150	NM	NM	NM	NM	NM	NM	NM	NM
MW-9	10/17/2011		209	13.0	358	225	260	<1.0	118	2.77	-176	7.67	NM	1001	7.97	NM	NM
MW-9	10/3/2012		198	14.0	376	294	325	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	3/23/1988		230	<1.0	90	40	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
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Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-10	9/21/1988		80	11	3.0	15	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	4/27/1989		260	42	18	45	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	8/29/1990		235	27	69	63	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	1/31/1991		69	7.0	15	17	NA	30	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	7/10/1991		26	13	31	22	NA	30	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	1/8/1992		3.0	<1.0	17	11	NA	30	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	10/14/1992		11	7.0	21	10	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	3/3/1999		110	7.9	35	25	NA	<4.0	NA	3.32	NM	7.5	NM	NM	NM	NM	NM
MW-10	8/17/1999		5.3	4.1	6	3	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	8/18/2000		48	12	49	43	36	<0.8	18	2.40	-096	NM	NM	NM	NM	NM	10+
MW-10	10/10/2000		140	31	120	130	103	<1.6	76	2.10	106	NM	NM	NM	NM	NM	10.00
MW-10	10/21/2003		72	11	79	50	27	<4.0	NA	1.10	-120	NM	NM	NM	NM	NM	NM
MW-10	4/20/2004		400	46	210	150	149	21	NA	2.40	056	NM	NM	NM	NM	NM	NM
MW-10	11/18/2004		90.6	3.0	61.6	31.0	41.5	<1.0	21.9	1.10	-134	NM	NM	NM	NM	NM	4.00
MW-10	4/19/2005		7.6	<1.0	2.9	<3.0	<1.0	<1.0	<1.0	1.2	-040	NM	NM	NM	NM	NM	NM
MW-10	10/12/2005		4.3	<1.0	0.61 J	<3.0	<1.0	<1.0	1.5	1.85	-090	NM	NM	996	7.66	NM	+10
MW-10	10/12/2005	D	10	0.91 J	1.2	<3.0	<1.0	<1.0	1.4	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	5/23/2006		6.7	<1.0	3.7	<3.0	<1.0	<1.0	<1.0	1.9	-087	NM	NM	1015	7.60	NM	+10
MW-10	5/23/2006	D	6.6	<1.0	3.6	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	10/22/2006		12.1	0.73 J	8.5	3.2	1.3	<1.0	1.2	6.80	-98.2	NM	NM	NM	7.07	NM	10.00
MW-10	10/22/2006	D	12.2	0.76 J	8.9	3.0	1.5	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	4/29/2007		24.1	<1.0	8.7	<3.0	<1.0	<1.0	<1.0	1.14	-94.2	NM	NM	NM	7.18	NM	10.00
MW-10	4/29/2007	D	24.4	<1.0	8.7	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	10/1/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	0.25	-23.6	NM	NM	NM	7.16	NM	5.00
MW-10	5/10/2008		<1.0	<1.0	5.0	<3.0	<1.0	<1.0	<4.0	0.95	-32.4	NM	NM	NM	6.52	NM	NM
MW-10	5/10/2008	D	<1.0	<1.0	4.7	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	10/28/2008		4.0	<1.0	4.2	<3.0	<1.0	<1.0	<4.0	0.86	0.86	NM	NM	NM	6.97	NM	4.00
MW-10	10/14/2009		4.3	<1.0	1.9	<3.0	<1.0	<1.0	<4.0	1.54	-39	NM	NM	NM	7.21	NM	NM
MW-10	10/27/2010		1.1	1.6	1.8	3.0	1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	10/17/2011		6.4	<1.0	1.7	<3.0	<1.0	<1.0	<4.0	2.67	-187	8.47	NM	895	7.99	NM	NM
MW-10	10/3/2012		9.3	<1.0	1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	10/3/2012	D	9.0	<1.0	1.1	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	5/21/2014		<1.0	<1.0	5.0	<3.0	1.7	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	5/21/2014	D	<1.0	<1.0	5.1	<3.0	<2.8	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	5/4/2015		22.2	0.72J	5.2	3.2	<1.62	0.77J	1.3	NM	NM	NM	NM	NM	NM	NM	NM
MW-10	10/5/2016		3.1	<0.39	2.3	2.3J	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-11	3/23/1988		70	<1.0	7.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-11	9/21/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-11	4/27/1989		147	19	18	19	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-11	8/29/1990		69	3.0	24	9.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-11	1/31/1991		125	14	40	12	NA	20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-11	7/10/1991		87	10	20	9.0	NA	30	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-11	1/8/1992		24	<1.0	3.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-11	10/14/1992		180	10	100	6.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-11	3/3/1999		18	<1.0	4.5	<2.0	NA	<4.0	NA	4.50	NM	7.2	NM	NM	NM	NM	NM
MW-11	8/17/1999		3.7	<1.0	3.3	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-11	8/18/2000		16	0.35	0.51	0.7	0.25	<0.16	<1.1	0.50	036	NM	NM	NM	NM	NM	6.00
MW-11	10/10/2000		73	3.6	23	11	4.5	<0.16	3.8	3.10	140	NM	NM	NM	NM	NM	1.00
MW-11	8/18/2003									Abandoned							
MW-12	03/88 to 12/89 - No free product present in the well.																
MW-12	05/90 to present - The well was not sampled due to the presence of free product.																
MW-13	3/23/1988		<1.0	<1.0	<1.0	10	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-13	9/21/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-13	4/27/1989		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-13	8/29/1990		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-13	1/31/1991		<1.0	<1.0	<1.0	<2.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-13	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-13	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-13	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-13	8/18/2000		0.16	0.21	<0.22	<0.23	<0.29	<0.16	<1.1	7.30	173	NM	NM	NM	NM	NM	1.00
MW-13	8/18/2003		Abandoned														
MW-14	09/88 to 12/89 - No free product present in the well.																
MW-14	05/90 to present - The well was not sampled due to the presence of free product.																
MW-15S	9/21/1988		18	16	7.0	16	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	4/27/1989		36	2.0	5.0	6.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	8/29/1990		4.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	1/31/1991		2.0	3.0	<1.0	2.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-15S	1/31/1991	D	1.9	1.8	<1.0	NA	NA	NA	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	7/10/1991	D	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	1/8/1992	D	<1.0	<1.0	<1.0	<2.0	NA	NA	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	10/14/1992		1.0	2.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	10/14/1992	D	1.4	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	6/25/1993		3.3	2.1	<1.0	2.4	5.1	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	10/28/1993		1.4	<1.0	<1.0	<2.0	4.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	4/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	10/27/1994		1.4	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	4/5/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	11/14/1995		3.1	1.4	1.7	<2.0	1.2	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	04/22/1996		1.6	<1.0	<1.0	<2.0	<1.0	<4.0	<0.26	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	10/8/1996		1	<2	<2	<3	<2.0	2	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	4/29/1997		7.6	1.8	1.5	12	3.5	<4.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	11/5/1997		1.1	<1.0	<1.0	<2.0	1.3	<4.0	NA	1.30	027	7.3	NM	800	7.58	NM	NM
MW-15S	11/3/1998		12	3	3.2	<2.0	<1.0	13	NA	0.88	NM	7.7	NM	937	NM	NM	NM
MW-15S	3/3/1999		7.4	<1.0	1.6	<2.0	NA	<4.0	NA	2.80	NM	5.8	NM	NM	NM	NM	NM
MW-15S	8/17/1999		6.5	2.6	3	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	4/26/2000		<0.15	<0.40	<0.50	<0.55	<0.40	<0.30	NA	0.20	080	NM	NM	NM	NM	NM	NM
MW-15S	10/10/2000		5.7	0.52	8.3	2.7	22.6	<0.16	1.7	0.10	028	NM	NM	NM	NM	NM	6.00
MW-15S	10/23/2001		3.1	<0.20	1.2	0.30	0.35	<0.16	NA	1.00	-002	NM	NM	NM	NM	NM	1.50
MW-15S	4/23/2002		0.73	<0.20	<0.22	0.72	0.49	<0.16	<1.1	2.75	174	NM	NM	NM	NM	NM	0.30
MW-15S	1/7/2002		1.6	<0.20	<0.22	0.55	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	4/15/2003		3.2	<1.0	<1.0	<3.0	<1.0	<4.0	NA	0.30	066	NM	NM	NM	NM	NM	0.73
MW-15S	10/21/2003		33	3.1	25	<3.0	<1.0	<4.0	NA	1.80	056	NM	NM	NM	NM	NM	NM
MW-15S	4/20/2004		14	<1.0	7.9	<3.0	<1.0	<4.0	NA	1.63	121	NM	NM	NM	NM	NM	NM
MW-15S	11/18/2004		1.7	<1.0	1.5	<3.0	<1.0	<1.0	<1.0	1.30	097	NM	NM	NM	NM	NM	0.10
MW-15S	4/19/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	1.5	50	NM	NM	NM	NM	NM	NM
MW-15S	10/12/2005		1.4	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	5/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	10/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	4/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	9/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	5/7/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-15S	10/25/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	4/20/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	10/15/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	10/27/2010		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15S	10/17/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.34	-254	7.89	NM	1001	7.97	NM	NM
MW-15S	10/3/2012		16.7	1.1	22.5	3.4	5.4	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	7/21/1994		<1.0	<1.0	<1.0	<2.0	NA	NA	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	10/28/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	4/6/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	11/14/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.2	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	10/8/1996		<0.5	<2	<2	<3	<2.0	<2	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	4/29/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	11/5/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	1.00	045	7	NM	900	7.04	NM	NM
MW-15D	11/3/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	0.17	NM	7.3	NM	890	NM	NM	NM
MW-15D	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	3.79	NM	6	NM	NM	NM	NM	NM
MW-15D	8/17/1999		<1.0	<1.0	<1.0	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	4/26/2000		<0.15	<0.40	<0.50	<0.55	<0.40	<0.3	NA	0.10	-014	NM	NM	NM	NM	NM	NM
MW-15D	10/10/2000		0.13	<0.20	<0.22	0.58	<0.29	<0.16	<1.1	0.20	132	NM	NM	NM	NM	NM	8.00
MW-15D	10/23/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	1.20	-120	NM	NM	NM	NM	NM	3.00
MW-15D	4/23/2002		2.60	0.45	0.48	1.10	0.55	<0.16	2.1	1.35	-012	NM	NM	NM	NM	NM	3.00
MW-15D	1/7/2002		0.31	<0.20	<0.22	0.58	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	4/15/2003		9.6	1.5	1.4	<3.0	<1.0	<4.0	NA	0.20	-046	NM	NM	NM	NM	NM	0.80
MW-15D	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	0.70	-046	NM	NM	NM	NM	NM	NM
MW-15D	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.50	064	NM	NM	NM	NM	NM	NM
MW-15D	11/18/2004		7.1	0.57 J	<1.0	<3.0	<1.0	<1.0	<1.0	2.00	-103	NM	NM	NM	NM	NM	0.60
MW-15D	4/19/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	1.8	-80	NM	NM	NM	NM	NM	NM
MW-15D	10/12/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	5/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	10/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	4/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	9/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	5/7/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	10/25/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-15D	4/20/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM

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Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--			
MW-15D	10/14/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-15D	10/27/2010		25.1	2.5	2.6	4.2	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-15D	10/17/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.62	-223	7.8	NM	822	8.38	NM	
MW-15D	10/3/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-15D	10/3/2012	D	<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-16	9/21/1988		770	3400	710	2800	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-16	4/27/1989		1540	2380	358	3410	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-16	7/11/1989		NS	NS	NS	NS	NS	NS	NS	NM	NM	NM	NM	NM	NM	NM	
MW-16	8/29/1990		195	2340	360	3130	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-16	8/29/1990	D	1000	3400	660	3500	NA	<100	45	NM	NM	NM	NM	NM	NM	NM	
MW-16	1/31/1991		169	2869	599	3410	NA	510	NA	NM	NM	NM	NM	NM	NM	NM	
MW-16	1/31/1991	D	1200	4200	670	NA	NA	NA	120	NM	NM	NM	NM	NM	NM	NM	
MW-16	7/10/1991		689	4260	817	3800	NA	550	NA	NM	NM	NM	NM	NM	NM	NM	
MW-16	7/10/1991	D	360	3200	660	2800	NA	NA	<7.5	NM	NM	NM	NM	NM	NM	NM	
MW-16	08/91 to present - The well was not sampled due to the presence of free product.																
P-17DD	9/13/2011		<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	<8.0	NM	NM	NM	NM	NM	NM	NM	
MW-18	9/21/1988		55	<1.0	1	9	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-18	4/27/1989		641	27	7.0	31	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-18	8/29/1990		308	11	10	17	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-18	1/31/1991		166	13	<1.0	15	NA	80	NA	NM	NM	NM	NM	NM	NM	NM	
MW-18	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-18	1/8/1992		57	3.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-18	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-18	8/18/2000		0.62	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	4.50	190	NM	NM	NM	NM	1.00	
MW-18	8/18/2003		Abandoned														
MW-19	7/11/1989		3.0	<2.0	9.0	9.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-19	8/29/1990		<2.0	<2.0	9.0	36	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-19	8/29/1990	D	2.3	<1.0	6.3	35	NA	<1.0	23	NM	NM	NM	NM	NM	NM	NM	
MW-19	1/31/1991		<1.0	<1.0	3.0	3.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-19	7/10/1991		1.0	1.0	7.0	28	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-19	7/10/1991	D	2.2	<1.0	8.8	22	NA	NA	33	NM	NM	NM	NM	NM	NM	NM	
MW-19	1/8/1992		2.0	<1.0	7.0	56	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters								
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--
MW-19	1/8/1992	D	2.4	<2.0	9.4	51	NA	NA	37	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	10/14/1992		1.0	1	2.0	25	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	10/14/1992	D	1.8	<1.0	3.2	32	60	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	6/25/1993		2.0	<1.0	4.5	48	90	<4.0	18	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	10/28/1993		1.9	<1.0	2.1	31	66	<4.0	27	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	4/27/1994		1.6	<1.0	1.8	19	45.7	<4.0	23	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	10/28/1994		2.2	<1.0	1.7	43	105	<4.0	33	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	4/4/1995		2.6	2.1	6.8	59	136	4.3	30	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	11/14/1995		2.8	<1.0	2.5	62	158	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	4/22/1996		1.9	<1.0	2.3	63	172	<4.0	36	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	10/8/1996		2	<2	2	61	147	3	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	4/29/1997		2.3	<1.0	3.2	59	114	<4.0	44	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	11/5/1997		1.2	<1.0	<1.0	5	27	12	NA	0.50	021	7.4	NM	1009	7.34	NM	NM	NM
MW-19	11/5/1998		<5.0	<5.0	<5.0	19	199	<20	NA	3.23	NM	7.3	NM	1200	6.84	NM	NM	NM
MW-19	3/3/1999		2.2	<1.0	2.1	29	NA	<4.0	NA	3.70	NM	7.2	NM	NM	NM	NM	NM	NM
MW-19	8/17/1999		3.3	2.5	<1.0	8.3	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	4/26/2000		0.871	<2.0	<2.50	6.2	122	<1.50	NA	0.70	-073	NM	NM	NM	NM	NM	NM	NM
MW-19	10/10/2000		3.6	<2.0	<2.2	9.5	137	<1.6	100	0.50	032	NM	NM	NM	NM	NM	NM	10.00
MW-19	4/24/2001		2.2	1.3	2.0	8.5	135	3.0	76	1.70	170	NM	NM	NM	NM	NM	NM	NM
MW-19	10/23/2001		1.1	0.27	0.94	3.8	92	<0.32	NA	1.70	-118	NM	NM	NM	NM	NM	NM	7.50
MW-19	4/23/2002		0.23	<0.20	<0.22	0.32	5.5	0.29	3.3	1.02	-023	NM	NM	NM	NM	NM	NM	8.00
MW-19	11/8/2002		1.3	<0.20	0.69	2.2	133	1.4	59	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	4/15/2003		1.0	<1.0	<1.0	<3.0	94	<4.0	NA	1.30	000	NM	NM	NM	NM	NM	NM	>3.3
MW-19	10/21/2003		Abandoned - replaced (as MW-19 again) per city request due to new road construction.															
MW-19	10/21/2003		6.7	<1.0	2.5	14	95	<4.0	NA	5.31	014	NM	NM	NM	NM	NM	NM	NM
MW-19	4/20/2004		4.6	<1.0	3.9	<3.0	29	<4.0	NA	2.06	119	NM	NM	NM	NM	NM	NM	NM
MW-19	11/17/2004		1.8	<1.0	1.1	19.9	235.3	<1.0	12.2	1.50	-6.3	NM	NM	NM	NM	NM	NM	2.00
MW-19	11/17/2004	D	0.84 J	<1.0	<1.0	19.6	217.9	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	4/19/2005		<1.0	<1.0	<1.0	13.1	254.1	<1.0	7.6	1.0	8	NM	NM	NM	NM	NM	NM	NM
MW-19	4/19/2005	D	1.2	<1.0	<1.0	11.5	242.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19	9/7/2005		Abandoned - replaced with MW-19R per city request due to retention pond re-construction.															
MW-19R	10/12/2005		320	12	150	148.9	248	3.0	270	1.40	-114	NM	NM	1182	7.36	NM	NM	+10
MW-19R	10/12/2005	D	320	13	150	148.4	236	2.0 J	260	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-19R	05/23/06		No sample collected due to presence of product															
MW-19R	10/16/06		No sample collected due to presence of product															

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--			
MW-19R	04/23/07		No sample collected due to presence of product														
MW-19R	09/25/07		No sample collected due to presence of product														
MW-19R	05/01/08		No sample collected due to presence of product														
MW-19R	10/20/08		No sample collected due to presence of product														
MW-19R	10/08/13		Abandoned														
MW-20	7/11/1989		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-20	8/29/1990		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-20	1/31/1991		<1.0	<1.0	<1.0	<2.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-20	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-20	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-20	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-20	6/25/1993		1.4	2.1	1.8	5.8	5.5	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	
MW-20	10/28/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	
MW-20	4/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	
MW-20	10/28/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	
MW-20	4/4/1995		<1.0	<1.0	1.2	<2.0	<1.0	<4.0	<1.8	NM	NM	NM	NM	NM	NM	NM	
MW-20	11/14/1995		<1.0	<1.0	<1.0	<2.0	2.1	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-20	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<0.24	NM	NM	NM	NM	NM	NM	NM	
MW-20	10/8/1996		0.6	<2	<2	<3	2	<2	NA	NM	NM	NM	NM	NM	NM	NM	
MW-20	4/29/1997		<1.0	<1.0	1.2	<2.0	1.2	6.5	<1.0	NM	NM	NM	NM	NM	NM	NM	
MW-20	11/5/1997		<1.0	<1.0	1.4	<2.0	3	<4.0	NA	0.90	-007	7.9	NM	762	7.36	NM	
MW-20	11/5/1998		<5.0	<5.0	<5.0	<10	<5.0	<20	NA	0.53	NM	8	NM	900	6.86	NM	
MW-20	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	2.86	NM	7.3	NM	NM	NM	NM	
MW-20	8/17/1999		<1.0	1.3	5.8	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-20	4/26/2000		0.520	<0.40	4.92	1.630	5.61	<0.30	NA	0.20	-024	NM	NM	NM	NM	NM	
MW-20	10/10/2000		0.72	0.25	6.5	2.50	7.1	<0.16	17	0.50	030	NM	NM	NM	NM	10.00	
MW-20	8/18/2003		Abandoned														
MW-21	7/11/1989		1970	31	27	50	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-21	8/29/1990		45	<2.0	<2.0	7.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-21	1/31/1991		750	3.0	<1.0	5.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-21	7/10/1991		85	1.0	<1.0	3.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-21	1/8/1992		1570	37	34	78	NA	50	NA	NM	NM	NM	NM	NM	NM	NM	
MW-21	8/18/2000		74	<0.20	<0.22	0.82	<0.29	<0.16	<1.1	5.60	207	NM	NM	NM	NM	<1.0	
MW-21	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	6.36	167	NM	NM	NM	NM	NM	

Table 5
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Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	
MW-21	11/16/2004		Well Damaged														
MW-21	4/19/2005		1.8	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.8	-72	NM	NM	NM	NM	NM	
MW-21	10/12/2005		40	1.1	2.0	2.7	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-21	5/23/2006		2840	82.1	181	161	40.6	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-21	10/22/2006		1300	20.7	40.9	40.4	2.01 J	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-21	4/29/2007		59.3	<1.0	<1.0	<3.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-21	6/26/2007		Abandoned														
MW-22	06/89 to present	The well was not sampled due to the presence of free product.															
MW-23	06/89 to present	The well was not sampled due to the presence of free product.															
MW-24	06/89 to present	The well was not sampled due to the presence of free product.															
MW-25	06/89 to present	The well was not sampled due to the presence of free product.															
MW-26	06/89 to present	The well was not sampled due to the presence of free product.															
MW-27	06/89 to present	The well was not sampled due to the presence of free product.															
MW-28	7/11/1989		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-28	8/29/1990		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	
MW-28	8/29/1990	D	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.5	NM	NM	NM	NM	NM	NM	NM	
MW-28	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-28	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-28	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	
MW-28	6/25/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	
MW-28	10/28/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	
MW-28	4/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	
MW-28	10/28/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	
MW-28	4/5/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	
MW-28	11/15/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	
MW-28	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<0.26	NM	NM	NM	NM	NM	NM	NM	
MW-28	10/8/1996		4	33	18	75	33	<2	NA	NM	NM	NM	NM	NM	NM	NM	
MW-28	4/29/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.0	NM	NM	NM	NM	NM	NM	NM	
MW-28	11/5/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	0.80	043	6.9	NM	111	7.44	NM	

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Former Amoco Terminal
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Sample ID	Sample Date	Analytical Parameters								Bio-Parameters								
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--
MW-28	11/3/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	0.62	NM	8.3	NM	1290	NM	NM	NM	NM
MW-28	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	2.51	NM	8.1	NM	NM	NM	NM	NM	NM
MW-28	8/17/1999		<1.0	<1.0	<1.0	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-28	4/26/2000		<0.15	<0.40	<0.50	<0.55	<0.40	<0.30	NA	0.30	083	NM	NM	NM	NM	NM	NM	NM
MW-28	10/10/2000		<0.13	<0.20	<0.22	<0.23	<0.29	<0.13	<1.1	0.60	253	NM	NM	NM	NM	NM	NM	0.40
MW-28	4/24/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	0.90	213	NM	NM	NM	NM	NM	NM	NM
MW-28	10/23/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	1.50	-006	NM	NM	NM	NM	NM	NM	0.20
MW-28	4/23/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	2.67	136	NM	NM	NM	NM	NM	NM	0.30
MW-28	11/6/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-28	4/15/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.30	177	NM	NM	NM	NM	NM	NM	0.13
MW-28	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.70	105	NM	NM	NM	NM	NM	NM	NM
MW-28	4/20/2004		<1.0	<1.0	<1.0	<3.0	1.1	<4.0	NA	3.31	270	NM	NM	NM	NM	NM	NM	NM
MW-28	11/17/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.70	107	NM	NM	NM	NM	NM	NM	0.10
MW-28	4/19/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.1	50	NM	NM	NM	NM	NM	NM	NM
MW-28	10/12/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.8	-122	NM	NM	1174	7.78	NM	0.2	
MW-28	5/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.1	-100	NM	NM	1098	7.72	NM	0.2	
MW-28	10/22/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	9.9	118	NM	NM	NM	7.22	NM	0.0	
MW-28	4/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.59	95.2	NM	NM	NM	7.13	NM	1.0	
MW-28	9/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.55	51.6	NM	NM	NM	7.42	NM	1.0	
MW-28	5/7/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.06	235.9	NM	NM	NM	6.86	NM	1.0	
MW-28	10/25/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.22	153.3	NM	NM	NM	7.05	NM	0.0	
MW-28	4/20/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-28	10/14/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.28	154	NM	NM	NM	7.57	NM	NM	NM
MW-28	10/27/2010		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-28	10/13/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.09	37	9.35	NM	1354	8.06	NM	NM	NM
MW-28	10/3/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-28	5/7/2013		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	1.74	359.6	9.3	NM	1666	6.89	NM	NM	NM
MW-30S	7/11/1989		2670	282	80	368	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	8/29/1990		1850	293	30	374	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	8/29/1990	D	1700	250	23	280	NA	9.8	150	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	1/31/1991		578	73	3.0	840	NA	160	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	1/31/1991	D	850	100	<25	NA	NA	NA	75	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	7/10/1991		904	59	<1.0	90	NA	160	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	7/10/1991	D	1400	<100	<100	<100	NA	NA	<1.5	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	1/8/1992		68	<1.0	<1.0	10	NA	60	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-30S	1/8/1992	D	130	2.6	<1.0	4.6	NA	NA	2.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/14/1992		28	6	<1.0	1	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/14/1992	D	36	1.3	1.4	3.7	1.3	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	6/25/1993		230	42	2.5	69	12.5	<8.0	3.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/28/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	15	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	4/27/1994		890	35	24	47	28	<20	22	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/28/1994		830	46	43	59	33	<8.0	27	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	4/6/1995		2200	140	70	110	48	<20	190	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	11/15/1995		1800	140	200	220	165	<40	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	4/22/1996		1800	170	150	250	182	<40	100 E	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/8/1996		600	44	68	67	53	43	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/8/1996	D	780	41	67	70	49	61	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	4/29/1997		600	33	62	62	39	33	37	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	11/5/1997		150	5.4	24	17	10.5	7.5	NA	0.90	028	7	NM	432	7.52	NM	NM
MW-30S	11/3/1998		3100	660	300	1400	396	210	NA	0.25	NM	6.5	NM	970	7.03	NM	NM
MW-30S	3/3/1999		3600	580	400	1200	NA	1200	NA	3.05	NM	6	NM	NM	NM	NM	NM
MW-30S	8/17/1999		1500	180	230	310	NA	800	NA	1.00	NM	9.2	NM	NM	NM	NM	NM
MW-30S	4/26/2000		1130	73.9	124	73	60.1	<1.50	NA	0.30	-084	NM	NM	NM	NM	NM	NM
MW-30S	10/10/2000		1100	64	120	73	54	<0.16	100	0.20	099	NM	NM	NM	NM	NM	0.40
MW-30S	4/24/2001	D	1400	87	160	99	73	<0.16	150	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/23/2001		1300	190	200	300	175	<4.9	NA	1.00	170	NM	NM	NM	NM	NM	0.10
MW-30S	4/23/2002		2900	810	300	920	306	<3.2	330	1.53	063	NM	NM	NM	NM	NM	0.20
MW-30S	11/6/2002		1400	140	200	220	164	<4.0	220	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	11/7/2002	D	1300	120	160	170	126	<7.5	170	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	4/15/2003		1900	180	180	320	175	<4.0	NA	0.30	171	NM	NM	NM	NM	NM	0.22
MW-30S	4/15/2003	D	1500	160	160	280	160	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/21/2003		1700	200	180	340	162	<4.0	NA	1.94	-060	NM	NM	NM	NM	NM	NM
MW-30S	10/21/2003	D	1900	280	230	420	207	<40	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	4/20/2004		2700	1700	380	1100	357	150	NA	1.42	120	NM	NM	NM	NM	NM	NM
MW-30S	4/20/2004	D	2800	320	360	700	145	100	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	11/17/2004		1520	410	143	326	223.4	<1.0	<50	1.50	-13	NM	NM	NM	NM	NM	4.00
MW-30S	4/20/2005		2640	656	304	550	298.7	<1.0	390	2.0	169	NM	NM	NM	NM	NM	NM
MW-30S	10/11/2005		1500	120	230	209	187	32	240	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	5/23/2006		1130	36.9	191	<75.0	72.9	<25.0	221	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/24/2006		496	30.5	153	61.9	70.2	<10.0	122	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	4/30/2007		1300	806	183	712	202.9	<1.0	159	NM	NM	NM	NM	NM	NM	NM	NM

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-30S	10/1/2007		1620	1090	263	858	289.2	<10	209	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	5/10/2008		725	88.7	65.1	90	102	<5.0	140	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/28/2008		1110	41.5	86.8	74.7	66.0	<10.0	109	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/18/2011		726	58.2	79.5	89.6	70.5	<1.0	93.4	2.36	-81	6.82	NM	593	8.17	NM	NM
MW-30S	4/17/2012		253	105	66.8	107	36.1	<1.0	NA	3.50	52.2	7.00	NM	778	7.12	NM	NM
MW-30S	10/2/2012		336	45	16.1	44.1	31.1	<2.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/2/2012	D	348	45.9	16.7	44.3	32.2	<2.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	5/7/2013		3230	2180	393	1240	413.6	<5.0	382	3.28	231.3	8.2	NM	969	7.14	NM	NM
MW-30S	10/2/2013		1140	567	133	286	129.8	8.9J	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	5/21/2014		1710	806	190	494	198.3	<2.0	212	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/30/2014		1120	403	158	241	122.9	<4.8	144	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	5/5/2015		1530	578	243	530	215.9	<9.7	241	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/7/2015		1190	415	201	366	176.7	<9.7	211	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	5/24/2016		1230	507	205	363	180.8	<2.4	194	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/5/2016		1420	923	205	740	196.4	<9.7	199	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	6/27/2018		685	126	184	184.7	110.3	18.7	120	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/11/2018		409	118	88.3	113.7	46.1	2.0J	57.3	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	6/5/2019		212	45.2	46.6	47.7	26.7	<1.6	33.6	1.76	220.6	6.8	NM	771	7.79	300	<0.0354
MW-30S	10/3/2019		232	38.8	71.3	86	42.7	1.6J	42.4	1.01	-29.2	7.3	733.2	NM	7.56	NM	NM
MW-30S	5/27/2020		383	175	67	140.8	45.2	<1.6	43.4	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/6/2020		1910	1520	269	1108	217.1	<1.6	188	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	5/26/2021		2510	1950	431	1567	386.7	<3.2	384	NM	NM	NM	NM	NM	NM	NM	NM
MW-30S	10/5/2021		2210	2130	362	1528	327.7	<6.4	309	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	7/21/1994		1500	55	<20	50	NA	NA	190	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/28/1994		2000	110	49	100	42	<20	170	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	4/6/1995		2500	390	300	540	363	<80	180	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	11/15/1995		1500	120	90	100	71	<40	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	4/22/1996		2400	110	89	100	44	<40	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/8/1996		1800	100	73	86	54	180	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	4/29/1997		2000	110	63	110	42	180	120	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	11/5/1997		2300	130	72	110	27	1300	NA	0.40	026	6.7	NM	762	7.55	NM	NM
MW-30D	11/3/1998		2500	100	88	100	<20	180	NA	0.10	NM	6.5	NM	950	6.96	NM	NM
MW-30D	3/3/1999		2500	140	110	150	NA	1700	NA	3.23	NM	5.2	NM	NM	NM	NM	NM
MW-30D	8/17/1999		1600	98	84	100	NA	1600	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	4/26/2000		2180	106	70.5	82.6	33.5	<3.0	NA	0.10	029	NM	NM	NM	NM	NM	NM

Table 5
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Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-30D	10/10/2000		2400	96	83	90	39	<3.2	260	0.40	110	NM	NM	NM	NM	NM	2.00
MW-30D	10/10/2000	D	2400	96	79	85	37	<3.2	240	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/23/2001		720	29	11	39	21	<3.2	NA	1.20	-132	NM	NM	NM	NM	NM	>10
MW-30D	4/23/2002		1600	120	83	96	46	<1.6	270	1.58	017	NM	NM	NM	NM	NM	1.00
MW-30D	11/7/2002		880	32	16	34	16	<2.0	110	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	4/15/2003		1600	62	32	65	16	<40	NA	0.20	-110	NM	NM	NM	NM	NM	>3.30
MW-30D	10/21/2003		1100	51	25	42	18.1	<4.0	NA	1.70	-148	NM	NM	NM	NM	NM	NM
MW-30D	4/21/2004		990	44	34	59	56	<40	NA	2.23	-022	NM	NM	NM	NM	NM	NM
MW-30D	11/17/2004		2140	113	84.9	99.3	37	<1.0	299	0.90	-217	NM	NM	NM	NM	NM	0.90
MW-30D	4/20/2005		671	34.1	21.1	26.2	9.7	<1.0	61.6	1.5	176	NM	NM	NM	NM	NM	NM
MW-30D	10/11/2005		170	13	4.9	16.3	7.4	<1.0	23	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	5/23/2006		2420	84.3	72.9	<150	<50.0	<50.0	241	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/24/2006		2080	102	83	88	23.3 J	<25.0	233	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	4/30/2007		1750	71.9	70.3	71.4	26.8	<1.0	216	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/1/2007		1450	60	53.1	55.4	17.8	<10	153	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	5/10/2008		2170	107	117	105	39.4	<10	312	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/28/2008		2040	105	139	80.2	24	<2.0	186	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/18/2011		1220	81.4	94	67.7	20.2	<1.0	129	0.86	-157	8.03	NM	724	7.96	NM	NM
MW-30D	4/17/2012		1260	52.2	54.7	44.5	24.4	<10.0	NA	3.60	8.9	7.5	NM	973	6.95	NM	NM
MW-30D	10/2/2012		1460	60.2	62.2	58.7	18.3	<10.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	5/7/2013		1350	57.6	47.7	49.2	15.2	<10.0	128	0.31	91.5	8.5	NM	866	7	NM	NM
MW-30D	10/2/2013		1700	88.6	62.6	64.3J	<25.1J	<9.3	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	5/22/2014		1930	107	74.3	63.1	<22.6	<10	190	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/30/2014		2160	120	85.8	77.3	<18.2J	<9.7	161	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	5/5/2015		2120	113	85.4	82.3	24.1J	<12.1	231	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/7/2015		2560	118	80.7	93.3J	<41.7	<24.2	229	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	5/24/2016		2180	90.7	62.7	75.2	16.3J	<4.8	203	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/6/2016		2120	81.2	54.9	65.9	<18.1	<9.7	178	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	6/14/2017		2070	80.1	58.1	70.4	<20.8	25.3	196	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/4/2017		1850	70.9	46.6	64.3	13.3	17.9	202	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	6/27/2018		1930	72.7	59.2	62.4	9.4J	<8.0	200	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/11/2018		1830	68.8	52.3	57.5	<16.8	<8.0	168	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	6/6/2019		1730	64.4	49.8	52.4J	<16.8	<8.0	163	0.95	8.00	6.8	NM	903	8.02	280	<.0354
MW-30D	10/3/2019		1810	64.2	51.3	53.9J	<13.6	<6.4	153	0.94	-52.80	7.3	892.0	NM	7.42	NM	NM
MW-30D	5/28/2020		1790	62.2	62.9	56.8J	<15.4J	<6.4	183	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/6/2020		1870	64.7	60.7	57.8J	<15.2J	<6.4	167	NM	NM	NM	NM	NM	NM	NM	NM

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		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-30D	5/26/2021		1890	63.7	68.5	61.5J	<8.5J	8.2J	196	NM	NM	NM	NM	NM	NM	NM	NM
MW-30D	10/5/2021		1910	62.0	75.4	<59.1	<13.4	<6.4	163	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	6/2/1995		0.5	<0.6	<0.8	<1.3	<0.7	<1.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	8/18/1995		1.2	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	11/15/1995		5.2	7.1	1.6	18	13.2	<4.0	2.9	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	4/22/1996		4.1	<1.0	<1.0	<2.0	<1.0	<4.0	<0.31	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	10/8/1996		33	2	3	6	3	3	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	4/29/1997		430	35	26	49	27.5	26	18	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	11/5/1997		660	45	28	56	35	41	NA	0.50	001	8.1	NM	500	7.01	NM	NM
MW-30DD	11/3/1998		140	7.6	5.7	8.3	4.3	78	NA	1.67	NM	6.3	NM	583	8.55	NM	NM
MW-30DD	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	1.86	NM	6	NM	NM	NM	NM	NM
MW-30DD	8/17/1999		<1.0	<1.0	<1.0	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	4/26/2000		0.444	<0.40	<0.50	<0.55	<0.40	<0.30	NA	0.10	032	NM	NM	NM	NM	NM	NM
MW-30DD	10/10/2000		1.44	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	0.20	113	NM	NM	NM	NM	NM	2.00
MW-30DD	10/23/2001		64	6	3.9	6.9	3.54	0.21	NA	1.30	126	NM	NM	NM	NM	NM	2.00
MW-30DD	4/23/2002		0.84	0.37	0.34	1.0	0.28	<0.16	<1.1	0.64	-137	NM	NM	NM	NM	NM	2.00
MW-30DD	11/7/2002		0.81	0.5	0.49	1.0	0.6	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	4/15/2003		14	4.6	1.4	3.2	<1.0	<4.0	NA	0.20	146	NM	NM	NM	NM	NM	3.00
MW-30DD	10/21/2003		15	1.9	<1.0	<3.0	<1.0	<4.0	NA	0.16	-153	NM	NM	NM	NM	NM	NM
MW-30DD	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.94	015	NM	NM	NM	NM	NM	NM
MW-30DD	11/17/2004		15.1	1.4	<1.0	<3.0	<1.0	<1.0	<1.0	0.80	-183	NM	NM	NM	NM	NM	6.00
MW-30DD	11/18/2004	D	73.7	1.2	<1.0	<3.0	1.3	8.6	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	4/20/2005		17.5	2.2	1.5	<3.0	<1.0	<1.0	5.6	0.2	-001	NM	NM	NM	NM	NM	NM
MW-30DD	4/20/2005	D	18.2	2.2	1.1	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	10/11/2005		1700	86	66	68	16 J	<25	170	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	10/11/2005	D	1400	76	59	59	25.5 J	<10	140	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	5/23/2006		7.5	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	5/23/2006	D	10.1	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	10/24/2006		90.9	4.8	2.4	6.1	2.26 J	<1.0	15.4	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	10/24/2006	D	90.2	4.9	2.3	5.7	2.03 J	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	4/30/2007		2.9	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	4/30/2007	D	2.7	<1.0	<1.0	<3.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	10/1/2007		2.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	5/10/2008		78.0	7.3	1.8	6.6	2.7	<1.0	12.9	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	5/10/2008	D	74.8	7.1	1.8	6.4	2.8	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-30DD	10/28/2008		41.0	3.8	2.2	3.7	<1.0	<1.0	5.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	10/18/2011		50.2	2.6	3.3	7.1	3.5	<1.0	5.9	0.64	-255	7.22	NM	735	8.4	NM	NM
MW-30DD	4/17/2012		<1.0	<1.0	<1.0	<3.0	1.0	<1.0	NA	0.18	-091	7.3	NM	947	7.65	NM	NM
MW-30DD	4/17/2012	D	<1.0	<1.0	<1.0	<3.0	1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	10/2/2012		4.2	<1.0	<1.0	<3.0	1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	5/7/2013		1.1	<1.0	<1.0	<3.0	1.0	<1.0	<4.0	0.07	-39.5	8.9	NM	871	7.62	NM	NM
MW-30DD	10/2/2013		<0.34	<0.34	<0.34	<1.0	<0.37	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	5/24/2016		<0.40	<0.39	<0.39	<1.3	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	6/19/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	6/4/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DD	10/2/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.64	-160.3	7.1	883	NM	8.02	NM	NM
MW-30DDD	6/27/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DDD	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DDD	6/5/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM
MW-30DDD	10/1/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.59	139.3	7.1	950	NM	7.62	NM	NM
P-31D	9/13/2011		<1.0	<1.0	<1.0	<3.0	<1.0	12.5	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	8/6/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	1/8/1992	D	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	10/14/1992	D	<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	6/25/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	10/28/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	4/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	10/28/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	4/6/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	11/15/1995		<1.0	<1.0	<1.0	4.8	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<0.24	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	10/8/1996		0.6	<2	<2	<3	<2.0	<2	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	4/29/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-33	11/5/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	2.40	023	8	NM	528	7.57	NM	NM
MW-33	11/3/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	5.36	NM	6.8	NM	643	7.21	NM	NM
MW-33	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	5.05	NM	6.2	NM	NM	NM	NM	NM
MW-33	8/17/1999		<1.0	<1.0	<1.0	<3.0	NA	<4.0	NA	3.50	NM	8	NM	NM	NM	NM	NM
MW-33	4/26/2000		<0.15	<0.40	<0.50	<0.55	<0.40	<0.30	NA	3.30	123	NM	NM	NM	NM	NM	NM
MW-33	10/10/2000		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	5.00	259	NM	NM	NM	NM	NM	0.40
MW-33	4/24/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	3.00	159	NM	NM	NM	NM	NM	NM
MW-33	10/23/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	6.50	138	NM	NM	NM	NM	NM	0.10
MW-33	4/23/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	3.46	189	NM	NM	NM	NM	NM	0.40
MW-33	11/6/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	4/15/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.70	202	NM	NM	NM	NM	NM	0.02
MW-33	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	4.30	161	NM	NM	NM	NM	NM	NM
MW-33	4/20/2004		<1.0	<1.0	<1.0	<3.0	2.2	<4.0	NA	3.23	232	NM	NM	NM	NM	NM	NM
MW-33	11/17/2004		<1.0	<1.0	<1.0	<3.0	2.2	<4.0	NA	3.20	32	NM	NM	NM	NM	NM	0.00
MW-33	4/20/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.0	213	NM	NM	NM	NM	NM	NM
MW-33	10/11/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	4.60	2.2	NM	NM	491	7.88	NM	0.1
MW-33	10/24/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	34.70	132.1	NM	NM	NM	7.27	NM	1.0
MW-33	4/30/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	5.02	58.8	NM	NM	NM	7.30	NM	0.0
MW-33	9/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	8.80	19.4	NM	NM	NM	7.37	NM	1.0
MW-33	5/9/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.97	184.3	NM	NM	NM	6.60	NM	1.0
MW-33	10/25/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.63	88.4	NM	NM	NM	7.25	NM	0.0
MW-33	10/29/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	10/5/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MW-33	10/4/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	8/6/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/14/1992	D	<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	6/25/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/28/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.7	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	4/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/28/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	4/6/1995		<1.0	<1.0	<1.0	<2.0	2.7	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	11/15/1995		<1.0	9.2	5.1	18	7.4	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<0.24	NM	NM	NM	NM	NM	NM	NM	NM

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-34	10/8/1996		0.6	<2	<2	<3	<2.0	<2	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	4/29/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	11/5/1997		<1.0	<1.0	<1.0	<2.0	<1.0	6.2	NA	1.40	057	7.4	NM	657	7.54	NM	NM
MW-34	11/3/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	3.54	NM	6.7	NM	816	7.18	NM	NM
MW-34	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	4.44	NM	6.7	NM	NM	NM	NM	NM
MW-34	8/17/1999		<1.0	<1.0	<1.0	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	4/26/2000		<0.15	<0.40	<0.50	<0.55	<0.40	<0.30	NA	2.00	153	NM	NM	NM	NM	NM	NM
MW-34	10/10/2000		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	4.20	193	NM	NM	NM	NM	NM	0.20
MW-34	10/24/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	10.70	074	NM	NM	NM	NM	NM	0.10
MW-34	4/23/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	2.46	141	NM	NM	NM	NM	NM	0.10
MW-34	11/7/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	4/15/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	0.70	059	NM	NM	NM	NM	NM	0.0
MW-34	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	3.60	-055	NM	NM	NM	NM	NM	NM
MW-34	4/20/2004		<1.0	<1.0	<1.0	<3.0	2.1	<4.0	NA	1.67	164	NM	NM	NM	NM	NM	NM
MW-34	11/17/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.50	078	NM	NM	NM	NM	NM	0.10
MW-34	4/20/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.1	171	NM	NM	NM	NM	NM	NM
MW-34	10/11/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	5/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/24/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	4/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	9/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	5/7/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/25/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	4/20/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/14/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/27/2010		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/20/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.56	-81	7.28	NM	690	8.3	NM	NM
MW-34	10/2/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/2/2013		<0.34	<0.34	<0.34	<1.0	<0.69	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/2/2013	D	<0.34	<0.34	<0.34	<1.0	<0.69	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/29/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/29/2014	D	<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	10/5/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MW-34	6/3/2019		NM	NM	NM	NM	NM	NM	NM	2.12	280.8	8.59	NM	790	8.59	350	<0.0354
P-34D	9/13/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM

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Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MW-35	8/6/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	6/25/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	10/28/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	4/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	10/28/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	4/6/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	11/15/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<0.24	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	10/8/1996		<0.5	<2	<2	<3	<2.0	<2	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	4/29/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	11/5/1997		2.3	2.3	2.4	6.8	5.2	9.5	NA	2.10	065	2.9	NM	1157	6.73	NM	NM
MW-35	11/3/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	1.26	NM	7.7	NM	1340	6.52	NM	NM
MW-35	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	3.49	NM	6.7	NM	NM	NM	NM	NM
MW-35	8/17/1999		<1.0	<1.0	1.0	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	4/26/2000		<0.15	<0.40	<0.50	0.215	0.6	<0.3	NA	0.10	191	NM	NM	NM	NM	NM	NM
MW-35	10/10/2000		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	0.90	280	NM	NM	NM	NM	NM	0.40
MW-35	4/24/2001		<0.13	<0.20	<0.22	0.340	<0.29	<0.16	NA	2.60	178	NM	NM	NM	NM	NM	NM
MW-35	10/23/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	2.90	-018	NM	NM	NM	NM	NM	0.00
MW-35	4/23/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	3.73	164	NM	NM	NM	NM	NM	0.30
MW-35	11/6/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<0.46	NA	NA	NA	NM	NA	NA	NM	NA
MW-35	4/15/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	0.50	191	NA	NM	NA	NA	NM	0.07
MW-35	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.60	055	NA	NM	NA	NA	NM	NM
MW-35	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.68	224	NA	NM	NA	NA	NM	NM
MW-35	11/17/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.30	153	NA	NM	NA	NA	NM	0.00
MW-35	4/20/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	4.2	120	NA	NM	NA	NA	NM	NM
MW-35	10/12/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.9	-083	NA	NM	1055	7.02	NM	0.2
MW-35	5/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.6	-066	NM	NM	1026	7.40	NM	0.1
MW-35	10/22/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	33	229	NM	NM	NM	6.60	NM	0.0
MW-35	4/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	10.52	184.5	NM	NM	NM	6.73	NM	0.0
MW-35	9/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.15	056.5	NM	NM	NM	6.73	NM	1.0
MW-35	5/7/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	5.15	256.4	NM	NM	NM	6.32	NM	1.0
MW-35	10/25/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.95	163.0	NM	NM	NM	6.42	NM	1.0
MW-35	4/20/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--		--	
MW-35	10/14/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.96	166.0	NM	NM	NM	6.96	NM	NM
MW-35	10/27/2010		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	10/13/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.81	56	7.88	NM	1064	7.76	NM	NM
MW-35	10/3/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	10/2/2013		<0.34	<0.34	<0.34	<1.0	<0.69	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	10/29/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MW-35	10/6/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MW-47	10/4/2016		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
MWT-6	10/23/03		Not sampled due to presence of product											NM			
MWT-6	04/19/04		Not sampled due to presence of product											NM			
MWT-6	11/15/04		Not sampled due to presence of product											NM			
MWT-6	04/18/05		Not sampled due to presence of product											NM			
MWT-6	10/12/2005		340	480	390	1380	680	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MWT-6	05/23/06		Not sampled														
MWT-6	10/16/06		Not sampled due to presence of product											NM			
MWT-6	04/23/07		Not sampled due to presence of product											NM			
MWT-6	09/25/07		Not sampled due to presence of product											NM			
MWT-6	10/30/08		278	208	138	1730	867	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MWT-6	10/03/12		63	31.6	75	548	469	<2.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MWT-6	10/2/2013		49.8	12.80	71.6	325	326	1.7	NA	NM	NM	NM	NM	NM	NM	NM	NM
MWT-6	10/30/2014		52.1	4.4	47.6	247	428	2.0	135	NM	NM	NM	NM	NM	NM	NM	NM
MWT-6	10/6/2015		59.8	14.2	63.0	205	273	2.2	95.8	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2S	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.40	139	NM	NM	NM	NM	NM	NM
MWT-2S	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.14	193	NM	NM	NM	NM	NM	NM
MWT-2S	11/17/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.00	140	NM	NM	NM	NM	NM	0.10
MWT-2S	4/20/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	2.7	209	NM	NM	NM	NM	NM	NM
MWT-2S	10/11/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	5.63	37.5	NM	NM	617	7.85	NM	0.1
MWT-2S	10/25/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	14.8	146.2	NM	NM	NM	7.16	NM	1.0
MWT-2S	5/1/2007		4.1	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	4.39	80.9	NM	NM	NM	7.18	NM	1.0
MWT-2S	9/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	1.95	18.1	NM	NM	NM	7.36	NM	1.0
MWT-2S	5/10/2008		6.2	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	1.85	248.4	NM	NM	NM	6.43	NM	1.0
MWT-2S	10/28/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	2.27	95.9	NM	NM	NM	7.04	NM	0.0
MWT-2S	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.33	<0.51	NM	NM	NM	NM	NM	NM	NM	NM

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		Duplicate (D) or Split (S)	Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
MWT-2S	6/5/2019		NM	NM	NM	NM	NM	NM	NM	5	248.5	6.0	NM	600.1	7.64	280	<0.0354
MWT-2S	10/2/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	3.9	71.5	7.0	453.8	NM	7.52	NM	NM
MWT-2D	10/21/2003		1500	67	11	87	46	<4.0	NA	0.60	047	NM	NM	NM	NM	NM	NM
MWT-2D	4/13/2004		85	7.4	1.0	<3.0	6.0	<4.0	NA	4.04	177	NM	NM	NM	NM	NM	NM
MWT-2D	11/17/2004		1820	92.3	32.0	132	74.2	<1.0	83.2	2.40	127	NM	NM	NM	NM	NM	0.00
MWT-2D	11/18/2004	D	1720	99.8	29.0	132	70.2	67.8	NA	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	4/20/2005		4510	153	158	340	182.8	<1.0	226	0.80	231	NM	NM	NM	NM	NM	NM
MWT-2D	10/11/2005		4700	220	120	300	179	<50	220	1.35	-6.2	NM	NM	828	7.94	NM	0.1
MWT-2D	10/25/2006		5740	273	184	310	187.6	<10.0	245	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	5/1/2007		4790	258	150	337	185.2	<25.0	241	0.52	-116.4	NM	NM	NM	7.06	NM	0.00
MWT-2D	9/29/2007		3910	215	55.3	305	154.9	<25.0	NA	0.16	-4.6	NM	NM	NM	7.18	NM	0.00
MWT-2D	5/10/2008		5060	227	43.6	252	105.3	<25.0	<100	0.55	77.5	NM	NM	NM	6.53	NM	1.00
MWT-2D	10/28/2008		5080	214	41.0	250	102.7	<5.0	72.3	0.79	-36.4	NM	NM	NM	6.96	NM	0.00
MWT-2D	10/17/2011		2800	174	75.0	261	138.5	<1.0	129	0.65	-99	7.33	NM	922	7.94	NM	NM
MWT-2D	4/17/2012		3230	159	137	226	118.7	<25.0	NA	0.31	54.3	7.2	NM	1267	7.19	NM	NM
MWT-2D	10/2/2012		4310	224	275	342	172.7	<20.0	NA	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	5/7/2013		4570	211	264	350	175.9	<50.0	<200	0.58	168.3	7.7	NM	1195	6.97	NM	NM
MWT-2D	5/7/2013	D	4540	222	257	343	173.7	<50.0	<200	0.58	168.3	7.7	NM	1195	6.97	NM	NM
MWT-2D	10/3/2013		3120	173	195	277	122.4	30.3J	NA	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	5/22/2014		3450	219	247	320	209.4	<25.0	347	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	10/30/2014		3400	201	240	366	169.7	28.9J	174	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	5/5/2015		3720	224	277	377	172.2	46.3J	180	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	10/7/2015		3740	232	285	393	199.9	43.1J	215	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	5/25/2016		3670	246	331	398	203.0	92.5	196	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	10/6/2016		3590	228	319	352	193.3	92.8	163	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	6/14/2017		3440	214	331	374	191.2	115	167	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	10/4/2016		3300	194	303	344	181.9	119	160	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	6/27/2018		2970	171	287	312	163.6	190	133	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	6/27/2018	D	3290	185	322	354	186.5	212	157	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	10/12/2018		3100	163	286	303.5	149.4	129	127	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	10/12/2018	D	3210	170	303	326.4J	161.3	134.0	135	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	6/6/2019		2970	147.0	260	256	145.9	197	119	0.88	-92.1	7.0	NM	1322	8.33	330	<0.0354
MWT-2D(Dup3)	6/6/2019		2810	141.0	256	256	141.2	166	119	NM	NM	NM	NM	NM	NM	NM	NM
MWT-2D	10/3/2019		2400	109.0	191	208.8	99.4	115	93	1.01	-14.1	6.7	1301	NM	7.22	NM	NM
MWT-2D(Dup3)	10/3/2019	D	2260	105.0	186	206J	97.2	113	97.1	NM	NM	NM	NM	NM	NM	NM	NM

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		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--			
MWT-2D	5/28/2020		2540	124.0	232	253.1J	116.1	116	109	NM	NM	NM	NM	NM	NM	NM	
MWT-2D(Dup2)	5/28/2020	D	2350	119.0	218	236.4J	112.9	105	108	NM	NM	NM	NM	NM	NM	NM	
MWT-2D	10/7/2020		2550	200	209	277.2	111.1	139	140	NM	NM	NM	NM	NM	NM	NM	
MWT-2D(Dup2)	10/7/2020	D	2290	113	181	210.9	96.5	129	94.1	NM	NM	NM	NM	NM	NM	NM	
MWT-2D	5/27/2021		2610	149	239	278.3J	125.5	115	111	NM	NM	NM	NM	NM	NM	NM	
MWT-2D(Dup2)	5/27/2021		2720	148	246	280.5	132.1	123	115	NM	NM	NM	NM	NM	NM	NM	
MWT-2D	10/5/2021		2520	134	225	253.1	115.8	111	93.6	NM	NM	NM	NM	NM	NM	NM	
MWT-2D(Dup2)	10/5/2021		2500	133	220	248.8J	104.2	102	85.5	NM	NM	NM	NM	NM	NM	NM	
RW-3	11/17/2004		1950	57.4	87.6	86.6	34.7	<5.0	27.6	NM	NM	NM	NM	NM	NM	NM	
RW-3	4/19/2005		741	5.6	16.5	4.5	3.3	<1.0	<1.0	0.8	28	NM	NM	NM	NM	NM	
RW-3	10/12/2005		8800	210	360	258 J	86 J	<120	63 J	NM	NM	NM	NM	NM	NM	NM	
RW-3	5/23/2006		5820	601	309	462	70.7	102	36.3	NM	NM	NM	NM	NM	NM	NM	
RW-3	10/23/2006		2320	66.1	123	85.7	34.6	<10.0	<10.0	NM	NM	NM	NM	NM	NM	NM	
RW-3	4/29/2007		2830	57.2	220	118	21.5	<20.0	<20.0	NM	NM	NM	NM	NM	NM	NM	
RW-3	10/1/2007		5120	123	348	185	55.2	35.9	34.1	NM	NM	NM	NM	NM	NM	NM	
RW-3	5/10/2008		2000	38.7	130	54	19.6	<10.0	<40.0	NM	NM	NM	NM	NM	NM	NM	
RW-3	10/28/2008		4680	52	244	108	22.1	<20	82.4	NM	NM	NM	NM	NM	NM	NM	
RW-3	10/27/2010		6540	464	698	981	166.2	<50	<200	NM	NM	NM	NM	NM	NM	NM	
RW-3	10/13/2011		4560	131	449	625	125.2	13.8	40.5	2.02	-188	9.6	NM	1243	7.95	NM	
RW-3	4/17/2012		4760	89.6	477	625	169.5	<50.0	NA	4.23	-49.4	9.2	NM	1530	7.52	NM	
RW-3	10/3/2012		4670	<50.0	488	327	<50.0	309.0	NA	NM	NM	NM	NM	NM	NM	NM	
RW-3	10/3/2013		5280	66.3	412	220	62.1J	1200.0	NA	NM	NM	NM	NM	NM	NM	NM	
RW-3	10/30/2014		4720	45.8	364	81.3J	51.5J	869	53.6	NM	NM	NM	NM	NM	NM	NM	
RW-3	10/7/2015		4720	78.2	498	529	128.2	588	75.3	NM	NM	NM	NM	NM	NM	NM	
RW-3	10/6/2016		4560	180	607	601	167.6	455	104.0	NM	NM	NM	NM	NM	NM	NM	
RW-7	11/18/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	1.1	NM	NM	NM	NM	NM	NM	NM	
RW-7	4/20/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	0.4	-040	NM	NM	NM	NM	NM	
RW-7	10/12/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	
RW-7	5/23/2006		<1.0	<1.0	<1.0	<3.0	1.3	<1.0	7.8	NM	NM	NM	NM	NM	NM	NM	
RW-7	10/23/2006		<1.0	<1.0	1.3	<3.0	1.6	<1.0	3.4	NM	NM	NM	NM	NM	NM	NM	
RW-7	4/29/2007		NS	NS	NS	NS	NS	NS	NS	NM	NM	NM	NM	NM	NM	NM	
RW-7	6/26/2007		Abandoned														
EW-06	7/28/2011		9440	9600	772	5200	1078	<50.0	396	0.32	-184	9.48	NM	995	7.54	NM	

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters								
			Benzene	Toluene	Ethyl-benzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--
EW-06	10/19/2011		12500	9800	1090	6260	1229	58.4	353	0.23	-196	9.27	NM	988	7.83	NM	NM	
EW-06	4/18/2012		10400	1920	662	3260	991	382	NA	0.69	-4.6	9.4	NM	1501	6.92	NM	NM	
EW-06	5/7/2013		FP	FP	FP	FP	FP	FP	FP	FP	FP	FP		FP	FP		FP	
EW-07	7/28/2011		258	857	490	2350	591	<10.0	159	0.57	-214	9.95	NM	955	7.66	NM	NM	
EW-07	10/19/2011		226	646	307	1330	343.3	<2.0	87.9	0.67	-268	8.97	NM	926	7.89	NM	NM	
EW-07	4/18/2012		615	796	247	969	183.9	<5.0	NA	1.46	-54.7	8.9	NM	1247	7.01	NM	NM	
EW-07	5/7/2013		385	270	334	2240	1254.0	<25.0	199	0.5	-24.9	9.9	NM	1181	6.85	NM	NM	
EW-08	7/28/2011		82.0	1.9	13.4	25	16.8	<1.0	9.2	0.18	-201	9.11	NM	804	7.58	NM	NM	
EW-08	7/28/2011	D	87.2	2.0	14.2	26.3	17.3	<1.0	9.7	0.25	-190	9.46	NM	913	7.87	NM	NM	
EW-08	10/19/2011		234	7.5	53.3	116	98.7	<1.0	45.1	NM	NM	NM	NM	NM	NM	NM	NM	
EW-08	10/19/2011	D	242	8.0	54.3	121	98.2	<1.0	41.2	NM	NM	NM	NM	NM	NM	NM	NM	
EW-08	4/18/2012		466	11.4	193	444	372.3	<5.0	NA	0.86	-31.6	9.3	NM	1187	6.6	NM	NM	
EW-08	4/18/2012	D	448	12.1	190	435	365.4	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	
EW-08	5/7/2013		574	16.7	292	745	615	<5.0	220	0.54	34.4	10	NM	1104	6.74	NM	NM	
EW-08	5/21/2014		4.1	<1.0	1.1	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	
EW-08	10/30/2014		219	3.7	101	122	106	<0.97	91.4	NM	NM	NM	NM	NM	NM	NM	NM	
EW-08	5/5/2015		578	15.8	281	517	395.1	<2.4	241	NM	NM	NM	NM	NM	NM	NM	NM	
EW-08	10/6/2015		57.0	0.40J	16.1	11.3	7.7	<0.48	11.2	NM	NM	NM	NM	NM	NM	NM	NM	
EW-08	10/5/2016		407	9.5	118	141	165.6	<1.9	103	NM	NM	NM	NM	NM	NM	NM	NM	
EW-09	7/28/2011		374	18.7	215	436	317.4	<2.0	188	0.16	-198	8.04	NM	920	7.52	NM	NM	
EW-09	10/19/2011		231	11.1	132	304	268.1	<2.0	135	0.13	-181	8.05	NM	954	7.88	NM	NM	
EW-09	4/18/2012		74.2	2.8	25.0	49.2	60.7	<1.0	NA	0.66	-21.1	7.6	NM	1228	7.26	NM	NM	
EW-09	5/7/2013		34.1	2.6	24.2	19.4	31.2	<1.0	5.0	0.56	75.5	8.2	NM	1042	7.05	NM	NM	
EW-09	5/21/2014		53.4	1.8	11.9	19.7	10.1	<1.0	6.3	NM	NM	NM	NM	NM	NM	NM	NM	
EW-09	5/4/2015		21.0	1.0	3.0	2.2J	<1.31J	0.8J	0.75J	NM	NM	NM	NM	NM	NM	NM	NM	
EW-09	10/5/2016		28.1	2.2	25.5	40.8	38.2	<0.48	26.0	NM	NM	NM	NM	NM	NM	NM	NM	

Table 5
Groundwater Analytical Results - Terminal
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Sample Date	Analytical Parameters								Bio-Parameters							
		Duplicate (D) or Split (S)	Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	milli Volts	°C	µs/cm	µmhos/cm	pH units		ppm
NR 140 ES -->			5	800	700	2000	480	60	100	--	--	--	--	--	--		--
EW-10	7/28/2011		3430	<20.0	<20.0	<60.0	<20.0	<20.0	<80.0	2.28	-143	8.93	NM	1190	7.73	NM	NM
EW-10	10/19/2011		3970	<1.0	2.6	<3.0	<1.0	<1.0	<4.0	0.32	-162	8.45	NM	1130	7.99	NM	NM
EW-10	4/18/2012		1510	<1.0	1.0	<3.0	<1.0	<1.0	NA	1.06	91.4	7.6	NM	1437	7.17	NM	NM
EW-10	5/7/2013		18.3	<1.0	6.0	44.4	48.9	<1.0	4.9	0.93	167.1	8.2	NM	1225	7	NM	NM
EW-10	5/7/2013	D	16.0	<1.0	4.4	34.0	38.7	<1.0	<4.0	0.93	167.1	8.2	NM	1225	7	NM	NM
EW-10	5/21/2014		18.6	<1.0	<1.0	<3.0	<2.0	1.3	<4.0	NM	NM	NM	NM	NM	NM	NM	NM
EW-10	5/4/2015		7.2	<0.39	<0.39	<1.2	<0.84	2.0	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
EW-10	10/5/2016		1.4	<0.39	<0.39	<1.2	<0.84	2.6	<0.42	NM	NM	NM	NM	NM	NM	NM	NM
EW-11	7/28/2011		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM

Notes:

- µg/L = micrograms per liter (equivalent to parts per billion)
- D = Duplicate sample
- 1,2-DCA = 1,2-Dichloroethane
- DRO = Diesel Range Organics
- GRO = Gasoline Range Organics
- FP = The well was not sampled due to the presence of free product
- THC = Total hydrocarbons or total petroleum hydrocarbons as gasoline
- MTBE = Methyl Tertiary Butyl Ether
- NA = Not Analyzed for indicated parameter
- NM = Not Measured
- NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard
- NS = Not Sampled on indicated date
- TMBs = Trimethylbenzenes
- "BOLD TYPE"** = The indicated concentration exceeds the NR 140 ES
- J = Laboratory flag. Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

Note: Bio-Parameters for the 4/29/07 - 4/30/07 sampling event were taken on 4/24/07

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters											
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite	
NR 140 ES-->			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
F	6/20/2011		<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	<2.0	<8.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	9/21/1988		<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	4/27/1989		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	8/29/1990		<2.0	<2.0	<2.0	<4.0	NA	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	8/29/1990	D	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.5	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	1/31/1991		<1.0	<1.0	<1.0	<2.0	NA	<2.0	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	1/31/1991	D	<1.0	<1.0	<1.0	NA	NA	NA	<1.5	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<2.0	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	7/10/1991	D	<1.0	<1.0	<1.0	<1.0	NA	NA	<1.5	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<2.0	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	1/8/1992	D	<1.0	<1.0	<1.0	<2.0	NA	NA	<1.5	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<2.0	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/14/1992	D	<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	6/25/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/28/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	4/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/28/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	4/6/1995		<1.0	<1.0	<1.0	<2.0	1.1	<4.0	<1.5	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	11/15/1995		<1.0	<1.0	<1.0	3.7	2.7	<4.0	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/8/1996		<0.5	<2	<2	<3	2.0	<2	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	4/29/1997		NA	NA	NA	NA	NA	NA	<1	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	11/5/1997		1.8	<1.0	<1.0	<2.0	<1.0	<4.0	NA	2.90	37	7.9	NM	626	7.49	NM	NM	NM	NM	NM	NM
MW-17	11/5/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	4.10	NM	8	NM	775	7.07	NM	NM	NM	NM	NM	NM
MW-17	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	6.35	NM	7	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	8/17/1999		<1.0	<1.0	<1.0	<3.0	NA	<4.0	NA	4.10	NM	9.4	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	4/26/2000		<0.15	0.523	0.653	1.858	1.12	<0.30	NA	4.20	153	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/10/2000		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	3.90	200	NM	NM	NM	NM	NM	NM	0.40	NM	NM	NM
MW-17	4/24/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	5.50	157	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/23/2001		<0.13	<0.20	<0.22	0.47	0.32	<0.16	NA	10.00	156	NM	NM	NM	NM	NM	NM	2.00	NM	NM	NM
MW-17	10/23/2001	D	<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	4/23/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	6.91	277	NM	NM	NM	NM	NM	NM	0.30	NM	NM	NM
MW-17	4/23/2002	D	<0.13	0.25	<0.22	<0.23	<0.29	<0.16	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	11/7/2002		<0.13	0.25	<0.22	<0.23	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	11/7/2002	D	<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	4/15/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	3.60	242	NM	NM	NM	NM	NM	NM	0.0	NM	NM	NM
MW-17	4/15/2003	D	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	6.40	113	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/21/2003	D	<1.0	<1.0	<1.0	<3.0	1.2	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	4/20/2004		<1.0	<1.0	<1.0	<3.0	1.2	<4.0	NA	3.70	215	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	4/20/2004	D	4.0	3.9	1.9	4.8	1.6	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	11/17/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	5.80	128	NM	NM	NM	NM	NM	NM	0.00	NM	NM	NM
MW-17	4/20/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	5.7	181	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/11/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	6.27	31.1	NM	NM	547	7.85	NM	0.1	NM	NM	NM	NM
MW-17	5/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	4.1	039	NM	NM	562	7.62	NM	0.1	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	-	--	--	--	--	--	--	--	--
MW-17	10/24/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	33.4	107	NM	NM	NM	7.17	NM	0.0	NM	NM	NM
MW-17	4/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	7.69	10.7	NM	NM	NM	7.44	NM	1.0	NM	NM	NM
MW-17	9/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	4.25	-13.9	NM	NM	NM	7.43	NM	0.0	NM	NM	NM
MW-17	5/7/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	4.2	114.8	NM	NM	NM	6.74	NM	1.0	NM	NM	NM
MW-17	10/25/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	5.89	22	NM	NM	NM	7.19	NM	0.0	NM	NM	NM
MW-17	4/20/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/17/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.61	-68	8.58	NM	562	8.28	NM	NM	NM	NM	NM
MW-17	10/2/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	5/7/2013		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	6.29	357.2	8.7	NM	635.9	7.08	NM	NM	NM	NM	NM	NM
MW-17	7/30/2014		<0.50	<0.50	<0.50	<1.5	<1.0	<0.17	<2.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/29/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/5/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-17	10/4/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	7/11/1989		3.0	<2.0	<2.0	<4.0	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	8/29/1990		<2.0	32	5.0	29	NA	NA	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	1/31/1991		<1.0	3.0	<1.0	3.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	7/10/1991		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	1/8/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	10/14/1992		<1.0	<1.0	<1.0	<1.0	NA	<20	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	6/25/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	10/28/1993		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	4/27/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	10/28/1994		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	4/6/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	11/15/1995		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	4/22/1996		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	10/8/1996		<0.5	<2	<2	<3.0	<2.0	<2	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	4/29/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	<1.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	11/5/1997		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	0.60	022	7.8	NM	774	7.39	NM	NM	NM	NM	NM
MW-31	11/3/1998		<1.0	<1.0	<1.0	<2.0	<1.0	<4.0	NA	4.35	NM	6.1	NM	853	7.41	NM	NM	NM	NM	NM
MW-31	3/3/1999		<1.0	<1.0	<1.0	<2.0	NA	<4.0	NA	2.33	NM	6.4	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	8/17/1999		<1.0	<1.0	<1.0	<3.0	NA	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	4/26/2000		<0.15	<0.40	<0.50	<0.55	<0.40	<0.30	NA	0.20	124	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	10/10/2000		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	0.30	214	NM	NM	NM	NM	NM	0.40	NM	NM	NM
MW-31	4/24/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	0.60	218	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	10/23/2001		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	NA	0.40	001	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	4/23/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<1.1	1.27	126	NM	NM	NM	NM	NM	0.40	NM	NM	NM
MW-31	11/6/2002		<0.13	<0.20	<0.22	<0.23	<0.29	<0.16	<0.46	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	4/15/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.30	230	NM	NM	NM	NM	NM	0.12	NM	NM	NM
MW-31	10/21/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.50	004	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.52	219	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	11/17/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.00	149	NM	NM	NM	NM	NM	0.00	NM	NM	NM
MW-31	4/20/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.1	89	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	10/11/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.10	20.9	NM	NM	747	7.80	NM	0.1	NM	NM	NM
MW-31	5/23/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.3	033	NM	NM	726	7.65	NM	0.1	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MW-31	10/24/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.1	124	NM	NM	NM	7.13	NM	1.0	NM	NM	NM
MW-31	4/30/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.97	-45.6	NM	NM	NM	7.25	NM	1.0	NM	NM	NM
MW-31	10/11/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.63	43.8	NM	NM	NM	7.34	NM	1.0	NM	NM	NM
MW-31	5/7/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.03	151.2	NM	NM	NM	6.68	NM	1.0	NM	NM	NM
MW-31	10/28/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.81	42.1	NM	NM	NM	7.06	NM	0.0	NM	NM	NM
MW-31	10/14/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.06	16	NM	NM	NM	7.60	NM	NM	NM	NM	NM
MW-31	10/27/2010		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	10/17/2011		<1.0	<1.0	<1.0	<3.1	<1.0	<1.0	NA	2.57	-101	7.83	NM	746	8.18	NM	NM	NM	NM	NM
MW-31	10/2/2012		<1.0	<1.0	<1.0	<3.1	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	5/7/2013		<1.0	<1.0	<1.0	<3.1	<1.0	<2.0	<4.0	1.29	356.4	8.4	NM	827	6.87	NM	NM	NM	NM	NM
MW-31	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-31	10/4/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-32			08/91 to present - The well was not sampled due to the presence of free product.																	
MW-36S	7/26/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	0.35	-9	9.54	NM	809	7.95	NM	NM	NM	NM	NM
MW-36S	10/18/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.1	-48	10.0	NM	852	8.15	NM	NM	NM	NM	NM
MW-36S	4/18/2012		1.1	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.75	69.4	6.2	NM	1200	7.43	NM	NM	NM	NM	NM
MW-36S	5/6/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	1.09	236.0	7.3	NM	964	6.93	NM	NM	NM	NM	NM
MW-36S	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36S	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36S	5/24/2016		<0.40	<0.39	<0.39	<1.3	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36S	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36S	6/5/2019		NM	NM	NM	NM	NM	NM	NM	0.78	188.4	6.3	NM	1024	7.66	340	<0.0354	0.0033J	57	0.24J
GP-36D	6/21/2011		2220	30.6	<10	<30	<10	<10	<40	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	7/26/2011		2290	48.2	8.7	63.3	26.6	<1.0	<4.0	0.17	-244	9.42	NM	951	7.72	NM	NM	NM	NM	NM
MW-36D	10/18/2011		855	23.7	2.5	37.2	16.1	<1.0	NA	0.34	-88	7.48	NM	697	8.31	NM	NM	NM	NM	NM
MW-36D (Dup)	10/18/2011		844	23.0	2.3	36.3	15.5	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	4/18/2012		2270	65.7	14.0	102	49.2	<1.0	NA	0.51	81.7	7.8	NM	1303	7.15	NM	NM	NM	NM	NM
MW-36D (Dup)	4/18/2012		2240	65.0	13.9	101	49.4	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	10/1/2012		2070	51.7	11.1	75.8	23.2	<10.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D (Dup)	10/1/2012		2080	51.9	11.2	77.2	34.7	<10.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	5/7/2013		1390	28.7	<10.0	<30.0	<20.1	<10.0	<40.0	0.40	180.8	9	NM	1187	7.13	NM	NM	NM	NM	NM
MW-36D	10/2/2013		2040	49.7	11.3J	54.9J	23.5J	<7.4	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	5/22/2014		1590	34.2	<10.0	33.7	<20.4	<10.0	<40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	10/30/2014		1840	34.9	9.2J	28.2J	<19.6J	<9.7	<8.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	5/5/2015		1660	30.5	8.3J	<24.9	<16.7	<9.7	<8.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	10/7/2015		1840	31.1	<9.8	<31.2	<20.8	<12.1	<10.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	5/25/2016		1970	37.8	10.2J	<24.9	<16.7	<9.7	<8.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	10/6/2016		1920	35.4	9.1J	<12.5	<8.4	<4.8	<4.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	6/14/2017		1920	39.4	11.4J	<25.0	<16.7	<9.7	<8.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	10/4/2017		1740	33.1	10.0	7.3	3.1	4.0	<2.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	6/27/2018		1820	34.0	10.4J	<19.4	<13.2	<6.4	<10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	10/11/2018		1690	37.3J	11.1J	<24.3	<16.8	<8.0	<12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	6/6/2019		1640	29.4J	8.9J	<19.4	<13.4	11.1J	<10.1	0.57	176.1	6.8	NM	1285	8.24	310	<0.0354	1.11	18.00	<0.095
MW-36D	10/2/2019		1650	29.1	10.1J	<11.1J	<13.4	7.1J	<10.1	0.93	-90.2	7.6	1258.0	NM	7.45	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MW-36D	5/28/2020		1230	14.9J	7.2J	<9.4	<13.4	7.3J	<10.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	10/6/2020		1600	23.7	9.1J	<6.9J	<6.7	9.1J	<5.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	5/26/2021		1600	20.5	8.8J	<6.1J	<6.7	7.4J	<5.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36D	10/5/2021		1360	14.1	7.3J	<5.1J	<6.7	3.5J	<5.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	10/18/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	4/18/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.52	84.1	7.4	NM	992	7.67	NM	NM	NM	NM	NM
MW-36DD	10/1/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	5/6/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	0.32	228.1	7.7	NM	558.7	7.5	NM	NM	NM	NM	NM
MW-36DD	10/1/2013		<0.34	<0.34	<0.34	<1.0	<0.69	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	10/29/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	10/5/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	5/24/2016		<0.40	<0.39	<0.39	<1.3	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	10/4/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	6/19/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	6/4/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-36DD	10/1/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	2.41	-172.2	10.1	915	NM	7.43	NM	NM	NM	NM	NM
GP-37S	6/21/2011		4.4	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP-37D	6/21/2011		3720	87.3	22.1	79.6	18.4	<10	<40	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37S	7/26/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	0.88	-87	8.8	NM	517	8.00	NM	NM	NM	NM	NM
MW-37S	10/18/2011		2.2	<1.0	<1.0	<3.1	<1.0	<1.0	NA	0.43	-90	9.46	NM	708	8.16	NM	NM	NM	NM	NM
MW-37S	4/18/2012		1.1	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.42	86.2	6.2	NM	625	7.74	NM	NM	NM	NM	NM
MW-37S	5/6/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	2.1	234.0	6.1	NM	558.7	7.27	NM	NM	NM	NM	NM
MW-37S	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37S	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37S	5/24/2016		<0.40	<0.39	<0.39	<1.3	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37S	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	7/26/2011		649	17.20	5.90	14.6	<1.0	<1.0	<4.0	0.22	-134	8.65	NM	927	7.89	NM	NM	NM	NM	NM
MW-37D	10/18/2011		290	8.80	2.60	7	<1.0	<1.0	NA	0.4	-79	7.67	NM	968	8.24	NM	NM	NM	NM	NM
MW-37D	4/18/2012		149	4.40	1.50	3.7	<1.0	<1.0	NA	0.55	53.4	7.8	NM	1200	7.39	NM	NM	NM	NM	NM
MW-37D	10/2/2012		871	26.00	8.70	19.3	<5.0	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	5/7/2013		365.0	10.5	<5.0	<15.0	<10.0	<5.0	<20.0	0.48	136.5	8.8	NM	1137	7.30	NM	NM	NM	NM	NM
MW-37D	10/2/2013		1960	63.3	21.3	45.3J	<13.7	<7.4	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	5/22/2014		2230	73.1	23.9	48.3	<10.0	<5.0	<20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	10/30/2014		2240	70.4	21.6J	42.4J	<20.8	<12.1	10.8J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	5/5/2015		2800	96.8	31.7	65.8J	20.8	<12.1	<10.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	10/7/2015		3090	105	32.1J	73.7J	<33.3	<19.4	<17.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	5/25/2016		2990	108	36.3	84.4	13.0J	<4.8	<4.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D (Dup)	5/22/2016	D	2720	96.9	32.0	75.0	11.4J	<4.8	<4.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	10/6/2016		3020	112	35.2	80.3	<20.8	<12.1	<10.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D (Dup)	10/6/2016	D	3380	126	40.1	90.5	<16.7	<9.7	<8.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	6/14/2017		3020	110	35.4J	71.5J	<41.7	<24.2	<21.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D (Dup)	6/14/2017	D	3050	112	34.7J	71.5J	<41.7	<24.2	<21.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	10/4/2017		2730	101	31.9	61.5	<20.8	<12.1	<10.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MW-37D (Dup)	10/4/2017	D	2730	100	31.8	60.5	<20.8	<12.1	<10.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	6/27/2018		2830	98	31.5	58.5	<16.8	<8.0	<12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D (Dup)	6/27/2018	D	2680	91	28.2	53.2J	<16.8	<8.0	<12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	10/12/2018		2450	84.1	27.9	52.5J	<16.8	<8.0	<12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D (Dup)	10/12/2018	D	2050	71	21.7J	42.2J	<16.8	<8.0	<12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	6/6/2019		2310	78	25.8J	44.8J	<16.8	<8.0	<12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D(Dup2)	6/6/2019		1990	66	22.9	41.8J	6.3J	<1.6	<2.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	10/3/2019		2380	72	24.7J	<46.2J	<16.8	<8	<12.6	1.2	-101.1	9.2	1146.0	NM	7.6	NM	NM	NM	NM	NM
MW-37D(Dup2)	10/3/2019	D	2320	70	23.2	<42.7J	<13.2	<6.4	<10.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	5/28/2020		2100	68	23.5J	<44.4J	<16.8	<8	<12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D(Dup2)	5/28/2020	D	2030	64	22.7	40.3J	<6.7	<3.2	<5.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	10/7/2020		2170	74.1	23.4J	<48.9J	<26.8	<12.8	<20.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D(Dup1)	10/7/2020	D	2090	62.9	20.8J	<37.6J	<13.4	<6.4	<10.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	5/27/2021		2200	68.0	24.7J	<43.9J	<16.8	<8.0	<12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D	10/4/2021		2270	69.9	23.9J	<40.9J	<16.8	<8.0	<12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37D (Dup 1)	10/5/2021	D	2250	69.6	23.2	38.1J	<6.7	<3.2	<5.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	10/18/2011		6.9	<1.0	<1.0	<3.0	1.1	<1.0	<4.0	0.49	-253	7.56	NM	766	8.39	NM	NM	NM	NM	NM
MW-37DD	4/18/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.87	19.2	7.7	NM	1102	7.59	NM	NM	NM	NM	NM
MW-37DD	10/1/2012		<1.0	<1.0	<1.0	<3.0	1.2	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	5/6/2013		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	0.42	168.5	7.6	NM	1028	7.65	NM	NM	NM	NM	NM
MW-37DD	10/1/2013		5.3	<0.34	<0.34	<1.0	<1.66	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	5/21/2014		26.5	<1.0	<1.0	<3.0	1.1	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	10/29/2014		109	<0.39	<0.39	<1.2	<1.4J	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	5/5/2015		263	<0.39	<0.39	<1.2	<1.23J	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	10/6/2015		461	<1.6	<1.6	<5.0	<3.4	<1.9	<1.7	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	5/25/2016		667	<1.9	<2.0	<6.2	<4.2	<2.4	<2.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	10/5/2016		932	<1.6	<1.6	<5.0	<3.4	<1.9	<1.7	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	10/12/2017		1060	<7.8	<7.9	<25.0	<16.7	<9.7	<8.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	6/27/2018		1260	<4.9	<3.3	<9.8	<6.7	<3.2	<5.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	10/11/2018		1260	<4.9	<3.3	<9.8	<6.7	<3.2	<5.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	6/6/2019		1050	<4.9	<3.3	<9.9	<6.8	<3.3	<5.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	10/1/2019		1100	<1.6	<3.3	<4.7	<6.7	<3.2	<5.1	1	-228	8	1087	NM	7.48	NM	NM	NM	NM	NM
MW-37DD	5/28/2020		1140	<1.6	<3.3	<4.7	<6.7	<3.2	<5.1	NM	NM									
MW-37DD	10/6/2020		1.4	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	5/26/2021		987	<0.82	<1.6	<2.35	<3.3	<1.6	<2.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DD	10/5/2021		1060	<1.6	<3.3	<4.7	<6.7	<3.2	<5.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DDD	6/27/2018		3.9	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DDD	10/11/2018		2.8	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DDD	6/5/2019		1.8	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-37DDD	10/1/2019		2.2	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.57	-223.5	7.3	921	NM	7.55	NM	NM	NM	NM	NM
GP-38S	6/21/2011		4.3	<2.0	<2.0	<6.0	<2.0	<2.0	<8.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38S	7/26/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	0.36	-172	7.63	NM	934	7.82	NM	NM	NM	NM	NM
MW-38S	10/18/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.61	-201	7.69	NM	961	8.13	NM	NM	NM	NM	NM
MW-38S	4/17/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.66	22	7.1	NM	1337	7.22	NM	NM	NM	NM	NM
MW-38S	5/6/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	0.79	218	8.9	NM	1145	6.76	NM	NM	NM	NM	NM
MW-38S	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38S	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MW-38S	5/24/2016		<0.40	<0.39	<0.39	<1.3	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38S	10/3/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38S	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP-38D	6/21/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	7/26/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	0.84	-354	8.51	NM	884	7.90	NM	NM	NM	NM	NM
MW-38D	10/18/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.37	-256	7.89	NM	939	8.28	NM	NM	NM	NM	NM
MW-38D	4/17/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.76	-2.1	8.0	NM	1233	7.46	NM	NM	NM	NM	NM
MW-38D	10/1/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	5/6/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	0.32	166	8.6	NM	1117	7.03	NM	NM	NM	NM	NM
MW-38D	10/1/2013		<0.34	<0.34	<0.34	<1.0	<0.69	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	10/29/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	10/5/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	5/24/2016		<0.40	<0.39	<0.39	<1.3	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	10/4/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	10/3/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	6/19/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	6/4/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38D	9/30/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.60	-61.4	9.8	1150	NM	7.8	NM	NM	NM	NM	NM
MW-38DD	6/20/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38DD	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38DD	6/4/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-38DD	9/30/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.54	-171.3	7.6	942	NM	7.76	NM	NM	NM	NM	NM
GP-39S	6/23/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP-39D	6/23/2011		<5.0	<5.0	<5.0	<15	<5.0	<5.0	<20	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40S	7/26/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	0.68	-244	7.24	NM	1234	7.48	NM	NM	NM	NM	NM
MW-40S	10/18/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.95	-191	8.78	NM	1510	7.67	NM	NM	NM	NM	NM
MW-40S	4/17/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	7.40	-34	5.7	NM	2099	6.58	NM	NM	NM	NM	NM
MW-40S	5/7/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	1.21	83	6.3	NM	1911	6.34	NM	NM	NM	NM	NM
MW-40S	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40S	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40S	5/24/2016		<0.40	<0.39	<0.39	<1.3	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40S	10/3/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40S	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	7/26/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	1.43	-182	9.13	NM	295	7.87	NM	NM	NM	NM	NM
MW-40D	10/20/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.66	-210	7.86	NM	852	8.24	NM	NM	NM	NM	NM
MW-40D	4/17/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.58	-33	7.9	NM	1170	7.44	NM	NM	NM	NM	NM
MW-40D	10/1/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	5/7/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	0.37	51	8.5	NM	1062	7.34	NM	NM	NM	NM	NM
MW-40D	10/1/2013		<0.34	<0.34	<0.34	<1.0	<0.69	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	10/29/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MW-40D	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D (Dup)	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	10/5/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	5/24/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	10/4/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	10/3/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	6/19/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	6/4/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	9/30/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.65	-121.5	7.6	1105	NM	7.67	NM	NM	NM	NM	NM
MW-40D	5/27/2020		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	10/5/2020		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	5/25/2021		<0.14	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-40D	10/4/2021		<0.14	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41S	7/26/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	0.95	-32	10.2	NM	790	7.85	NM	NM	NM	NM	NM
MW-41S	10/18/2011		<1.0	<1.0	<1.0	<3.1	<1.0	<1.0	NA	2.01	-224	7.78	NM	828	8.34	NM	NM	NM	NM	NM
MW-41S	4/18/2012		3.1	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.8	84	7.1	NM	1111	7.76	NM	NM	NM	NM	NM
MW-41S	5/7/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	0.43	160	7.4	NM	993	7.29	NM	NM	NM	NM	NM
MW-41S	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41S	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41S	5/24/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41S	10/3/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41S	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41S	10/1/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	1.66	-136.2	10.7	1008	NM	7.41	NM	NM	NM	NM	NM
MW-41D	7/26/2011		4.1	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	0.45	-3	7.32	NM	822	7.98	NM	NM	NM	NM	NM
MW-41D	10/18/2011		7.9	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.43	-355	7.93	NM	938	8.25	NM	NM	NM	NM	NM
MW-41D	4/18/2012		2.5	<1.0	<1.0	<3.0	<1.0	<1.0	NA	4.16	102.6	7.9	NM	1229	7.80	NM	NM	NM	NM	NM
MW-41D	10/1/2012		3.4	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	5/7/2013		1.8	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	1.22	171	8.6	NM	1088	7.49	NM	NM	NM	NM	NM
MW-41D	10/2/2013		2.8	<0.34	<0.34	<1.0	<0.69	<0.34	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	5/21/2014		1.6	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	10/29/2014		1.7	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	5/4/2015		3.3	<0.39	<0.39	<1.2	<0.84	<0.78	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	10/6/2015		1.0	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	5/24/2016		12.4	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	10/4/2016		3.0	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	10/4/2017		18.2	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	6/20/2018		12.9	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	10/11/2018		28.4	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	6/5/2019		34.6	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	10/2/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.67	-49	7.2	1028	NM	7.64	NM	NM	NM	NM	NM
MW-41D	5/28/2020		8.3	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	10/5/2020		0.64J	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	5/26/2021		11.2	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41D	10/5/2021		3.8	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41DD	6/27/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41DD	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-41DD	6/4/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
NR 140 ES-->			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
MW-41DD	10/1/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	1.68	-157	7.4	888.00	NM	7.87	NM	NM	NM	NM	NM
P-42D	9/14/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
P-42DD	9/14/2011		<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	<8.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
P-43D	9/14/2011		75.2	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
P-43DD	9/14/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45S	6/14/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45S	10/2/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45S	5/6/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	0.44	45.2	8.1	NM	1065	6.81	NM	NM	NM	NM	NM
MW-45S	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45S	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45S	5/24/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45S	10/3/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45S	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	6/14/2012		2.1	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	10/1/2012		81.8	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	5/6/2013		37.7	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	0.33	104.9	7.7	NM	1234	6.98	NM	NM	NM	NM	NM
MW-45D	10/2/2013		101	<0.34	<0.34	<1.0	<0.69	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	5/21/2014		127	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D (Dup)	5/21/2014		109	<1.0	2.4	<3.0	<2.0	<1.0	12.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	10/30/2014		120	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	5/5/2015		105	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	10/6/2015		128	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	5/25/2016		136	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	10/5/2016		129	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	10/4/2017		144	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	6/27/2018		155	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	10/11/2018		121	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	6/5/2019		106	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	10/2/2019		117	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	1.19	-73.9	8.3	1296	NM	7.63	NM	NM	NM	NM	NM
MW-45D	5/27/2020		77.3	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	10/6/2020		105	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	5/26/2021		94.3	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-45D	10/4/2021		104	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46S	6/14/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46S	10/2/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46S	5/6/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	5.65	228.6	8.9	NM	6718	7.42	NM	NM	NM	NM	NM
MW-46S	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46S	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46S	5/24/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46S	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46S	6/4/2019		NM	NM	NM	NM	NM	NM	NM	0.97	48.6	6.4	NM	691.9	7.84	250	<0.0354	.002J	44.10	0.12J
MW-46S	10/1/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	8.15	-28.4	7.2	1188.0	NM	7.35	NM	NM	NM	NM	NM
MW-46D	6/14/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MW-46D	10/2/2012		<1.0	<1.0	<1.0	5.3	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	5/6/2013		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	0.30	174.2	7.9	NM	1122	7.1	NM	NM	NM	NM	NM
MW-46D	10/1/2013		<0.34	<0.34	0.70J	3.5	NA	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	5/20/2014		<1.0	<1.0	<1.0	4.3	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	10/29/2014		<0.40	<0.39	0.47J	2.4J	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	5/4/2015		<0.40	<0.39	0.47J	2.7J	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	10/5/2015		<0.40	<0.39	0.39J	2.3J	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	5/24/2016		<0.40	<0.39	<0.39	<1.2	<.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	10/4/2016		<0.40	<0.39	<0.39	1.9J	<.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	10/3/2017		<0.40	<0.39	0.41	2.0	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	6/19/2018		<0.31	<0.49	<0.33	1.5J	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	10/9/2018		<0.31	<0.49	0.35J	1.6J	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	6/4/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	0.44	268.9	7.0	NM	1209	7.6	425	<0.0354	0.649	51.1	<0.095
MW-46D	10/1/2019		<0.31	<0.16	<0.33	<1.45	<0.67	<0.32	<0.51	0.64	-196	6.9	764.0	NM	7.25	NM	NM	NM	NM	NM
MW-46D	5/27/2020		<0.31	<0.16	<0.33	<1.25J	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	10/5/2020		<0.31	<0.16	<0.33	<1.35J	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	5/25/2021		<0.14	<0.16	<0.33	<1.45J	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-46D	10/4/2021		<0.14	<0.16	<0.33	1.3J	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48S	10/4/2016		<0.4	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48S	6/13/2017		<0.4	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48S	10/3/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48S	6/19/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48S	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48S	6/4/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	0.76	138.3	7.9	NM	1047	8.08	350	<0.0354	0.0055	88.9	<0.095
MW-48S	10/1/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	2.12	-132.4	7.4	1022	NM	7.23	NM	NM	NM	NM	NM
MW-48D	10/4/2016		125	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48D	6/14/2017		12	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48D	10/3/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48D	6/19/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48D	10/10/2018		<0.31	<0.49	<0.33	<0.98	0.35J	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-48D	6/4/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	1.16	268.9	7.4	NM	1047	8.07	400	<0.0354	0.397	65.30	<0.095
MW-48D	10/1/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.65	-234.9	7.1	995	NM	7.53	NM	NM	NM	NM	NM
MW-49S	10/4/2016		21	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49S	6/13/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49S	10/3/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49S	6/19/2018		1660	33.4	<6.6	<19.4	<13.2	<6.4	<10.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49S	10/10/2018		1970	37.2	1.7J	4.0J	<3.3	<1.6	<2.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49S	6/6/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49S	10/1/2019		15.5	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	4.49	171.8	8.8	792	NM	7.08	NM	NM	NM	NM	NM
MW-49S	5/27/2020		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49S	10/5/2020		6.4	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49S	5/25/2021		2.8	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49S	10/4/2021		0.32J	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49D	10/4/2016		14.8	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49D	6/13/2017		1.0	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49D	10/4/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49D	6/19/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MW-49D	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49D	6/4/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-49D	10/11/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.75	-30.5	7.6	1068	NM	7.53	NM	NM	NM	NM	NM
MW-50D	6/20/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-50D	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-50D	6/3/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-50D	9/30/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	1.33	-75.10	6.90	1174.00	NM	7.55	NM	NM	NM	NM	NM
MW-51D	6/20/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-51D	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-51D	6/3/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-51D	9/30/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	1.84	-89.1	7.4	1165	NM	7.7	NM	NM	NM	NM	NM
MW-52D	6/19/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-52D	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-52D	6/3/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	0.46	197.4	7.79	NM	1038	7.79	360	<0.0354	0.81	35.80	<0.095
MW-52D	9/30/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	1.50	-70.1	8.1	1028	NM	7.4	NM	NM	NM	NM	NM
MW-52DD	6/19/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-52DD	10/9/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MW-52DD	6/3/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	0.34	237.9	7.6	NM	904	8.2	500	<0.03540	0.13	<5.0	<0.095
MW-52DD	9/30/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.52	49.3	7.7	904	NM	7.86	NM	NM	NM	NM	NM
MWAST-3	10/22/2003		1100	420	140	460	172	<4.0	NA	1.1	207	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	4/21/2004		790	240	98	280	111	72	NA	4.4	165	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	11/18/2004		85.1	23	6.1	28.9	12.6	<4.0	NA	4.2	19	NM	NM	NM	NM	NM	0.0	NM	NM	NM
MWAST-3	4/20/2005		374	22.1	6.7	32.3	17.4	<1.0	NA	1.4	212	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	10/11/2005		180	30	21	47.1	22.9	3.5	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	10/26/2006		650	121	<10.0	103	71.1	<10.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	5/1/2007		657	118	59.0	108	47.0	<20.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	10/2/2007		578	86	39.0	63.6	31.3	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	5/9/2008		528	155	8.7	72.4	20.8	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	10/30/2008		223	12.8	1.6	7.7	2.5	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	10/12/2011		521	181	47.0	88.2	28.1	<1.0	13	1.2	-103	7.6	NM	647	8.07	NM	NM	NM	NM	NM
MWAST-3	10/2/2012		207	49.9	17.8	37.9	16.7	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	6/20/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-3	6/3/2019		NM	NM	NM	NM	NM	NM	NM	0.33	273.6	6.3	NM	631.2	7.57	330	<0.0354	0.0077	27.4	0.24J
MWAST-8	10/22/2003		12000	1100	890	1100	430	<4.0	NA	1.9	211	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-8	4/21/2004		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-8	11/18/2004		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-8	4/20/2005		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-8	10/11/2005		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-8	10/26/2006		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-8	5/1/2007		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-8	6/27/2018		2840	514	596	1633	798	<12.8	260	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-8	6/27/2018	D	2210	356	453	1246	660	<12.8	198	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-8	6/6/2019		NM	NM	NM	NM	NM	NM	NM	0.95	164.7	7.2	NM	614	7.2	360	<0.0354	0.362	<5.0	0.10J
MWAST-9	10/22/2003		1400	1300	170	550	141	<4.0	NA	1.5	212	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MWAST-9	4/21/2004		160	110	13	33	8.3	7.7	NA	6.52	169	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-9	11/18/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	3.90	-018	NM	NM	NM	NM	NM	0.0	NM	NM	NM
MWAST-9	4/20/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	5.0	216	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWAST-9	10/11/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	4.65	-023	NM	NM	569	7.78	NM	1.0	NM	NM	NM
MWAST-9	10/26/2006		80.0	71.3	6.8	39.3	11.9	<1.0	NA	64.80	141	NM	NM	NM	NM	NM	0.0	NM	NM	NM
MWAST-9	5/1/2007		11.5	9.0	<1.0	<3.0	<1.0	<4.0	NA	7.62	9.8	NM	NM	NM	7.12	NM	1.0	NM	NM	NM
MWAST-9	10/2/2007		53.4	32.9	3.1	13.9	4.6	<1.0	NA	2.70	29.3	NM	NM	NM	7.30	NM	NM	NM	NM	NM
MWAST-9	5/9/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.73	224.4	NM	NM	NM	6.52	NM	1.0	NM	NM	NM
MWAST-9	10/30/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.08	54.3	NM	NM	NM	7.13	NM	0.0	NM	NM	NM
MWAST-9	10/12/2011		20.4	3.2	<1.0	<3.0	4.5	<1.0	<4.0	0.11	-1	7.8	NM	508	8.26	NM	NM	NM	NM	NM
MWAST-9	10/2/2012		93.2	98.7	7.0	49.9	11.5	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2	10/22/2003		720	18	25	8.4	4.8	<4.0	NA	5.7	243	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2	4/21/2004		20	<1.0	<1.0	<3.0	<1.0	<4.0	NA	4.20	234	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2	11/18/2004		Well Bent/Damaged																	
MWM-2	4/20/2005		Well Bent/Damaged--Repaired in Aug 2005																	
MWM-2	10/11/2005		0.76 J	<1.0	<1.0	0.74 J	<1.0	<1.0	NA	6.76	34.4	NM	NM	840	7.33	NM	2.0	NM	NM	NM
MWM-2	10/25/2006		1980	52.2	54.5	32.8	10.7	<1.0	NA	22.70	135	NM	NM	NM	NM	NM	0.0	NM	NM	NM
MWM-2	5/1/2007		3.6	<1.0	<1.0	<3.0	<1.0	<4.0	NA	4.29	26.4	NM	NM	NM	6.97	NM	1.0	NM	NM	NM
MWM-2	10/2/2007		5.2	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.13	17.6	NM	NM	NM	7.00	NM	0.0	NM	NM	NM
MWM-2	5/9/2008		708	23.0	35.3	<15.0	<5.0	<5.0	NA	0.67	136.5	NM	NM	NM	6.48	NM	0.0	NM	NM	NM
MWM-2	10/29/2008		183	7.0	9.5	3.8	<1.0	<1.0	NA	1.34	30.0	NM	NM	NM	6.96	NM	0.0	NM	NM	NM
MWM-2	10/12/2011		1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.78	-50.0	7.8	NM	827	8.00	NM	NM	NM	NM	NM
MWM-2	10/2/2012		244	19.9	14.5	7.4	4	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2	10/1/2013		523	13.1	22.4	5.8J	<3.5	<1.9	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2	10/30/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	0.53J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2	10/5/2015		12.8	0.49J	0.86J	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2	10/4/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2	6/5/2019		NM	NM	NM	NM	NM	NM	NM	1.49	254.4	7	NM	882	7.47	370	<0.0354	0.02	78.70	<0.095
MWM-2D	10/4/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2D	6/13/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2D	10/3/2017		<0.40	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2D	6/19/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2D	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2D	6/5/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	0.5	231	7.0	NM	1012	7.51	350.00	<0.0354	0.5	91.5	<0.095
MWM-2D	10/2/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.65	-71.2	7.0	1013.0	NM	7.76	NM	NM	NM	NM	NM
MWM-2D	5/27/2020		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2D	10/5/2020		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2D	5/26/2021		<0.14	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-2D	10/4/2021		<0.14	0.26J	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-4	10/22/2003		<1.0	<1.0	3.3	<3.0	2.8	<4.0	NA	3.6	240	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-4	4/21/2004		1.2	<1.0	1.4	<3.0	<1.0	<4.0	NA	6.43	217	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-4	11/18/2004		Well Bent/Damaged																	
MWM-4	4/20/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.6	204	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-4	10/11/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.45	13.3	NM	NM	692	7.69	NM	2.0	NM	NM	NM
MWM-4	10/26/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	25.80	107.4	NM	NM	NM	NM	NM	0.0	NM	NM	NM
MWM-4	5/1/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.08	-7.7	NM	NM	NM	7.48	NM	1.0	NM	NM	NM
MWM-4	10/2/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.36	33.3	NM	NM	NM	7.26	NM	0.0	NM	NM	NM
MWM-4	5/9/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	3.12	246.1	NM	NM	NM	6.58	NM	1.0	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MWM-4	10/30/2008		1.0	<1.0	3.4	3.7	2.5	<1.0	NA	2.11	68.9	NM	NM	NM	7.12	NM	0.0	NM	NM	NM
MWM-4	10/12/2011		1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.09	-6.0	8.3	NM	639	8.13	NM	NM	NM	NM	NM
MWM-6	10/31/2014		3.3	<0.39	24.3	25.9	88.3	4.2	5.9	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-6	5/6/2015		3.2	1.3	7.7	16.2	22.3	0.81J	3.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7	10/22/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.1	210	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7	4/21/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.34	202	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7	11/18/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.30	63	NM	NM	NM	NM	NM	0.0	NM	NM	NM
MWM-7	4/20/2005		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	2.4	222	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7	10/11/2005		0.25 J	<1.0	<1.0	<3.0	<1.0	<1.0	NA	6.30	43.0	NM	NM	800	7.39	NM	0.3	NM	NM	NM
MWM-7	10/25/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	9.80	133.4	NM	NM	NM	NM	NM	1.0	NM	NM	NM
MWM-7	5/1/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.65	3.4	NM	NM	NM	7.15	NM	1.0	NM	NM	NM
MWM-7	9/29/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.33	33.0	NM	NM	NM	7.06	NM	0.0	NM	NM	NM
MWM-7	5/9/2008		3.7	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.61	236.3	NM	NM	NM	6.45	NM	1.0	NM	NM	NM
MWM-7	10/28/2008		6.8	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.88	76.6	NM	NM	NM	6.82	NM	0.0	NM	NM	NM
MWM-7	10/12/2011		2.6	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.89	-4.0	8.5	NM	781	7.93	NM	NM	NM	NM	NM
MWM-7	10/2/2012		3.6	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7	10/1/2013		2.1	<0.34	<0.34	<1.0	<0.69	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7	10/29/2014		0.60J	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7	10/6/2015		8.8	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7	10/5/2016		4.0	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/14/2009		2340	96	67	97.2	30.3	<1.0	<4.0	1.2	122	NM	NM	NM	7.82	NM	NM	NM	NM	NM
MWM-7D	4/29/2010		1860	82.4	55.1	72.4	16.5	<10.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	4/29/2010		1870	81.9	51.6	71.7	<20.0	<20.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/27/2010	D	2200	122	84.2	111	35.1	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	4/26/2011		2180	104	75.9	113	22.5	<20.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/12/2011		667	3.7	<1.0	38.1	4.4	<1.0	NA	0.56	-210	8.6	NM	1069	8.10	NM	NM	NM	NM	NM
MWM-7D	4/17/2012		731	28.3	18.0	29.1	10.7	<1.0	NA	0.87	4.6	7.8	NM	1397	7.69	NM	NM	NM	NM	NM
MWM-7D	10/2/2012		1600	78.6	59.2	74.7	28.9	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/2/2012	D	1430	62.3	46.9	59.0	16.8	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	5/6/2013		1400	53.5	38.5	52.6	18.2	<10.0	<40.0	0.30	90.5	8.4	NM	1276	7.35	NM	NM	NM	NM	NM
MWM-7D	10/3/2013		1210	43.2	35	34.9J	<19.5J	<7.4	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	5/21/2014		1170	38.9	33.6	31.1	<21.7	<10.0	<40.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/30/2014		1370	39.3	34.4	35.6	<13.9J	<4.8	8.2J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	5/5/2015		1630	36.7	33.7	30.5J	<16.7	<9.7	<8.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/6/2015		1890	44.3	40.2	39.7J	<20.8	<12.1	<10.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	5/25/2016		1760	39.8	36.3	37.2	8.3	<2.4	<2.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/5/2016		1980	45.1	42.3	40.2	<12.0J	<4.8	<4.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	6/14/2017		2010	43.7	45.4	47.2J	<33.3	<19.4	<17.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/4/2017		1980	42.3	46.5	47.8	<33.3	<19.4	<17.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	6/27/2018		2100	41.1	46.6	44.9	<13.2	<6.4	<10.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/12/2018		2250	43.5	50.4	48.8	<13.4	<6.4	<10.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/12/2018	D	2290	45.6	52.8	53.8J	<16.8	<8.0	<12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	6/6/2019		2110	42.3	48	48.9	<13.4	<6.4	<10.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/3/2019		2270	43.1	50.6	<55.8	<14.2J	<6.4	<10.1	0.73	-96.6	9.1	1310	7.52	NM	NM	NM	NM	NM	
MWM-7D	5/28/2020		1950	38	46	<48.5	<13.4	<6.4	<10.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	10/6/2020		2410	44.8	53.5	<47.2	<13.4	<6.4	<10.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D	5/27/2021		2710	59.5	67.8	<70.2	<16.2J	<6.4	<10.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-7D (Dup-1)	5/27/2021	D	2460	74.1	28.5	49.0J	<6.7	<3.2	<5.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ppm	mV	°C	us/cm	umhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MWM-7D	10/5/2021		2650	58.7	65	<62.9	<16.3J	<6.4	<10.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9	10/22/2003		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.2	183	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9	4/20/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.57	235	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9	11/18/2004		Well Abandoned																	
MWM-9RS	10/14/2009		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<4.0	2.1	183	NM	NM	NM	7.53	NM	NM	NM	NM	NM
MWM-9RS	10/27/2010		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RS	10/12/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.8	-98	8.1	NM	847	8.11	NM	NM	NM	NM	NM
MWM-9RS	10/2/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RS	10/2/2013		<0.34	<0.34	<0.34	<1.0	<0.69	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RS	10/29/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RS	10/5/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RS	10/4/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RS	6/5/2019		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	<0.0354	.005J	71.90	1.20
MWM-9RD	10/14/2009		4790	295	207	327	163.9	<1.0	37.2	1.5	139	NM	NM	NM	7.42	NM	NM	NM	NM	NM
MWM-9RD	4/29/2010		5520	309	248	366	129	<50.0	<200	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/27/2010		4980	292	272	376	205.8	<25.0	<100	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	4/26/2011		5540	318	328	469	228.5	<50.0	<200	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	4/26/2011		5230	299	300	373	164	<50.0	<200	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/12/2011	D	3440	153	44.4	206	50.1	<1.0	<4.0	0.46	-148	8.5	NM	924	7.89	NM	NM	NM	NM	NM
MWM-9RD	4/17/2012		4300	226	198	264	85.7	<50.0	NA	0.53	52.7	8.2	NM	1224	7.14	NM	NM	NM	NM	NM
MWM-9RD	10/2/2012		4650	262	270	356	190.4	<25.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	5/8/2013		3040	113	44.4	185	127.8	<5.0	<20.0	0.5	7	8.1	NM	1127.0	327.10	NM	NM	NM	NM	NM
MWM-9RD	10/3/2013		3060	177	202	248	140.8J	<14.8	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	5/22/2014		3190	188	225	258	157.1	<20.0	<80.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/30/2014		3350	204	252	322	195	<24.2	70.4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	5/5/2015		3020	164	225	269	151.8J	<19.4	42.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/7/2015		2980	152	215	253	141.8J	<24.2	34.1J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	5/25/2016		2620	136	194	250	140.8	<4.8	39.4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/6/2016		2750	141	229	399	140.5	<9.7	36.3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	6/14/2017		2690	117	197	233	125.4	25.2	37.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/4/2017		2470	103	189	222	123.7	46.4	50.7	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	6/27/2018		2470	102	163	209	112.4	116	27.5J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	6/27/2018	D	2380	105	169	230.4	125.3	123	45.8	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/12/2018		2400	101	149	208	112	165	48.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/12/2018	D	2380	94.9	144	198	110.5J	163	48.9J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	6/6/2019		2140	82.9	111	159	89.1	224	34.4J	1.31	55.4	8.3	NM	1210	7.74	290	<0.0354	1.25	14.4J	<0.095
MWM-9RD (DUP1)	6/6/2019		2060	79	108	157	85.1	212	34.7J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/3/2019		2090	71.2	100	<153.8	79.3J	341	31J	0.6	-48.3	8	1220	NM	7.19	NM	NM	NM	NM	NM
MWM-9RD (DUP1)	10/3/2019	D	2170	71	102	<157	78.7J	353	33.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	5/28/2020		2090	56.9	105	<152.8	76.1	348	37.7J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/7/2020		2290	58.1	108	157.1J	72.9J	315	36.0J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	5/27/2021		2130	47.1	95.3	<147.8	67J	368	50.9	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-9RD	10/5/2021		2350	43.3	70.7	<130.8	62.2J	480	49.5	NM	NM	N	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10S	10/27/2010		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10S	4/26/2011		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10S	10/18/2011		<2.0	<2.0	<2.0	<6.0	<2.0	<2.0	<2.0	0.6	-230	9	NM	1342	7.73	NM	NM	NM	NM	NM
MWM-10S	10/2/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

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Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MWM-10S	10/1/2013		<0.34	<0.34	<0.34	<1.0	<0.69	<.37	NA	NM	NM	NN	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10S	10/29/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10S	10/5/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	0.43J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10S	10/4/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	4/29/2010		1230	23.1	<10.0	<30.0	<10.0	<10.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/27/2010		960	19.6	<5.0	18	<5.0	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	4/26/2011		44.8	1.0	<1.0	3.2	1.3	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/18/2011		289	6.5	1.4	9.9	2	<1.0	NA	0.46	-305	7.51	NM	869	8.11	NM	NM	NM	NM	NM
MWM-10D	4/17/2012		785	18.7	3.7	17	3.2	<1.0	NA	0.67	-7.6	8.1	NM	1093	7.65	NM	NM	NM	NM	NM
MWM-10D	10/2/2012		1180	25	<10.0	<30.0	<10.0	<10.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	5/6/2013		497	10.2	<5.0	<15.0	<10.0	<5.0	<20.0	0.3	80	8	NM	982	7.25	NM	NM	NM	NM	NM
MWM-10D	5/6/2013	D	507	9.9	1.8	10.2	2.8	<1.0	<4.0	0.3	80	8	NM	982	7.25	NM	NM	NM	NM	NM
MWM-10D	10/3/2013		845	18.8	5.5J	18.4J	<8.4J	<3.7	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	5/21/2014		925	23.5	<5.0	19.9	<10.0	<5.0	<20.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/30/2014		914	19.1	4.0J	13.6J	<4.2	<2.4	<2.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/30/2014	D	869	18.5	<3.9	15.7J	<8.4	<4.8	<4.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	5/5/2015		1010	22.6	4.3J	16.2J	<8.4	<4.8	<4.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/6/2015		874	19.0	<3.9	14.5J	<8.4	<4.8	<4.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	5/25/2016		883	19.3	4.9J	14.3J	4.3J	2.6J	3.1J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/5/2016		908	18.1	5.3J	13.6J	<8.4	<4.8	<4.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	6/14/2017		1080	25.9	6.7J	20.3	<8.4	<4.8	9.5J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/4/2017		977	23.6	6.9	20.5	<8.4	11.2	12.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	6/27/2018		1110	28.6	6.6J	18.3J	<6.7	<3.2	5.7J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/11/2018		1140	27.8	7.8J	22.5	<6.7	5.7J	7.0J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	6/6/2019		1010	20.5	6.4J	17.2J	3.8J	<3.2	9.7J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/3/2019		1200	26.5	8.5J	<25.5	<7.9J	<3.2	11.3J	0.74	-107	8.7	1049	NM	7.23	NM	NM	NM	NM	NM
MWM-10D	5/28/2020		1100	25.9	8.4J	<26	<6.8J	6.3J	11.5J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/6/2020		1150	25.0	7.8J	<25.2	<6.7	5.4J	9.7J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	5/26/2021		1500	33.9	10.9	<34.8	9.0J	8.1J	17.7	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWM-10D	10/5/2021		1380	33.2	10.8	38.3J	9.8J	8.9J	13.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RWAST-1	10/5/2016		5420	1530	642	1220	303.8	<24.2	153	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RWAST-1	6/27/2018		2270	1200	557	1305	259.2	<16.0	104	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
RWAST-1	6/6/2019		NM	NM	NM	NM	NM	NM	NM	0.38	133	7.3	NM	837	7.53	490	<0.0354	1.49	<5.0	<0.095
RWAST-2	4/29/2010		1460	638	433	1399	590	21.1J	149	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-1	6/27/2018		6850	1740	859	2714	769	<40.0	303	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-1	6/6/2019		NM	NM	NM	NM	NM	NM	NM	0.87	56.3	7.7	NM	1327	7.69	360	<0.0354	0.654	<5.0	<0.095
LRMW-6	4/15/2003		2400	280	1100	2400	499	<20	140	0.3	-071	NM	NM	NM	NM	NM	1.55	NM	NM	NM
LRMW-6	4/15/2003	D	2100	300	1300	2500	560	<80	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	10/22/2003		2500	300	1300	2400	510	<20	130	1.3	-094	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	10/22/2003	D	2400	300	1400	2400	540	<40	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	4/21/2004		3100	340	1500	2800	650	<1.0	190	1.82	066	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	4/21/2004	D	2500	350	1400	2600	660	<40	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	11/18/2004		1740	148	656	1080	258	<10	55.7	0.80	-078	NM	NM	NM	NM	NM	4.0	NM	NM	NM
LRMW-6	11/18/2004	D	48.4	<10.0	12.7	28.6 J	175.9	<40.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	4/20/2005		2190	277	972	2020	571	<5.0	118	1.5	-13	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	4/20/2005	D	2590	286	1160	2090	579	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ppm	mV	°C	us/cm	umhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
LRMW-6	10/11/2005		1500	210	1000	1500	660	11	120	1.22	-88.2	NM	NM	1146	7.49	NM	2.0	NM	NM	NM
LRMW-6	10/11/2005	D	1500	210	1000	1500	660	11	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	10/25/2006		1640	175	1410	2010	866	<10.0	143	8.60	-147.4	NM	NM	NM	NM	NM	10.0	NM	NM	NM
LRMW-6	10/25/2006	D	1660	183	1450	2070	904	<10.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	5/1/2007		1820	207	1420	2160	655	<20.0	140	0.47	-183.6	NM	NM	NM	6.88	NM	10.0	NM	NM	NM
LRMW-6	5/1/2007	D	1490	187	1180	1870	582	<20.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	10/1/2007		1690	187	1310	1940	804	<20.0	125	0.04	-55.4	NM	NM	NM	6.85	NM	10.0	NM	NM	NM
LRMW-6	5/9/2008		1860	200	1500	2380	911	<10.0	167	0.49	-73.1	NM	NM	NM	6.63	NM	NM	NM	NM	NM
LRMW-6	5/9/2008	D	1900	226	1510	2300	954	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	10/30/2008		1820	203	1380	2310	924	<1.0	NA	1.29	-71.50	NM	NM	NM	6.84	NM	10.0	NM	NM	NM
LRMW-6	10/14/2009		1500	170	1300	1940	730.1	<10.0	127	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	4/29/2010		2210	266	1650	2850	822.0	<10.0	177	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	10/27/2010		1560	190	1520	2230	970.0	<10.0	140	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	4/26/2011		1570	196	1660	2540	1162	<10.0	152	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	10/12/2011		1620	181	1300	1860	844	<10.0	108	0.56	-191	9.77	NM	1203	7.86	NM	NM	NM	NM	NM
LRMW-6	4/17/2012		1470	197	1190	2210	620	<10.0	NA	3.04	-19.5	8.3	NM	1478	6.91	NM	NM	NM	NM	NM
LRMW-6	10/2/2012		2070	248	1420	2390	757	<10.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	10/5/2016		1130	141	1310	1340	886	<9.7	116	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	6/20/2018		1060	143	1290	1519	835	8.4J	127	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-6	6/6/2019		NM	NM	NM	NM	NM	NM	NM	0.86	37.1	7.1	NM	1874	8.16	430	<0.0354	1.26	<5.0	0.095
LRMW-8	7/28/2011		1460	388	132	343	310	<10.0	<40.0	0.47	-132	9.1	NM	440	7.69	NM	NM	NM	NM	NM
LRMW-8	10/17/2011		815	333	164	509	300	<1.0	46.8	0.88	-179	8.82	NM	862	8.2	NM	NM	NM	NM	NM
LRMW-9	7/30/2014		1820	701	142	315	76	<3.5	<50.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-9	10/31/2014		1490	499	123	240	73.8	5.2J	18.9	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-9	5/5/2015		1850	681	162	314	88.4	<9.7	26.3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-9	5/25/2016		2000	661	171	325	105.5	<2.4	23.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-9	6/27/2018		2270	713	178	367	137.5	<12.8	31.0J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-9	6/6/2019		NM	NM	NM	NM	NM	NM	NM	0.33	97.6	7.4	NM	789	7.07	310	.0959J	1.48	7.5J	<0.095
TW-1	6/10/2020		379	23.3	23.7	400.7	107.6	5.9	7.9	0.12	-363.9	11.42	917.31	NM	6.77	NM	NM	NM	NM	NM
LRMW-10	7/30/2014		3060	4920	1450	4710	1871	<17.4	619	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
LRMW-10	5/6/2015		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TW-2	6/10/2020		7050	3220	841	1903	401.9	<16.0	125	0.14	-461.7	10.2	974.17	NM	6.95	NM	NM	NM	NM	NM
MWRR-1	10/22/2003		57	1.2	<1.0	<3.0	<1.0	<4.0	NA	2.7	223	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	4/21/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.78	183	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	11/18/2004		306	1.7	<1.0	1.6 J	<1.0	<4.0	NA	1.80	058	NM	NM	NM	NM	NM	0.0	NM	NM	NM
MWRR-1	4/20/2005		6.7	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.5	45	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	10/11/2005		0.29 J	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	10/24/2006		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	5/1/2007		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	10/1/2007		316	13.9	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	5/9/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	10/29/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	10/12/2011		<1.0	<1.0	<1.0	<3.1	<1.0	<1.0	NA	1.1	-135	10	NM	608	8	NM	NM	NM	NM	NM
MWRR-1	10/2/2012		154	2.4	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	10/3/2013		216	0.93J	<0.34	<1.0	<0.69	0.44J	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ppm	mV	°C	us/cm	umhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MWRR-1	5/5/2015		29.8	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	10/6/2015		164	0.89J	<0.39	<1.2	<0.84	0.61J	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1	10/5/2016		<0.4	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1D	6/28/2018		50.6	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1D	7/25/2018		460	7.0J	<1.6	4.8J	<3.3	<1.6	<2.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1D	10/11/2018		510	7.2J	<3.3	4.7J	<6.7	<3.2	<5.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1D	6/5/2019		451	7	<0.33	4.1	<0.67	2.8	<0.51	0.79	143.2	7.7	NM	1299	7.32	310	<0.0354	0.522	43.3	<0.095
MWRR-1D	10/2/2019		464	7.3	<3.3	<8.4	<6.7	<3.2	<5.1	0.89	-56.4	8.2	1245.0	NM	7.64	NM	NM	NM	NM	NM
MWRR-1D	5/27/2020		391	6.8	<1.6	<6.9	<3.3	2.7J	<2.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1D	10/6/2020		229	3.6J	<1.3	<3.8J	<2.7	<1.3	<2.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1D	5/25/2021		444	7.8	<1.6	<8.1	<3.3	2.9J	<2.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-1D	10/5/2021		302	5.6	<0.82	4.3	<1.68	1.6J	<1.3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	10/22/2003		2.4	<1.0	<1.0	<3.0	<1.0	<4.0	NA	4.8	-051	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	4/21/2004		4.4	<1.0	<1.0	<3.0	<1.0	<4.0	NA	1.44	135	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	11/18/2004		9.0	<1.0	<1.0	<3.0	1.3	<4.0	NA	0.80	-43	NM	NM	NM	NM	NM	6.0	NM	NM	NM
MWRR-2	4/20/2005		2.3	<1.0	<1.0	<1.0	<3.0	<1.0	NA	0.7	-11	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	10/11/2005		12	0.38 J	0.59 J	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	10/24/2006		8.9	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	5/1/2007		9.9	<1.0	<1.0	<3.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	10/1/2007		6.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	5/9/2008		11.1	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	10/29/2008		6.1	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	10/14/2009		6.6	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	10/27/2010		8.6	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	10/14/2011		19.9	1.0	<1.0	<3.0	<1.0	<1.0	NA	0.9	-207	8.9	NM	-207	7.83	NM	NM	NM	NM	NM
MWRR-2	10/2/2012		17.2	1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	5/5/2015		6.9	0.45J	0.58J	1.5J	<0.84	0.96J	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	10/6/2015		11.1	0.41J	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	10/4/2016		17.6	0.87J	1.2	<3.95	<2.62	0.49J	0.72J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-2	6/5/2019		NM	NM	NM	NM	NM	NM	NM	0.67	187.8	6.3	NM	1051	7.34	420	<0.0354	1.52	8.4J	<0.095
MWRR-2	10/2/2019		29.8	1.6	0.45	<0.15	4.47	0.46	<0.51	0.97	-106.4	7.6	1037.0	NM	7.45	NM	NM	NM	NM	NM
TW-3	6/10/2020		29.9	0.31	<0.33	<0.47	<0.67	<0.32	<0.51	2.10	-140.8	9.2	818.83	NM	6.76	NM	NM	NM	NM	NM
MWRR-4	10/22/2003		740	470	400	1700	610	<40	NA	3.25	-065	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	4/21/2004		940	1200	240	2300	800	<20	NA	1.80	103	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	11/18/2004		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	4/20/2005		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	10/11/2005		0.14 J	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	10/24/2006		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	5/1/2007		304	174	75.9	1290	423	<20.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	10/1/2007		414	225	130.0	1350	483	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	5/9/2008		498	277	143.0	1470	511	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	10/30/2008		616	308	215	1460	527	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	10/14/2009		689	261	345	1300	546	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	10/27/2010		674	309	216	1250	489	<5.0	245	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	10/12/2011		669	235	303	1240	429	<5.0	255	0.7	-215	10.2	NM	868.0	7.76	NM	NM	NM	NM	NM
MWRR-4	5/6/2015		805	172	231	1130	479	<4.8	249	0.7	-215	10.2	NM	868.0	7.76	NM	NM	NM	NM	NM
MWRR-4	10/6/2015		383	80.2	112	702	281.6	<1.9	157	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
MWRR-4	10/4/2016		676	125.0	179	797	304.7	<4.8	167	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	6/20/2018		323	43.4	38.1	501	262.0	2.6J	136	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWRR-4	6/5/2019		NM	NM	NM	NM	NM	NM	NM	1.01	177.5	7.3	NM	911	7.74	300	0.315	0.54	<5.0	<0.095
MWOW-1	10/21/2003		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	1/20/2004		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	4/19/2004		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	7/27/2004		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	11/15/2004		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	4/18/2005		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	10/11/2005		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	5/23/2006		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	10/16/2006		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	5/1/2007		500	25.8	146	444	825	28.5	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	9/25/2007		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	7/30/2014		377	12.5	92.7	62.6	924	<0.87	<12.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-1	5/6/2015		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/22/2003		6.8	<1.0	1.5	<3.0	1.1	<4.0	NA	1.27	194	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/22/2003	D	6.2	<1.0	1.2	<3.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	4/21/2004		6.3	<1.0	<1.0	<3.0	3.5	<4.0	NA	2.34	163	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	4/21/2004	D	<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	11/18/2004		<1.0	<1.0	<1.0	<3.0	<1.0	<4.0	NA	2.40	118	NM	NM	NM	NM	NM	0.0	NM	NM	NM
MWOW-2	11/18/2004	D	101	3.0	59.0	7.8	62.6	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	4/20/2005		5.1	<1.0	<1.0	<3.0	<1.0	<1.0	NA	1.1	-23	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	4/20/2005	D	5.9	<1.0	0.53 J	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/11/2005		3.8	<1.0	0.42 J	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/11/2005	D	3.8	<1.0	0.50 J	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/24/2006		0.61 J	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/24/2006	D	0.79 J	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	5/1/2007		1.3	<1.0	<1.0	<3.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	5/1/2007	D	1.7	<1.0	<1.0	<3.0	<1.0	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/1/2007		1.0	<1.0	<1.0	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	5/9/2008		3.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	5/9/2008	D	3.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/29/2008		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/12/2011		1.1	<1.0	<1.0	<3.0	<1.0	<1.0	NA	0.6	-202	12.5	NM	804	8.01	NM	NM	NM	NM	NM
MWOW-2	10/2/2012		<1.0	<1.0	<1.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/2/2013		0.38J	<0.34	<0.34	<1.0	<0.69	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	5/4/2015		0.54J	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/6/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	10/4/2016		0.44J	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2	6/3/2019		NM	NM	NM	NM	NM	NM	NM	0.67	285.8	6.9	NM	913	7.69	350	<0.0354	1.46	27.8	<0.095
MWOW-2D	6/20/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2D	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2D	6/5/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51							<0.0354	0.975	15.7	<0.095	
MWOW-2D	10/2/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.86	-37.5	7.5	672	NM	7.04	NM	NM	NM	NM	NM
MWOW-2D	5/27/2020		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2D	10/5/2020		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-2D	5/25/2021		<0.14	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
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Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters											
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite	
NR 140 ES-->			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ppm	mV	°C	us/cm	umhos/cm	pH units		ppm	ppm	ppm	ppm
MWOW-2D	10/4/2021		<0.14	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/22/2003		190	30	81	160	123	<8.0	NA	3.14	-104	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	4/21/2004		61	6.5	27	68	111	<4.0	NA	1.32	060	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	11/18/2004		24.7	6.9	52	10.8 J	366	<20	NA	0.90	-29	NM	NM	NM	NM	NM	NM	2.0			
MWOW-3	4/20/2005		45.1	3.7 J	21.3	43.9	50.7	<5.0	NA	0.6	-06	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/11/2005		75	8.2	85	89.1	91	1.3	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/24/2006		266	25.4	16.7	<15.0	18.7	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	5/1/2007		71.2	3.7	40.6	35.4	30.8	<4.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/1/2007		47.5	<5.0	30.2	27.0	22.0	<5.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	5/9/2008		120.0	5.4	55.1	29.6	29.6	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/29/2008		116	6.0	63.2	33.0	23.5	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/14/2009		119	9.2	3.0	<3.0	<1.0	<1.0	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/27/2010		23	1.6	4.1	<3.0	<1.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/12/2011		34.3	1.9	2.3	<3.0	<1.0	<1.0	<4.0	0.79	-162	8.8	NM	737	8.01	NM	NM	NM	NM	NM	NM
MWOW-3	10/2/2012		72.4	3.3	1.3	<3.0	<1.0	<1.0	<1.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/3/2013		167.0	16.7	23.0	56.4	14.0	4.1	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	7/30/2014		66.6	2.0	3.6	2.1J	<2.4	<0.17	<2.5	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	5/5/2015		32.5	1.2	1.9	2.8J	<1.09J	1.5	1.3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/6/2015		24.1	2.2	6.9	7.2	4.24J	0.53J	3.7	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	10/4/2016		36.8	1.4	5.2	3.2	1.1	1.0	1.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-3	6/5/2019		NM	NM	NM	NM	NM	NM	NM	0.83	181.4	7.0	NM	1247	7.22	420	<0.0354	1.27	72.1	<0.095	
MWOW-3	10/2/2019		14.1	1.0	8.2	4.47	3.87	0.69	1.6	1.02	-21.6	7.3	1281.0	NM	6.94	NM	NM	NM	NM	NM	
MWOW-5	10/21/2003		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-5	1/20/2004		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-5	4/19/2004		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-5	7/27/2004		NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-5	11/15/2004		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-5	4/18/2005		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-5	10/11/2005		1300	890	570	1400	530	<10	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-5	5/23/2006		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-5	10/16/2006		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-5	4/23/2007		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWOW-5	9/25/2007		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
TW-4	6/10/2020		509	40.3	87.5	108.3	66.4	2.0	22.6	2.60	-111.8	10.83	1068.3	NM	6.89	NM	NM	NM	NM	NM	
ABC MW-6	4/20/1998		<	0.4	0.5	1.5	<	<	3.1	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
ABC MW-6	6/24/1998		1.8	<	0.6	<	<	<	<	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
ABC MW-6	10/1998		1.02	2.57	0.696	2.29	1.38	<	<	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
ABC MW-6	2/03/1999		<0.27	<0.27	<0.32	<0.67	<0.49	<0.32	<0.35	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
ABC MW-6	5/21/1999		<0.27	<0.27	<0.32	<0.67	<0.49	<0.32	<0.35	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
ABC MW-6	9/23/1999		<0.27	<0.27	<0.32	<0.67	<0.49	<0.32	<0.35	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
ABC MW-6	1/5/2000		<0.44	<0.40	<5.0	<1.31	<0.92	<0.44	<0.59	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
ABC MW-6	4/18/2000		<0.27	<0.27	<0.32	<0.67	<0.49	<0.32	<0.35	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
GP100	9/15/2011		1730	622.0	58.6	128	92.5	<10	<40	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	
GP101	9/15/2011		215	37.8	23.3	52.4	151.6	<1	<20.2	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	

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			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	-	--	--	--	--	--	--	--	--
GP102	9/15/2011		14200	1340.0	579	924	247.7	<25	<100	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP103	9/15/2011		305	25.1	19.7	24	<1	<2	<8	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP104	9/15/2011		2670	442.0	713	3190	835	<25	747	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP105	9/15/2011		421	165.0	67	116	5.2	<5	<20	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP106	9/15/2011		493	343.0	376	1870	11760	<5	203	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP107	9/16/2011		19	7.2	19.4	56.9	932	<1	17	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP108	9/16/2011		563	23.6	34.7	108	124.8	<5	61	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP109	9/16/2011		1340	109.0	201	805	220	<10	141	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP110	9/19/2011		<1	1.1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP111	9/19/2011		1050	120.0	362	1380	835	<10	369	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP112	9/19/2011		39.4	5.0	6	6.9	5.2	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP113	9/19/2011		4430	1590.0	5280	17600	11760	<50	3940	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP114	9/19/2011		174	51.6	715	1670	932	<10	351	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP115	9/20/2011		649	20.6	21	31.1	124.8	<5	<20	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP116	9/20/2011		278	139.0	45.1	144	220	<2	21	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP117	9/20/2011		93.4	8.4	1.8	5.6	2.3	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP118	9/22/2011		5.3	<2	<2	<6	2.5	<2	<8	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP119	9/22/2011		2230	426.0	567	2940	855	<20	549	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP120	9/22/2011		4710	2440.0	732	2740	1282	<50	352	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP200	9/20/2011		3.2	<1	<1	<3	<2	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP201	9/20/2011		15.6	5.1	3.2	8.1	31.1	<2	<8	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP202(D)	9/20/2011		83.7	<2	<2	<6	<2	<2	<8	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP203	9/20/2011		1.6	1.5	18.7	49.8	77.7	<1	14.9	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP204	9/20/2011		1.2	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP205	9/21/2011		1410	28.6	<1	4.7	<1	2	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP206	9/21/2011		1110	23.7	<1	3.4	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	--	--	--	--	--	--	--	--	--
GP207	9/21/2011		<1	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP208	9/21/2011		<1	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP209(D)	9/21/2011		<1	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP210(D)	9/21/2011		10.7	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP211	9/22/2011		<1	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP212	9/22/2011		<1	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP213	9/22/2011		<1	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP214	9/22/2011		1230	156.0	217	466	526	<10	86.6	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP215	9/22/2011		<1	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP216	9/22/2011		<1	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
GP-217	9/22/2011		1.9	<1	<1	<3	<1	<1	<4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
ABC MW-7	2/4/1999		440	150	360	497	410	<3.2	60	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
ABC MW-7	5/21/1999		440	120	310	446	334	<1.6	56	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
ABC MW-7	9/23/1999		420	110	300	423	332	<0.80	55	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
ABC MW-7	1/5/2000		410	120	340	425	440	<2.2	67	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
ABC MW-7	4/18/2000		350	100	290	396	295	<3.2	42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BC-3	11/20/1998		460	130	130	280	182	20	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BC-4	11/20/1998		2.1	3.1	2.2	8.1	5.1	<4	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
BC-7	11/20/1998		FP	FP	FP	FP	FP	FP	FP	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1	10/10/2013		<0.34	<0.34	<0.34	<1.0	NA	<0.37	NA	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1	5/20/2014		<1.0	<1.0	<1.0	<3.0	<2.0	<1.0	<4.0	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1	10/29/2014		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1	5/4/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1	10/6/2015		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1	5/24/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1	10/6/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	10/29/2014		167	<0.39	<0.39	<1.2	<0.84	<0.48	0.46J	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	2/19/2015		185	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	5/5/2015		207	<0.78	<0.79	<2.5	<1.67	<0.97	<0.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	5/5/2015	D	205	<0.78	<0.79	<2.5	<1.67	<0.97	<0.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	10/6/2015		210	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	10/6/2015	D	212	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	5/25/2016		213	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	10/5/2016		193	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
Former Amoco Terminal
Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters										
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	-	--	--	--	--	--	--	--	--
MWBD-1D	6/14/2017		156	<0.78	<0.79	<2.5	<1.67	<0.97	<0.85	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	10/4/2017		148	<0.39	<0.39	<1.25	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	6/20/118		123	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	10/11/2018		110	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	6/5/2019		91.5	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	0.63	152.2	7.5	NM	900	7.63	210	<0.0354	0.266	19.7	<0.095
MWBD-1D	10/2/2019		88.2	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.87	-88.6	11.2	895.0	NM	8.01	NM	NM	NM	NM	NM
MWBD-1D	5/27/2020		72.0	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	10/5/2020		71.3	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	5/25/2021		64.1	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1D	10/5/2021		68.5	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1DD	6/20/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1DD	10/10/2018		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1DD	6/6/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
MWBD-1DD	10/2/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	0.76	-136.5	8.2	914	NM	7.78	NM	NM	NM	NM	NM
Trip Blank	10/5/2016		<0.40	<0.39	<0.39	<1.2	<0.84	<0.48	<0.42	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Trip Blank	6/5/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Trip Blank 1	6/6/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Trip Blank 2	6/6/2019		<0.31	<0.49	<0.33	<0.98	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Trip Blank 1	10/3/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Trip Blank 2	10/3/2019		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Trip Blank	5/28/2020		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Trip Blank	10/7/2020		<0.31	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Trip Blank	5/27/2021		<0.14	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Trip Blank	5/27/2021		<0.14	<0.16	<0.33	<0.47	<0.67	<0.32	<0.51	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

Table 6
Groundwater Analytical Results - Barge Dock
 Former Amoco Terminal
 Superior, Wisconsin

Sample ID	Date Sampled	Duplicate (D) or Split (S)	Analytical Parameters							Bio-Parameters											
			Benzene	Toluene	Ethylbenzene	Xylenes	Total TMBs	MTBE	Naphthalene	DO	REDOX	Temp	Specific Conductance	Conductivity	pH	Alkalinity (ppm CaCO3)	Soluble Iron	Soluble Manganese	Sulfate	Nitrate and Nitrite	
			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	ppm	mV	°C	µs/cm	µmhos/cm	pH units		ppm	ppm	ppm	ppm	
NR 140 ES-->			5	800	700	2000	480	60	100	--	--	-	--	--	--	--	--	--	--	--	
<p>< = The compound was not detected at or above the indicated method detection limit. Unlisted detection limit concentrations were unavailable</p> <p>µg/L = micrograms per liter (equivalent to parts per billion)</p> <p>µmhos/cm = micromhos per centimeter</p> <p>ABC MW-6 = Indicates a well owned by ABC Rail Corporation (data obtained from WDNR files)</p> <p>°C = Degrees Celsius</p> <p>D = Duplicate sample</p> <p>DO = Dissolved Oxygen</p> <p>DRO = Diesel Range Organics</p> <p>FP = The well was not sampled due to the presence of free product</p> <p>GRO = Gasoline Range Organics</p> <p>MTBE = Methyl Tertiary-Butyl Ether</p> <p>mV = millivolts</p> <p>NA = Not Analyzed for indicated parameter</p> <p>NM = Not Measured</p> <p>NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard</p> <p>NS = Not Sampled</p> <p>ppm = parts per million</p> <p>REDOX = Reduction/Oxidation</p> <p>TMBs = Trimethylbenzenes</p> <p>"BOLD TYPE" = The indicated concentration exceeds the NR 140 ES</p>																					

Table 7
Phase II System LNAPL Recovery Summary
 Former Amoco Terminal
 Superior, WI

Superior Barge Dock Product Skimming System - Phase II				Tank Dimensions/Volume Calculation (depth meas. from top of hori. cylindrical tank)																						
5 LNAPL Skimming Wells on C. Reiss property				Diameter of tank = 8.00 feet									Depth of tank from top of bung = 8.08 feet													
Product Recovery Table				Length of tank = 18.67 feet									Depth of bung = 0.08 feet													
				Full Volume of tank = 7,019 gallons									95% full volume of tank = 6,668 gallons													
Date/Time	Calendar Period hours	Operational Time		Panel Hour Meter total hours	Panel Hour Meter period hours	Dial hour hand	Dial minute hand	Dial total (inches)	Depth to Product (ft)	Depth to Water (ft)	Water Tx (ft)	Product Tx (ft)	Total Fluid Volume (gal)	95% Tank full (%)	Period Estimated # of days until tank full (95%)	Cumulative Estimated # of days until tank full (95%)	Current Tank Water Volume (gal)	Current Tank Free Volume (gal)	Period Water recovered (gal)	Period Free Product recovered (gal)	Period Water recovery rate (gallons / day)	Period Product recovery rate (gallons / day)	Cumulative Product recovered (gallons)	Cumulative Water recovery rate (gallons / day)	Cumulative Product recovery rate (gallons / day)	Notes
		Total hours	Total days																							
9/27/2013 10:30	186.42	6,755.1	283.3	6798.0	186.8	1	10.5	22.5	6.01	8.00	0.08	1.99	1,440	22%	222.4	70.5	11.9	1,428	0.0	183.0	0.0	23.5	21,001		74.1	
10/3/2013 15:45	149.25	6,904.1	289.5	6947.0	149.0	2	0.5	24.5	5.87	8.00	0.08	2.13	1,579	24%	228.3	69.7	11.9	1,567	0.0	138.4	0.0	22.3	21,139		73.0	
10/10/2013 16:30	168.75	7,073.3	296.5	7116.2	169.2	2	2.0	26	5.73	8.00	0.08	2.27	1,720	26%	247.1	69.0	11.9	1,708	0.0	141.2	0.0	20.0	21,280		71.8	1 pump offline
10/18/2013 11:24	186.90	7,259.7	304.3	7302.6	186.4	2	3.8	27.75	5.59	8.00	0.08	2.41	1,863	28%	259.8	68.2	11.9	1,852	0.0	143.7	0.0	18.5	21,424		70.4	All pumps online
10/21/2013 17:15	77.85	7,337.2	307.5	7380.1	77.5	2	4.5	28.5	5.51	8.00	0.08	2.49	1,947	29%	183.5	67.5	11.9	1,935	0.0	83.1	0.0	25.7	21,507		69.9	
10/25/2013 15:35	94.33	7,432.2	311.5	7475.1	95.0	2	5.8	29.75	5.42	8.00	0.08	2.58	2,041	31%	194.2	66.7	11.9	2,029	0.0	94.3	0.0	23.8	21,601		69.4	
11/1/2013 15:15	167.67	7,599.9	318.5	7642.8	167.7	2	7.5	31.5	5.26	8.00	0.08	2.74	2,211	33%	183.7	65.2	11.9	2,199	0.0	169.6	0.0	24.3	21,771		68.4	
11/7/2013 14:00	142.75	7,743.4	324.4	7786.3	143.5	2	9.0	33	5.15	8.00	0.08	2.85	2,328	35%	220.1	64.3	11.9	2,317	0.0	117.9	0.0	19.7	21,889		67.5	
11/14/2013 8:00	162.00	7,906.2	331.2	7949.1	162.8	2	10.5	34.5	5.01	7.95	0.13	2.94	2,480	37%	204.8	63.0	24.6	2,455	12.7	138.7	1.9	20.5	22,028		66.5	
11/20/2013 12:30	148.50	8,053.6	337.4	8096.5	147.4	3	1.0	37	4.83	7.90	0.18	3.07	2,676	40%	135.3	60.6	39.9	2,636	15.4	181.2	2.5	29.5	22,209		65.8	End operating Season, tank pumped
11/20/2013 14:00	1.50	8,054.1	337.4	8097.0	0.5	0	3.5	3.5	7.79	7.90	0.18	0.11	81	1%	223.3	100.1	39.9	41	0.0	0.0	0.0	29.5	22,209		65.8	0" 3.5" post pumping tank reading
4/29/2014 14:28	3,840.47	8,058.0	337.5	8100.9	3.9	0	5.5	5.5	7.47	7.90	0.18	0.43	245	4%	6.4	96.9	39.9	205	0.0	163.7	0.0	1007.5	22,373		66.3	2014 System Re-start April 29
4/30/2014 16:20	25.87	8,083.6	338.60417	8126.5	25.6	0	7.5	7.5	7.28	7.76	0.32	0.48	365	5%	101.9	95.1	94.2	271	54.2	66.0	50.8	61.9	22,439		66.3	
5/1/2014 15:25	23.08	8,106.8	339.57083	8149.7	23.2	0	8.3	8.25	7.19	7.75	0.33	0.56	427	6%	105.1	94.2	98.6	328	4.4	57.4	4.6	59.4	22,496		66.2	
5/2/2014 15:20	23.92	8,130.7	340.56667	8173.6	23.9	0	9.3	9.25	7.11	7.75	0.33	0.64	484	7%	107.5	93.4	98.6	386	0.0	57.3	0.0	57.5	22,554		66.2	
5/5/2014 17:40	74.33	8,205.0	343.6625	8247.9	74.3	0	11.5	11.5	6.92	7.75	0.33	0.83	628	9%	129.7	91.4	98.6	530	0.0	144.1	0.0	46.6	22,698		66.0	
5/6/2014 15:30	21.83	8,227.2	344.5875	8270.1	22.2	1	0.5	12.5	6.87	7.75	0.33	0.88	668	10%	139.9	90.9	98.6	570	0.0	39.7	0.0	42.9	22,738		66.0	
5/8/2014 16:20	48.83	8,275.6	346.60417	8318.5	48.4	1	1.5	13.5	6.77	7.75	0.33	0.98	750	11%	146.7	89.9	98.6	651	0.0	81.4	0.0	40.3	22,819		65.8	
5/13/2014 7:50	111.50	8,387.1	351.25	8430.0	111.5	1	4.0	16	6.56	7.75	0.33	1.19	928	14%	149.0	87.7	98.6	830	0.0	178.9	0.0	38.5	22,998		65.5	~100 gal water removed
5/15/2014 17:17	57.45	8,444.8	353.65417	8487.7	57.7	1	3.8	15.75	6.59	8.03	0.05	1.44	902	14%	208.4	88.4	5.9	896	-92.7	66.5	-38.6	27.7	23,064		65.2	
5/20/2014 8:25	111.13	8,555.7	358.275	8598.6	110.9	1	5.8	17.75	6.41	8.05	0.03	1.64	1062	16%	158.7	86.5	2.7	1,060	-3.1	163.2	-0.7	35.3	23,228		64.8	
5/22/2014 11:38	51.22	8,607.0	360.4125	8649.9	51.3	1	6.8	18.75	6.32	8.05	0.03	1.73	1145	17%	143.1	85.4	2.7	1,142	0.0	82.5	0.0	38.6	23,310		64.7	Field notes read 8.10 DTW but tank depth is 8.08; used 8.05 DTW
5/30/2014 12:42	193.07	8,800.1	368.45833	8843.0	193.1	1	10.0	22	6.04	8.03	0.05	1.99	1411	21%	160.9	82.2	5.9	1,405	3.1	262.9	0.4	32.7	23,573		64.0	
6/3/2014 17:30	100.80	8,819.2	369.25417	8862.1	191.1	1	10.5	22.5	6	8.02	0.06	2.02	1450	22%	111.6	81.6	7.7	1,442	1.8	37.2	2.3	46.8	23,610		63.9	System down for 3.5 days-power out
6/5/2014 9:18	39.80	8,858.9	370.90833	8901.8	39.7	2	0.1	24.1	5.89	8.00	0.08	2.11	1559	23%	80.9	79.9	11.9	1,547	4.2	104.5	2.5	63.2	23,715		63.9	Bump in recovery following restart, Dial minute hand cannot be 0, had to enter 0.1 to get it to formulate correctly.
6/9/2014 17:05	103.78	8,962.8	375.2375	9005.7	103.9	2	1.5	25.5	5.78	8.00	0.08	2.22	1669	25%	196.0	78.7	11.9	1,657	0.0	110.4	0.0	25.5	23,825		63.5	
6/12/2014 16:15	71.17	9,034.0	378.20417	9076.9	71.2	2	2.3	26.25	5.7	8.00	0.08	2.3	1750	26%	179.5	77.8	11.9	1,739	0.0	81.3	0.0	27.4	23,907		63.2	
6/13/2014 13:55	21.67	9,055.7	379.10833	9098.6	21.7	2	2.5	26.5	5.68	8.00	0.08	2.32	1771	27%	216.5	77.6	11.9	1,759	0.0	20.5	0.0	22.6	23,927		63.1	
6/17/2014 13:05	95.17	9,150.8	383.07083	9193.7	95.1	2	3.5	27.5	5.58	8.00	0.08	2.42	1874	28%	184.5	76.4	11.9	1,862	0.0	103.0	0.0	26.0	24,030		62.7	
6/19/2014 8:32	43.45	9,192.3	384.8	9235.2	41.5	2	4.0	28	5.55	8.00	0.08	2.45	1905	29%	264.7	76.2	11.9	1,893	0.0	31.1	0.0	18.0	24,061		62.5	
6/24/2014 16:40	128.13	9,320.4	390.1375	9363.3	128.1	2	5.5	29.5	5.43	8.00	0.08	2.57	2030	30%	197.4	74.8	11.9	2,018	0.0	125.4	0.0	23.5	24,186		62.0	
6/26/2014 16:25	47.75	9,368.0	392.12083	9410.9	47.6	2	6.0	30	5.39	8.00	0.08	2.61	2073	31%	216.3	74.4	11.9	2,061	0.0	42.1	0.0	21.2	24,229		61.8	
6/30/2014 17:33	97.13	9,465.2	396.17083	9508.1	97.2	2	7.0	31	5.28	8.00	0.08	2.72	2189	33%	155.5	72.9	11.9	2,177	0.0	116.7	0.0	28.8	24,345		61.5	
7/4/2014 9:50	88.28	9,553.6	399.85417	9596.5	88.4	2	8.0	32	5.22	8.00	0.08	2.78	2253	34%	253.7	72.3	11.9	2,241	0.0	64.1	0.0	17.4	24,409		61.0	
7/8/2014 16:00	102.17	9,655.5	404.1	9698.4	101.9	2	9.0	33	5.13	8.00	0.08	2.87	2350	35%	189.6	71.2	11.9	2,338	0.0	96.7	0.0	22.8	24,506		60.6	
7/12/2014 10:00	90.00	9,745.7	407.85833	9788.6	90.2	2	9.8	33.75	5.07	8.00	0.08	2.93	2415	36%	246.7	70.6	11.9	2,403	0.0	64.8	0.0	17.2	24,571		60.2	
7/14/2014 11:45	49.75	9,796.0	409.95417	9838.9	50.3	2	10.0	34	5.03	8.00	0.08	2.97	2458	37%	203.6	70.1	11.9	2,446	0.0	43.3	0.0	20.7	24,614		60.0	
7/18/2014 12:20	96.58	9,892.0	413.95417	9934.9	96.0	2	11.0	35	4.95	8.00	0.08	3.05	2545	38%	189.5	69.1	11.9	2,533	0.0	87.0	0.0	21.8	24,701		59.7	
7/23/2014 16:20	124.00	10,016.0	419.12083	10058.9	124.0	3	0.3	36.25	4.85	8.00	0.08	3.15	2654	40%	189.7	67.8	11.9	2,643	0.0	109.3	0.0	21.2	24,811		59.2	
7/30/2014 8:30	160.17	10,175.9	425.78333	10218.8	159.9	3	1.5	37.5	4.76	8.00	0.08	3.24	2753	41%	263.8	66.9	11.9	2,741	0.0	98.9	0.0	14.8	24,909		58.5	
8/2/2014 11:20	74.83	10,251.0	428.9125	10293.9	75.1	3	2.0	38	4.7	8.00	0.08	3.3	2819	42%	182.1	66.1	11.9	2,808	0.0	66.1	0.0	21.1	24,976		58.2	
8/7/2014 6:40	115.33	10,366.5	433.725	10409.4	115.5	3	3.0	39	4.63	8.00	0.08	3.37	2897	43%	234.7	65.3	11.9	2,885	0.0	77.3	0.0	16.1	25,053		57.8	
8/14/2014 6:30	167.83	10,534.3	440.71667	10577.2	167.8	3	4.5	40.5	4.52	8.00	0.08	3.48	3019	45%	209.3	63.9	11.9	3,007	0.0	121.9	0.0	17.4	25,175		57.1	
8/19/2014 16:25	129.92	10,664.0	446.12083	10706.9	129.7	3	5.5	41.5	4.4	7.91	0.17	3.51	3152	47%	174.9	62.0	36.7	3,115	24.8	108.6	4.6	20.1	25,283		56.7	
8/21/2014 9:50	41.42	10,729.7	448.85833	10772.6	65.7	3	6.0	42	4.36	7.88	0.2	3.52	3197	48%	275.6	61.5	46.7	3,150	10.1	34.5	3.7	12.6	25,318		56	

Table 7
Phase II System LNAPL Recovery Summary
 Former Amoco Terminal
 Superior, WI

Superior Barge Dock Product Skimming System - Phase II LNAPL Skimming Wells on C. Reiss property Product Recovery Table		Tank Dimensions/Volume Calculation (depth meas. from top of hori. cylindrical tank)																				Notes			
Operational Time		Diameter of tank = 8.00 feet Length of tank = 18.67 feet Full Volume of tank = 7,019 gallons										Depth of tank from top of bung = 8.08 feet Depth of bung = 0.08 feet 95% full volume of tank = 6,668 gallons													
Date/Time	Calendar Period hours	Total hours	Total days	Panel Hour Meter total hours	Panel Meter period hours	Dial hour hand	Dial minute hand	Dial total (inches)	Depth to Product (ft)	Depth to Water (ft)	Water Tx (ft)	Product Tx (ft)	Total Fluid Volume (gal)	95% Tank full (%)	Period Estimated # of days until tank full (95%)	Cumulative Estimated # of days until tank full (95%)	Current Tank Water Volume (gal)	Current Tank Free Volume (gal)	Period Water recovered (gal)	Period Free Product recovered (gal)	Period Water recovery rate (gallons / day)	Period Product recovery rate (gallons / day)	Cumulative Product recovered (gallons)	Cumulative Water recovery rate (gallons / day)	Cumulative Product recovery rate (gallons / day)
5/18/2017 13:30	239.17	23,651.6	991.15	23787.7	239.3	0	9.0	9	7.14	7.95	0.13	0.81	462,604	7%	341.5	186,828	24,56	438,04	0.0	181.2	0.0	18.2	32,923		33.2
5/22/2017 15:13	97.72	23,749.2	995.22	23885.3	97.6	0	9.9	9.9	7.05	7.95	0.13	0.90	528,662	8%	378.0	185,226	24,56	504.10	0.0	66.1	0.0	16.2	32,989		33.1
5/25/2017 13:15	70.03	23,859.2	999.80	23995.3	110.0	0	10.7	10.7	7	7.95	0.13	0.95	566,455	8%	740.0	184,722	24,56	541.89	0.0	37.8	0.0	8.2	33,026		33.0
5/31/2017 15:50	146.58	23,965.9	1004.25	24102.0	106.7	0	11.9	11.9	6.88	7.95	0.13	1.07	660,152	10%	285.1	182,178	24,56	635.59	0.0	93.7	0.0	21.1	33,120		33.0
6/14/2017 14:20	334.50	24,300.3	1018.18	24436.4	334.4	1	2.6	14.6	6.67	7.95	0.13	1.28	833,425	12%	469.2	178,445	24,56	808.86	0.0	173.3	0.0	12.4	33,293		32.7
6/21/2017 15:30	169.17	24,469.5	1025.23	24605.6	169.2	1	3.8	15.8	6.56	7.95	0.13	1.39	928,463	14%	425.8	176,251	24,56	903.90	0.0	95.0	0.0	13.5	33,388		32.6
6/29/2017 16:00	192.50	24,661.9	1033.25	24798.0	192.4	1	5.0	17	6.46	7.95	0.13	1.49	1017.18	15%	510.6	174.42	24,56	992.62	0.0	88.7	0.0	11.1	33,477		32.4
7/7/2017 8:20	184.33	24,846.5	1040.94	24982.6	184.6	1	6.3	18.3	6.35	7.95	0.13	1.60	1117.16	17%	427.1	172,096	24,56	1092.60	0.0	100.0	0.0	13.0	33,577		32.3
7/8/2017 8:24	24.07	24,869.4	1041.90	25005.5	22.9	1	6.5	18.5	6.35	7.95	0.13	1.60	1117.16	17%	NA	172,253	24,56	1092.60	0.0	0.0	0.0	0.0	33,577		32.2
7/12/2017 14:50	102.43	24,972.0	1046.17	25108.1	102.6	1	7.1	19.1	6.3	7.95	0.13	1.65	1163.38	17%	509.1	171,284	24,56	1138.82	0.0	46.2	0.0	10.8	33,623		32.1
7/19/2017 14:00	167.17	25,139.1	1053.13	25275.2	167.1	1	8.0	20	6.21	7.95	0.13	1.74	1247.75	19%	447.3	169,357	24,56	1223.19	0.0	84.4	0.0	12.1	33,708		32.0
7/26/2017 12:00	166.00	25,305.0	1060.05	25441.1	165.9	1	8.4	20.4	6.14	7.95	0.13	1.81	1314.36	20%	555.6	168,042	24,56	1289.80	0.0	66.6	0.0	9.6	33,774		31.9
7/27/2017 13:24	25.40	25,330.5	1061.11	25466.6	25.5	1	9.0	21	6.11	7.94	0.14	1.83	1343.16	20%	218.3	167,177	27.44	1315.72	2.9	25.9	2.7	24.4	33,800		31.9
8/4/2017 12:00	190.60	25,520.9	1069.04	25657.0	190.4	1	9.9	21.9	6.07	7.95	0.13	1.88	1381.79	21%	1010.4	167	24,56	1357.23	-2.9	41.5	-0.4	5.2	33,842		31.7
8/8/2017 12:40	96.67	25,617.6	1073.07	25753.7	96.7	1	10.4	22.4	6.01	7.95	0.13	1.94	1440.21	22%	360.6	165,491	24,56	1415.65	0.0	58.4	0.0	14.5	33,900		31.6
8/15/2017 13:05	168.42	25,786.1	1080.09	25922.2	168.5	1	11.5	23.5	5.94	7.95	0.13	2.01	1509.07	23%	526.0	164,047	24,56	1484.51	0.0	68.9	0.0	9.8	33,969		31.5
8/23/2017 16:42	195.62	25,981.7	1088.24	26117.8	195.6	2	0.2	24.2	5.87	7.95	0.13	2.08	1578.64	24%	596.2	162,722	24,56	1554.08	0.0	69.6	0.0	8.5	34,039		31.3
8/30/2017 9:20	160.63	26,142.6	1094.95	26278.7	160.9	2	1.5	25.5	5.75	7.93	0.15	2.18	1699.49	25%	289.7	159,299	30.42	1669.08	5.9	115.0	0.9	17.2	34,154		31.2
8/30/2017 2:36	0.00	26,142.6	1095.16	26283.8	0.0	0	1.7	1.7	7.84	7.94	0.14	0.10	61,3509	1%	NA	211,856	27.44	33.91	0.0	0.0	0.0	0.0	34,154		31.2
9/7/2017 17:45	207.15	26,337.7	1103.29	26478.9	195.1	0	2.6	2.6	7.69	7.95	0.13	0.26	126,355	2%	783.4	210.91	24,56	101.79	-2.9	67.9	-0.4	8.4	34,222		31.0
9/14/2017 22:00	172.25	26,500.2	1110.06	26641.4	162.5	0	3.4	3.4	7.56	7.94	0.14	0.38	193,554	3%	681.6	209.63	27.44	166.12	2.9	64.3	0.4	9.5	34,286		30.9
9/19/2017 14:50	112.83	26,621.9	1115.13	26763.1	121.7	0	4.8	4.8	7.49	7.95	0.13	0.46	233,281	3%	765.9	209,036	24,56	208.72	-2.9	42.6	-0.6	8.4	34,329		30.8
9/27/2017 13:15	190.42	26,811.9	1123.05	26953.1	190.0	0	6.1	6.1	7.37	7.95	0.13	0.58	306,496	5%	687.9	207,682	24,56	281.94	0.0	73.2	0.0	9.2	34,402		30.6
10/4/2017 15:01	169.77	26,981.4	1130.11	27122.6	169.5	0	7.3	7.3	7.29	7.95	0.13	0.66	358,582	5%	855.6	206,964	24,56	334.02	0.0	52.1	0.0	7.4	34,454		30.5
10/12/2017 16:05	193.07	27,174.7	1138.16	27315.9	193.3	0	8.5	8.5	7.17	7.94	0.14	0.77	441,173	7%	629.2	205,235	27.44	413.73	2.9	79.7	0.4	9.9	34,534		30.3
10/19/2017 12:40	164.58	27,339.2	1145.02	27480.4	164.5	0	9.5	9.5	7.08	7.95	0.13	0.87	506,355	8%	620.6	203,908	24,56	481.79	-2.9	68.1	-0.4	9.9	34,602		30.2
10/26/2017 18:35	173.92	27,513.2	1152.27	27654.4	174.0	0	10.6	10.6	6.99	7.94	0.14	0.95	574,104	9%	681.1	202,564	27.44	546.67	2.9	64.9	0.4	8.9	34,667		30.1
11/8/2017 8:40	302.08	27,534.0	1153.13	27675.2	20.8	0	11.6	11.6	6.94	7.88	0.20	0.94	612.79	9%	270.8	201,317	46.74	566.05	19.3	19.4	22.3	22.4	34,686		30.1
11/8/2017 10:15	0.00	27,534.0	1153.14	27675.4	0.0	0	3.5	3.5	7.86	7.87	0.21	0.01	53,8853	1%	NA	219.9	50.27	3.61	0.0	0.0	0.0	0.0	34,686		30.1
5/14/2018 10:10	4,487.92	27,534.0	1153.14	27675.4	0.0	0	1.9	1.9	7.86	7.87	0.21	0.01	53,8853	1%	NA	219.9	50.27	3.61	0.0	0.0	0.0	0.0	34,686		30.1
5/15/2018 16:15	30.08	27,562.5	1154.33	27703.9	28.5	0	3.7	3.7	7.59	7.87	0.21	0.28	177,256	3%	62.5	215,255	50.27	126.98	0.0	123.4	0.0	103.9	34,809		30.2
5/23/2018 17:15	193.00	27,755.6	1162.38	27897.0	193.1	0	6.6	6.6	7.33	7.87	0.21	0.54	332,228	5%	329.0	210,642	50.27	281.96	0.0	155.0	0.0	19.3	34,964		30.1
5/24/2018 8:20	15.08	27,770.5	1163.00	27911.9	14.9	0	6.8	6.8	7.32	7.87	0.21	0.55	338,759	0.0508008	601.7	210,498	50.27	288.49	0.0	6.5	0.0	10.5	34,971		30.1
5/30/2018 17:46	153.43	27,924.2	1169.40	28065.6	153.7	0	8.4	8.4	7.19	7.86	0.22	0.67	427,055	0.0640418	472.0	208,201	53.89	373.17	3.6	84.7	0.6	13.2	35,056		30.0
6/8/2018 9:25	207.65	28,131.8	1178.05	28273.2	207.6	0	10.2	10.2	7.02	7.86	0.22	0.84	551,247	0.0826659	426.1	204,842	53.89	497.36	0.0	124.2	0.0	14.4	35,180		29.9
6/12/2018 9:00	95.58	28,227.5	1182.04	28368.9	95.7	0	11.0	11	6.97	7.86	0.22	0.89	589,491	0.088401	633.8	204,028	53.89	535.61	0.0	38.2	0.0	9.6	35,218		29.8
6/15/2018 16:15	79.25	28,306.8	1185.34	28448.2	79.3	0	11.4	11.4	6.91	7.88	0.2	0.97	636,345	0.0954273	369.1	202,711	46.74	589.60	-7.1	54.0	-2.2	16.3	35,272		29.8
6/19/2018 17:12	96.95	28,403.7	1189.38	28545.1	96.9	1	2.3	14.3	6.68	7.58	0.5	0.9	824,925	0.123707	447.8	196,748	182.64	642.29	135.9	52.7	33.7	13.0	35,325		29.7
6/27/2018 9:05	183.88	28,587.6	1197.04	28729.0	183.9	1	3.6	15.6	6.58	7.56	0.52	0.98	910,979	0.1366118	587.1	194,686	193.55	717.42	10.9	75.1	1.4	9.8	35,400		29.6
6/28/2018 10:25	25.33	28,587.6	1197.04	28729.0	0.0	0	2.0	2	7.83	7.96	0.12	0.13	65,2001	0.0097775	NA	223,285	21.79	43.41	0.0	0.0	0.0	0.0	35,400		29.6
7/3/2018 14:30	124.08	28,711.5	1202.20	28852.9	123.9	0	2.4	2.4	7.69	7.96	0.12	0.27	126,355	0.0189484	552.3	221,788	21.79	104.57	0.0	61.2	0.0	11.8	35,461		29.5
7/10/2018 14:15	167.75	28,878.8	1209.18	29020.2	167.3	0	4.0	4	7.56	7.96	0.12	0.4	193,554	0.0290256	671.7	220,365	21.79	171.76	0.0	67.2	0.0	9.6	35,528		29.4
7/25/2018 14:00	359.75	29,239.0	1224.18	29380.4	360.2	0	6.0	6	7.38	7.96	0.12	0.58	300,163	0.0450129	896.5	218.77	21.79	278.37	0.0	106.6	0.0	7.1	35,635		29.1
8/8/2018 10:45	332.75	29,571.7	1238.05	29713.1	332.7	0	8.0	8	7.19	7.96	0.12	0.77	427,055	0.0640418	681.8	216,069	21.79	405.26	0.0	126.9	0.0	9.2	35,762		28.9
8/16/2018 16:40	197.92	29,769.7	1246.30	29911.1	198.0	0	9.0	9	7.11	7.94	0.14	0.83	484,334	0.0726315	988.1	215,202	27.44	456.90	5.6	51.6	0.7	6.3	35,813		28.7
8																									

**Table 8
MRW-3 LNAPL Recovery**

1,000 Gallon Product Storage Tank (MRW-3)									
Date / Time	Period Run Time	Run Time Per Day	Depth to Water (feet from TOC)	Water Level (feet from tank top)	Depth to LNAPL (feet from TOC)	LNAPL Level (feet from tank top)	Water Volume (gallons, from chart)	Water Volume (gallons, calculated)	Total Liquid Volume (gallons, from chart)
8/22/2017 8:18	163.0	163.0	7.68	6.78	7.45	6.55	103.6	103.6	142.1
8/22/2017 15:00	6.7	6.7	7.68	6.78	7.44	6.54	103.6	103.6	143.8
8/23/2017 16:50	25.8	25.8	7.66	6.76	7.4	6.5	106.9	107.0	150.4
8/30/2017 9:36	160.8	160.8	7.49	6.59	7.18	6.28	135.4	135.4	187.2
8/30/2017 11:00	1.4	162.2	8.3	7.4	8.3	7.4	0.00	0.0	0.0
9/7/2017 17:45	198.8	198.8	8.3	7.4	8.21	7.31	0	0.0	15.0
9/14/2017 14:10	164.4	164.4	8.21	7.31	8.03	7.13	15	15.1	45.1
9/19/2017 14:21	120.2	120.2	8.17	7.27	7.94	7.04	21.7	21.7	60.2
9/27/2017 13:31	191.2	191.2	8.03	7.13	7.74	6.84	45.1	45.1	93.6
10/4/2017 15:11	169.7	169.7	7.93	7.03	7.6	6.7	61.8	61.8	117.0
10/12/2017 16:30	193.3	193.3	7.86	6.96	7.42	6.52	70.2	73.5	147.1
10/19/2017 12:45	164.3	164.3	7.79	6.89	7.26	6.36	85.3	85.2	173.8
10/26/2017 12:45	168.0	168.0	7.72	6.82	7.12	6.22	96.9	96.9	197.2
11/8/2017 8:45	0.0	0.0	7.57	6.67	6.87	5.97	122.1	122.0	239.0
11/8/2017 10:15	1.5	1.5	8.31	7.41	8.3	7.4	0	0.0	0.0
5/15/2018 11:15	25.1	25.1	7.85	6.95	7.36	6.46	75.2	75.2	157.1
5/15/2018 16:20	5.1	30.2	7.79	6.89	7.25	6.35	85.3	85.2	175.5
5/24/2018 8:30	208.2	208.2	7.72	6.82	7.02	6.12	96.9	96.9	213.9
5/30/2018 10:30	146.0	146.0	7.61	6.71	6.88	5.98	115.3	115.3	237.3
6/8/2018 9:30	215.0	215.0	7.48	6.58	6.66	5.76	137.1	137.1	274.0
6/12/2018 9:00	95.5	95.5	7.45	6.55	6.58	5.68	142.1	142.1	287.5
6/15/2018 16:27	79.5	79.5	7.41	6.51	6.51	5.61	148.7	148.7	299.1
6/19/2018 17:21	96.9	96.9	7.41	6.51	6.51	5.61	148.7	148.7	299.1
6/27/2018 9:00	183.7	183.7	7.41	6.51	6.4	5.5	148.7	148.7	317.5
6/28/2018 10:30	25.5	25.5	8.31	7.41	8.28	7.38	0	0.0	3.4
7/3/2018 14:38	124.1	124.1	8.26	7.36	8.18	7.28	6.7	6.7	20.1
7/10/2018 14:20	167.7	167.7	8.23	7.33	8.07	7.17	11.7	11.7	38.4
7/25/2018 14:05	359.8	359.8	8.19	7.29	7.92	7.02	18.4	18.4	63.5
8/8/2018 10:50	332.8	332.8	8.15	7.25	7.76	6.86	25.1	25.1	90.2
8/16/2018 18:35	199.7	199.7	8.11	7.21	7.66	6.76	31.7	31.8	106.9
8/28/2018 10:31	279.9	279.9	8.05	7.15	7.52	6.62	41.8	41.8	130.4
9/4/2018 10:20	167.8	167.8	8.00	7.1	7.42	6.52	50.1	50.1	147.1
5/7/2019 11:15	0.0	0.0	8.30	7.4	8.30	7.4	0	0.0	0.0
5/7/2019 17:23	6.1	6.1	8.30	7.4	8.23	7.33	0	0.0	11.7
5/14/2019 17:23	168.0	168.0	8.21	7.31	8.02	7.12	15	15.1	46.8
5/22/2019 16:15	190.9	190.9	8.17	7.27	7.8	6.9	21.7	21.7	83.6
5/28/2019 16:57	144.7	144.7	8.11	7.21	7.65	6.75	31.7	31.8	108.6
6/4/2019 7:38	158.7	158.7	8.09	7.19	7.57	6.67	35.1	35.1	122.1
6/5/2019 7:38	24.0	24.0	8.09	7.19	8.57	7.67	36.1	35.1	123.1
5/20/2020 10:00	0.0	0.0	8.31	7.41	8.31	7.41	0	0.0	0.0
5/20/2020 16:00	6.0	6.0	8.31	7.41	8.3	7.40	0	0.0	0.0
5/26/2020 16:00	144.0	144.0	8.31	7.41	8.25	7.35	0	0.0	8.4
6/9/2020 16:00	336.0	336.0	8.31	7.41	8.25	7.35	0	0.0	8.4

Table 8
MRW-3 LNAPL Recovery

1,000 Gallon Product							
Date / Time	LNAPL Volume (gallons)	LNAPL Volume (gallons, calc)	Total LNAPL Recovered Since Previous Monitoring Day (gallons)	Cumulative Holding Tank LNAPL Volume (gallons)	Monitoring Period LNAPL Recovery (gallons/day)	Total Pilot Test LNAPL Recovered (gallons)	Comments
8/22/2017 8:18	38.5	38.4	5.0	1696.9	0.7	1253.7	Last MWAST-4 Reading Before Switch to MRW-3
8/22/2017 15:00	40.2	40.1	1.7	40.1	6.0	1.7	Tank switch to MRW-3 recovery only @ 15:00. 1253.7 final for MWAST-4. MRW-3 Pilot Test Began with 38.43 Gallons of LNAPL in the Holding Tank
8/23/2017 16:50	43.4	43.5	3.3	43.4	3.1	5.0	MRW-3 Recovery in blue.
8/30/2017 9:36	51.8	51.8	8.4	51.8	1.2	13.4	
8/30/2017 11:00	0.0	0.0	0.0	51.8	1.2	13.4	Mid summer pump out. Water table very high. System set to 40 min refill, 30 sec discharge
9/7/2017 17:45	15.0	15.1	15.0	66.8	1.8	28.4	Timer set to 22 on, 2 off. Refill at 40 min and discharge at 30 sec.
9/14/2017 14:10	30.0	30.1	15.0	81.9	2.2	43.5	Timer set to 22 on, 2 off. Refill at 40 min and discharge at 30 sec.
9/19/2017 14:21	38.5	38.4	8.4	90.2	1.7	51.8	Timer set to 22 on, 2 off. Refill at 30 min and discharge at 30 sec.
9/27/2017 13:31	48.5	48.5	10.0	100.3	1.3	61.9	Timer set to 22 on, 2 off. Refill at 40 min and discharge at 30 sec.
10/4/2017 15:11	55.2	55.1	6.7	106.9	0.9	68.5	Timer set to 22 on, 2 off. Refill at 30 min and discharge at 30 sec.
10/12/2017 16:30	73.6	73.5	18.4	125.3	2.3	86.9	Timer set to 22 on, 2 off. Refill at 30 min and discharge at 30 sec.
10/19/2017 12:45	88.6	88.6	15.0	140.3	2.2	101.9	Timer set to 22 on, 2 off. Refill at 40 min and discharge at 30 sec.
10/26/2017 12:45	100.3	100.3	11.7	152.0	1.7	113.6	Timer set to 22 on, 2 off. Refill at 40 min and discharge at 30 sec.
11/8/2017 8:45	117.0	117.0	16.7	168.8	0.0	130.4	Ice at base of tank, WL is top of ice. System off 10/27 due to power outage.
11/8/2017 10:15	0.0	0.0	0.0	168.8	0.0	130.4	Ice at base of tank, WL is top of ice. Data after pump out.
5/15/2018 11:15	81.9	81.9	0.0	168.6	0.0	130.4	System Start-up T=0 (From MWAST-4 Accumulation)
5/15/2018 16:20	90.3	90.2	8.4	177.0	6.7	138.7	Start of collection for MRW-3. Began with 81.9 gallons of product in tank.
5/24/2018 8:30	117.0	117.0	26.7	203.7	3.1	165.4	Set to 30 min Refill, 30 sec Discharge, 22 ON, 2 OFF
5/30/2018 10:30	122.0	122.0	5.0	208.7	0.8	170.5	Set to 30 min Refill, 30 sec Discharge, 22 ON, 2 OFF
6/8/2018 9:30	136.9	137.0	15.0	223.7	1.7	185.4	Set to 40 min Refill, 30 sec Discharge, 22 ON, 2 OFF
6/12/2018 9:00	145.4	145.4	8.5	232.2	2.1	193.9	Set to 40 min Refill, 30 sec Discharge, 22 ON, 2 OFF
6/15/2018 16:27	150.4	150.4	4.9	237.1	1.5	198.8	Air turned off for system 16:40
6/19/2018 17:21	150.4	150.4	0.0	237.1	0.0	198.8	Set to 40 min Refill, 30 sec Discharge, 22 ON, Air turned on for system 17:30
6/27/2018 9:00	168.8	168.8	18.4	255.5	2.4	217.2	
6/28/2018 10:30	3.4	3.4	0.0	255.5	0.0	217.2	System Pump Out
7/3/2018 14:38	13.4	13.4	10.0	265.5	1.9	227.2	Set to 60 min Refill, 30 sec Discharge, 22 ON, 2 OFF
7/10/2018 14:20	26.7	26.7	13.3	268.8	1.9	240.5	Set to 60 min Refill, 30 sec Discharge, 22 ON, 2 OFF
7/25/2018 14:05	45.1	45.1	18.4	283.9	1.2	258.9	Set to 60 min Refill, 30 sec Discharge, 22 ON, 2 OFF
8/8/2018 10:50	65.1	65.2	20.0	288.8	1.4	279.0	Set to 60 min Refill, 30 sec Discharge, 22 ON, 2 OFF
8/16/2018 18:35	75.1	75.2	10.0	293.9	1.2	289.0	Set to 60 min Refill, 30 sec Discharge, 22 ON, 2 OFF
8/28/2018 10:31	88.6	88.6	13.5	302.3	1.2	302.4	Set to 60 min Refill, 30 sec Discharge, 22 ON, 2 OFF
9/4/2018 10:20	97.0	96.9	8.3	310.6	1.2	310.8	FINAL MRW-3 Reading, System air turned off 10:18, MRW-3 pump removed, MWAST-4 Installed and connected to Tank
5/7/2019 11:15	0.0	0.0	0.0	310.6	0.0	310.8	System Start-up T=0, Start of collection for MRW-3. Began with 0 gallons in tank.
5/7/2019 17:23	11.7	11.7	11.7	322.3	45.8	322.5	Set to 40 min Refill, 30 sec Discharge, 22 ON, Air turned on for system 16:30
5/14/2019 17:23	31.7	31.8	20.0	342.4	2.9	342.5	Set to 40 min Refill, 30 sec Discharge, 22 ON, 2 OFF
5/22/2019 16:15	61.9	61.8	30.1	372.5	3.8	372.7	Set to 40 min Refill, 30 sec Discharge, 22 ON, 2 OFF
5/28/2019 16:57	76.8	76.9	15.0	387.5	2.5	387.6	Set to 60 min Refill, 30 sec Discharge, 20 ON, 4 OFF
6/4/2019 7:38	87.0	86.9	10.2	397.6	1.5	397.8	System shut off 6/4/2019, Pump Removed
6/5/2019 7:38	0.0	0.0	0.0	397.6	0.0	397.8	Pump Out
5/20/2020 10:00	0.0	0.0	0.0	397.6	0.0	397.8	Stationary Pump Installed. Pre system values. System startup T=0
5/20/2020 16:00	0.0	0.0	0.0	397.6	0.0	397.8	
5/26/2020 16:00	8.4	8.4	8.4	406.0	1.4	406.2	
6/9/2020 16:00	8.4	8.4	0.0	406.0	0.0	406.2	

**Table 8
MRW-3 LNAPL Recovery**

1,000 Gallon Product Storage Tank (MRW-3)									
Date / Time	Period Run Time	Run Time Per Day	Depth to Water (feet from TOC)	Water Level (feet from tank top)	Depth to LNAPL (feet from TOC)	LNAPL Level (feet from tank top)	Water Volume (gallons, from chart)	Water Volume (gallons, calculated)	Total Liquid Volume (gallons, from chart)
6/22/2020 12:30	308.5	308.5	8.31	7.41	8.17	7.27	0	0.0	21.7
7/6/2020 12:30	336.0	336.0	8.31	7.41	8.14	7.24	0	0.0	26.8
7/20/2020 12:30	336.0	336.0	8.31	7.41	8.14	7.24	0	0.0	26.8
7/28/2020 12:30	192.0	192.0	8.31	7.41	8.14	7.24	0	0.0	26.8
8/12/2020 12:30	360.0	360.0	8.31	7.41	8.10	7.20	0	0.0	33.4
8/25/2020 15:19	314.8	314.8	8.17	7.27	7.84	6.94	21.7	21.7	76.9
9/8/2020 11:30	332.2	332.2	8.12	7.22	7.65	6.75	30.1	30.1	108.6
9/23/2020 14:40	363.2	363.2	8.12	7.22	7.57	6.67	30.1	30.1	122.1
10/7/2020 11:20	332.7	332.7	8.05	7.15	7.45	6.55	41.8	41.8	142.1
10/20/2020 15:20	316.0	316.0	7.99	7.09	7.29	6.39	51.8	51.8	168.8
4/28/2021 11:30	0.00	0.00	8.31	7.4	8.31	7.41	0	0.0	0.0
4/29/2021 8:45	21.3	21.3	8.31	7.41	8.21	7.31	0	0.0	15.0
5/6/2021 15:20	174.6	174.6	8.25	7.35	8.05	7.15	8.4	8.4	41.8
5/13/2021 17:05	169.7	169.7	8.17	7.27	7.92	7.02	21.7	21.7	63.5
5/19/2021 13:55	140.8	140.8	8.15	7.25	7.87	6.97	25.1	25.1	71.8
5/28/2021 8:00	210.1	210.1	8.14	7.24	7.83	6.93	26.8	26.8	78.6
6/8/2021 11:55	267.9	267.9	8.11	7.21	7.76	6.86	31.7	31.8	90.2
6/22/2021 13:30	337.6	337.6	8.10	7.20	7.71	6.81	33.4	33.4	98.6
7/1/2021 12:55	215.4	215.4	8.10	7.20	7.63	6.73	33.4	33.4	112.0
7/12/2021 11:40	262.7	262.7	8.08	7.18	7.55	6.65	36.8	36.8	125.5
7/27/2021 11:52	360.2	360.2	8.08	7.18	7.46	6.56	36.8	36.8	140.4
8/3/2021 10:51	167.0	167.0	8.07	7.17	7.4	6.5	38.4	38.4	150.4
8/10/2021 11:15	168.4	168.4	8.06	7.16	7.34	6.44	40.1	40.1	160.5
8/24/2021 12:52	337.6	337.6	8.05	7.15	7.25	6.35	41.8	41.8	175.5
8/31/2021 12:52	168.0	168.0	8.05	7.15	7.19	6.29	41.8	41.8	185.5
9/14/2021 14:00	337.1	337.1	8.05	7.15	7.09	6.19	41.8	41.8	202.2
9/28/2021 13:38	335.6	335.6	8.03	7.13	7.00	6.10	45.1	45.1	217.3
10/5/2021 17:38	172.0	172.0	8.02	7.12	6.94	6.04	46.8	46.8	227.3
10/19/2021 0:00	318.4	318.4	8.01	7.11	6.84	5.94	48.5	48.5	244.0
10/28/2021 17:30	233.5	233.5	8.00	7.10	6.8	5.9	50.1	50.1	250.7

**Table 8
MRW-3 LNAPL Recovery**

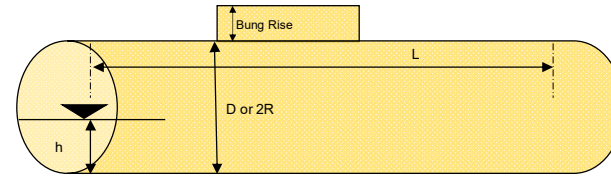
1,000 Gallon Product							
Date / Time	LNAPL Volume (gallons)	LNAPL Volume (gallons, calc)	Total LNAPL Recovered Since Previous Monitoring Day (gallons)	Cumulative Holding Tank LNAPL Volume (gallons)	Monitoring Period LNAPL Recovery (gallons/day)	Total Pilot Test LNAPL Recovered (gallons)	Comments
6/22/2020 12:30	21.7	21.7	13.3	419.3	1.0	419.5	
7/6/2020 12:30	26.8	26.8	5.1	424.4	0.4	424.6	Stationary Pump removed and Track pump installed in MRW-3.
7/20/2020 12:30	26.8	26.8	0.0	424.4	0.0	424.6	
7/28/2020 12:30	26.8	26.8	0.0	424.4	0.0	424.6	Track Pump removed, Stationary Pump Installed in MRW-3.
8/12/2020 12:30	33.4	33.4	6.6	431.0	0.4	431.2	Stationary Pump from LRMW-7 installed in MRW-3.
8/25/2020 15:19	55.2	55.1	21.8	452.8	1.7	453.0	
9/8/2020 11:30	78.5	78.5	23.3	476.1	1.7	476.3	
9/23/2020 14:40	92.0	91.9	13.5	489.6	0.9	489.8	
10/7/2020 11:20	100.3	100.3	8.3	497.9	0.6	498.1	
10/20/2020 15:20	117.0	117.0	16.7	514.6	1.3	514.8	Pump Out
4/28/2021 11:30	0.0	0	0	514.6	0	514.8	Stationary Pump Installed. Pre system values. System startup T=0
4/29/2021 8:45	15.0	15.1	15.0	529.6	16.9	529.8	
5/6/2021 15:20	33.4	33.4	18.4	548.0	2.5	548.2	
5/13/2021 17:05	41.8	41.8	8.4	556.4	1.2	556.6	
5/19/2021 13:55	46.7	46.8	4.9	561.3	0.8	561.5	
5/28/2021 8:00	51.8	51.8	5.1	566.4	0.6	566.6	
6/8/2021 11:55	58.5	58.5	6.7	573.1	0.6	573.3	
6/22/2021 13:30	65.2	65.2	6.7	579.8	0.5	580.0	
7/1/2021 12:55	78.6	78.5	13.4	593.2	1.5	593.4	
7/12/2021 11:40	88.7	88.6	10.1	603.3	0.9	603.5	
7/27/2021 11:52	103.6	103.6	14.9	618.2	1.0	618.4	
8/3/2021 10:51	112.0	112.0	8.4	626.6	1.2	626.7	
8/10/2021 11:15	120.4	120.3	8.4	635.0	1.2	635.2	
8/24/2021 12:52	133.7	133.696	13.3	648.3	0.9	648.5	
8/31/2021 12:52	143.7	143.7232	10.0	658.3	1.4	658.5	
9/14/2021 14:00	160.4	160.4352	16.7	675.0	1.2	675.2	
9/28/2021 13:38	172.2	172.1336	11.8	686.8	0.8	687.0	
10/5/2021 17:38	180.5	180.4896	8.3	695.1	1.2	695.3	
10/19/2021 0:00	195.5	195.5304	15.0	710.1	1.1	710.3	
10/28/2021 17:30	200.6	200.544	5.1	715.2	0.5	715.4	Pump Out



Table 9
LRMW-7 Monitoring
Calculations for Fluid Recovery and Drainage in a Horizontal Tank
 BP Superior Terminal (Bail tank 1000 Gal tank (formally TRFT tank))
 Superior, Wisconsin

AST Inside Diameter (in.)	63
AST Inside Radius (inches)	31.5
AST Inside Length (in)	71
Bung Rise (in.)	8.04
Bung Rise (in.) starting 8.5.19	1.56
Depth of tank from top of bung thru 8.5.19 (ft)	5.92
Depth of tank from top of bung starting 8.5.19 (ft)	5.38
Tank Capacity (gal)	958.1

	Data Entry
	Calculated Cell



$$Volume = \left[R^2 \cos^{-1} \left(\frac{R-h}{R} \right) - (R-h) \sqrt{2Rh - h^2} \right] L$$

Date	Well	DTP ₁ (ft)	DTW ₁ (ft)	Product h (ft)	Water h (ft)	Product (gal)	Water (gal)	Product (gal/day)	Product Recovered Since Last Monitoring Event (gal)	Water (gal/day)	Total Pilot Test LNAPL Recovered (gal)	Tank Volume Remaining	Comments/Observations
8/30/17 11:00	Bailed	5.87		0.05	0.00	1.51	0.00				1.5	956.6	
9/7/17 17:45	Bailed	5.81		0.11	0.00	4.90	0.00	0.41	3.39		4.9	953.2	
9/19/17 14:16		5.78		0.14	0.00	7.03	0.00	0.18	2.12		7.0	951.1	
9/27/17 13:26		5.69		0.23	0.00	14.72	0.00	0.97	7.69		14.7	943.4	Pump Level at 4. Refill set to 40 minute recharge with 30 sec discharge.
10/4/17 15:14		5.48	5.67	0.19	0.25	21.80	16.66	1.00	7.08	0.42	21.8	919.7	
10/12/17 16:16		5.35	5.59	0.24	0.33	31.11	25.14	1.16	9.31	0.95	31.1	901.9	
10/19/17 12:50		5.22	5.53	0.31	0.39	43.75	32.19	1.84	12.64	0.97	43.8	882.2	
10/26/17 10:16		5.15	5.46	0.31	0.46	46.17	41.06	0.35	2.42	0.78	46.2	870.9	
10/26/17 18:09		4.78	5.43	0.65	0.49	108.35	45.06		62.18		108.4	804.7	62.18 gal added to tank from gauge and bail
11/7/17 10:30		4.70	5.30	0.60	0.62	105.30	63.62			0.63		789.2	Ice at base of tank, WL is top of ice. System off since 10/27 due to power outage.
11/8/17 10:20		5.21	5.30	0.09	0.62	13.91	63.62	0.00	0.00	0.00	108.4	880.6	Ice at base of tank, WL is top of ice. Data after pump out.
5/14/18 10:10		5.29	5.34	0.05	0.58	7.42	57.71		7.42		108.4	893.0	T=0 Conditions (Start of Season)
5/15/18 16:25		5.17	5.34	0.17	0.58	26.25	57.71	3.44	4.33	0.00	112.7	874.2	Bailed (LRMW-7 6 gallons, MRW-3 ~14.5 gallons), Remainder is LRMW-7
5/24/18 8:30		5.09	5.34	0.25	0.58	39.54	57.71	1.53	13.29	0.00	126.0	860.9	
5/30/18 17:15		4.96	5.14	0.18	0.78	31.08	88.88		-8.46	0.20		838.2	
6/8/18 9:35		4.84	5.05	0.21	0.87	37.92	104.10	0.79	6.84	0.57	132.8	816.1	
6/12/18 9:55		4.80	5.02	0.22	0.90	40.27	109.32	0.58	2.35	0.77	135.2	808.5	Air line turned off 6/13 18:00
6/15/18 16:32		4.77	5.00	0.23	0.92	42.49	112.84	0.68	2.22	0.93	137.4	802.8	Air line turned on 6/15 16:30 22 ON 2 OFF 40 min refill, 30 sec discharge
6/19/18 17:25		4.70	4.94	0.24	0.98	45.35	123.57	0.70	2.86	0.38	140.2	789.2	
6/27/18 9:00		4.65	4.94	0.29	0.98	55.24	123.57	1.09	9.88	0.00	150.1	779.3	22 ON 2 OFF 40 min refill, 30 sec discharge
6/28/18 10:35		5.80	5.92	0.12	0.00	5.58	0.00		0.00		150.1	952.5	System Pump Out
7/3/18 14:40		5.66	5.73	0.07	0.19	6.58	11.08	0.19	1.00	0.47	151.1	940.5	22 ON 2 OFF 60 min refill, 30 sec discharge
7/10/18 14:25		5.57	5.69	0.12	0.23	12.71	14.72	0.88	6.13	1.92	157.3	930.7	
7/25/18 14:05		5.47	5.65	0.18	0.27	21.08	18.67	0.56	8.36	3.79	165.6	918.4	Field Notes Wrong (Meant to Say 5.47 and 5.65).
8/8/18 10:50		5.41	5.65	0.24	0.27	29.11	18.67	0.58	8.03	0.00	173.7	910.3	
8/16/18 12:00		5.35	5.60	0.25	0.32	32.23	24.02	0.39	3.12	1.50	176.8	901.9	
8/28/18 10:12		5.34	5.60	0.26	0.32	33.68	24.02	0.12	1.45	0.00	178.2	900.4	
9/4/18 10:25		5.32	5.59	0.27	0.33	35.50	25.14	0.26	1.82	6.26	180.0	897.5	FINAL, System Air Tuned off 10:18, System Pump removed, ~2.5 gallons bailed fi
10/30/18 8:30		5.85	5.85	0.00	0.07	0.00	2.49			0.00	180.0	955.6	System Pump Out
5/7/19 10:30		5.82	5.84	0.02	0.08	1.21	3.05	0.01	1.21		181.3	953.9	T=0 Conditions (Start of Season)
5/7/19 18:00		5.72	5.84	0.12	0.08	8.91	3.05	0.05	8.91		190.2	946.2	
5/14/19 16:35		5.55	5.68	0.13	0.24	14.10	15.68	0.75	5.19	0.55	195.4	928.3	
5/22/19 16:00		5.42	5.57	0.15	0.35	18.98	27.43	0.61	4.88	0.68	200.2	911.7	
5/28/19 17:00		5.32	5.50	0.18	0.42	24.73	35.91	0.95	5.75	0.71	206.0	897.5	20 ON 4 OFF 60 min refill, 30 sec discharge
6/4/19 7:38		5.28	5.48	0.20	0.44	28.18	38.46	0.52	3.45	2.59	209.4	891.5	System shut off 6/4/2019, LRMW-7 on gauge and bail schedule
6/4/19 9:38		5.28	5.48	0.20	0.44	28.18	38.46					891.5	System pump out
5/20/20 7:38		4.50	5.04	0.54	0.34	79.55	26.28	0.15	51.37	0.00	209.4	852.3	T=0 Conditions (Start of Season)

Date	Well	DTP ₁ (ft)	DTW ₁ (ft)	Product h (ft)	Water h (ft)	Product (gal)	Water (gal)	Product (gal/day)	Product Recovered Since Last Monitoring Event (gal)	Water (gal/day)	Total Pilot Test LNAPL Recovered (gal)	Tank Volume Remaining	Comments/Observations
5/20/20 15:38		4.50	5.04	0.54	0.34	79.55	26.28	0.00	0.00	0.00	209.4	852.3	
5/28/20 15:38		4.46	5.04	0.58	0.34	86.56	26.28	0.88	7.01	0.00	216.4	845.3	
6/11/20 9:18		4.45	5.03	0.58	0.35	87.17	27.43	0.05	0.62	11.93	217.1	843.5	
6/22/20 9:18		4.38	4.99	0.61	0.39	95.02	32.19	0.71	7.84	2.31	224.9	830.9	
7/6/20 13:00		4.33	4.94	0.61	0.44	97.96	38.46	0.21	2.94	2.26	227.8	821.7	
7/20/20 11:05		4.30	4.92	0.62	0.46	100.96	41.1	0.22	3.00	5.35	230.8	816.1	
7/28/20 12:45		4.26	4.88	0.62	0.50	103.17	46.4	0.27	2.21	1.51	233.1	808.5	
8/12/20 15:40		4.23	4.86	0.63	0.52	106.16	49.2	0.20	2.99	5.49	236.0	802.8	
8/25/20 15:49		4.22	4.86	0.64	0.52	108.08	49.2	0.15	1.93	0.00	238.0	800.9	
9/8/20 11:25		4.20	4.86	0.66	0.52	111.9	49.2	0.28	3.87	0.00	241.8	797.0	
9/23/20 14:30		4.19	4.86	0.67	0.52	113.9	49.2	0.13	1.94	0.00	243.8	795.1	
10/20/20 15:20		4.08	4.76	0.68	0.62	121.18	63.6	0.27	7.29	1.87	251.1	773.3	
4/28/21 12:18		5.37	5.38	0.01	0.00	0.1	0.0					958.0	T=0 Conditions (Start of Season)
4/29/21 8:50		5.28	5.38	0.10	0.00	4.3	0.0	4.81	4.12	0.00	4.1	953.9	
4/29/21 10:50		5.27	5.38	0.11	0.00	4.9	0.0	7.81	0.65	0.00	4.8	953.2	
5/6/21 15:10		5.26	5.38	0.12	0.00	5.6	0.0	0.09	0.68	0.00	5.4	952.5	
5/13/21 16:56		5.25	5.38	0.13	0.00	6.3	0.0	0.10	0.71	0.00	6.2	951.8	
5/19/21 16:55		5.25	5.38	0.13	0.00	6.3	0.0	0.00	0.00	0.00	6.2	951.8	
5/27/21 8:20		5.25	5.38	0.13	0.00	6.3	0.0	0.00	0.00	0.00	6.2	951.8	Pump Removed. Well on Gauge and Bail Schedule.

Table 10
Groundwater Sampling Plan - 2022
Former Amoco Terminal
Superior, Wisconsin

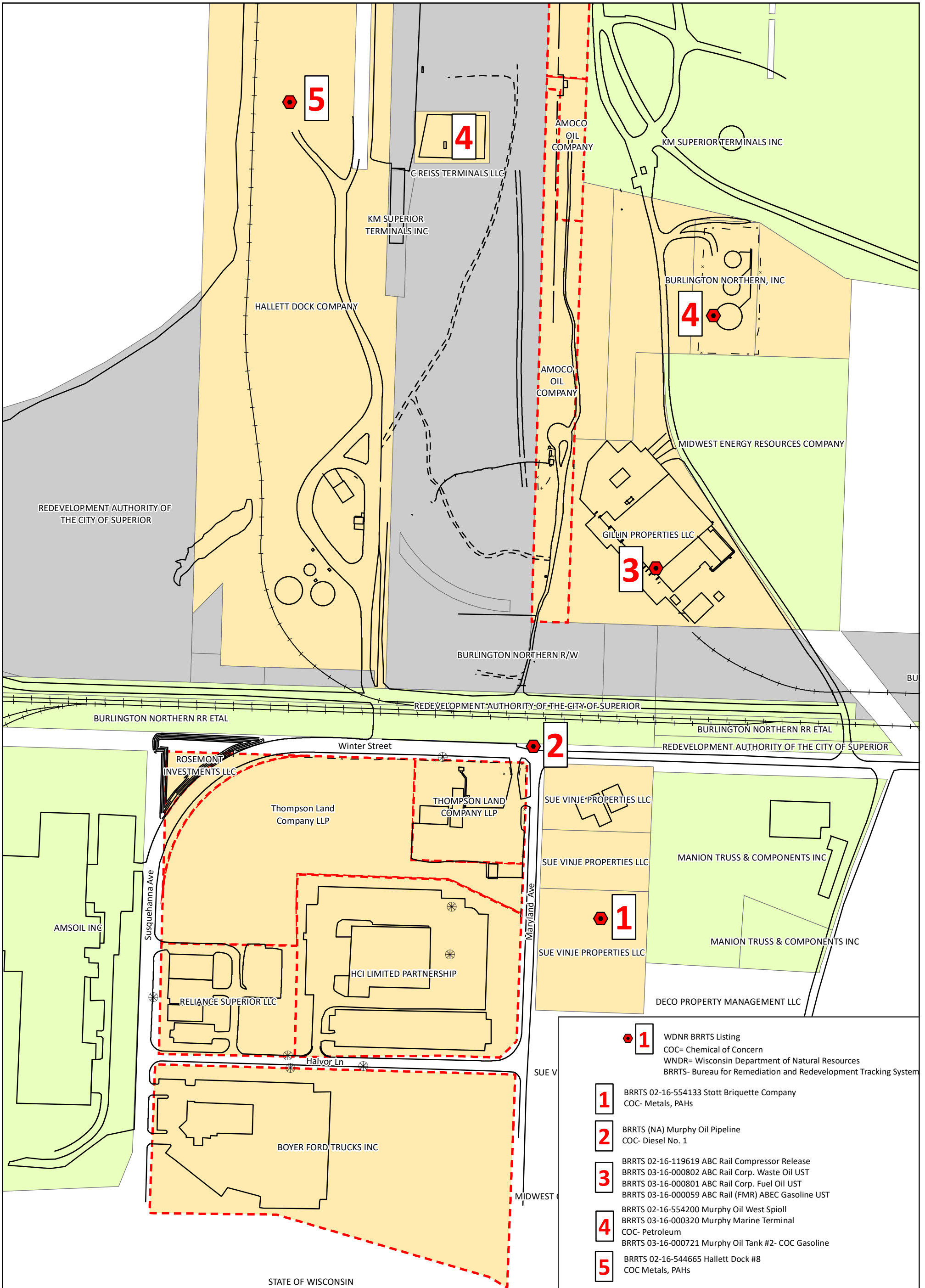
Area/Well	Last Benzene µg/l	Spring Annual Sampling	Semi-Annual Gauge DTW/LNAPL	Annual Gauge DTW/LNAPL (Spring)
EW-5	LNAPL			X
EW-6	LNAPL			X
EW-7	385			X
EW-8	407			X
EW-9	28.1			X
EW-10	1.4			X
EW-11	LNAPL			X
MW-10	3.1			X
MW-14	LNAPL			X
MW-16	LNAPL			X
MW-17	<0.40			X
MW-22	LNAPL			X
MW-23	LNAPL			X
MW-24	LNAPL			X
MW-25	LNAPL			X
MW-26	LNAPL			X
MW-27	LNAPL			X
MW-30D	1910	X		X
MW-30DD	<0.31			X
MW-30S	2210	X		X
MW-30DDD	<0.31			X
MW-31	<0.40			X
MW-32	LNAPL		X	X
MW-33	<0.40			X
MW-36D	1360	X		X
MW-36DD	<0.31			X
MW-36S	<0.31			X
MW-37D	2270	X		X
MW-37DD	1060	X		X
MW-37S	<0.31			X
MW-37DDD	2.2			X
MW-38D	<0.31			X
MW-38S	<0.31			X
MW-38DD	<0.31			X
MW-40D	<0.31	X		X
MW-40S	<0.31			X
MW-41D	0.64J	X		X
MW-41S	<0.31			X
MW-41DD	<0.31			X
MW-45D	104	X		X
MW-45S	<0.31			X
MW-46D	<0.31	X		X
MW-46S	<0.31			X
MW-48S	<0.31			X
MW-48D	<0.40			X
MW-49S	0.32J	X		X
MW-49D	<0.31			X
MW-50D	<0.31			X
MW-51D	<0.31			X
MW-52D	<0.31			X
MW-52DD	<0.31			X
MWT-2D	2520	X		X
MWT-2S	<0.31			X
MWT-6	59.8			X
RW-1	LNAPL			X
RW-3	4560			X
RW-4	LNAPL			X
RW-5	LNAPL			X
RW-6	LNAPL			X
RW-8	LNAPL		X	X
RW-9	LNAPL		X	X
MW-3	7.6			X
MW-35	<0.40			X
MW-34	<0.40			X
MW-47	<0.40			X
MWAST-2	LNAPL			X
MWAST-3	<0.31			X
MWAST-4	LNAPL		X	X
MWAST-6	LNAPL			X
MWAST-8	2840			X
MWAST-9	93.2			X

Table 10
Groundwater Sampling Plan - 2022
Former Amoco Terminal
Superior, Wisconsin

Area/Well	Last Benzene µg/l	Spring Annual Sampling	Semi-Annual Gauge DTW/LNAPL	Annual Gauge DTW/LNAPL (Spring)
RWAST-1	2270			X
RWAST-2	1416			X
LRMW-1	6850			X
LRMW-2	LNAPL			X
LRMW-3	LNAPL			X
LRMW-4	LNAPL			X
LRMW-5	LNAPL			X
LRMW-6	1130			X
LRMW-7	LNAPL		X	X
MWM-2	<0.40			X
MWM-2D	<0.31	X		X
MWM-3	LNAPL		X	X
MWM-4	1.0			X
MWM-6	3.2		X	X
MWM-7	4.0			X
MWM-7D	2650	X		X
MWM-9RD	2350	X		X
MWM-9RS	<0.40			X
MWM-10D	1380	X		X
MWM-10S	<0.40			X
MRW-1	LNAPL			X
MRW-2	LNAPL			X
MRW-3	LNAPL		X	X
MRW-4	LNAPL			X
MRW-5	LNAPL		X	X
MRW-6	LNAPL		X	X
MRW-7	LNAPL		X	X
MRW-8	LNAPL		X	X
MRW-9	LNAPL		X	X
MRW-10	LNAPL		X	X
LRMW-8	815			X
LRMW-9	2270			X
LRMW-10	3060		X	X
LRMW-11	LNAPL		X	X
MWRR-1	<0.40			X
MWRR-1D	302	X		X
MWRR-2	29.8			X
MWRR-4	323			X
MWRR-8	LNAPL		X	X
MWOW-1	377		X	X
MWOW-2	0.44J			X
MWOW-2D	<0.31	X		X
MWOW-3	14.1			X
MWOW-5	1300			X
MWBD-1	<0.40			X
MWBD-1D	68.5	X		X
MWBD-1DD	<0.31			X
Totals:		18	18	118
NOTES:				
X..... = Wells included in the Amoco Barge Dock-Mainfold & AST Area Sampling Plan				
<..... = The compound was not detected at or above the indicated method detection limit. Unlisted detection limit concentrations were unavailable.				
µg/L = Micrograms per liter (equivalent to parts per billion)				
LNAPL = LNAPL in Well, could not be sampled				
"BOLD" = The indicated concentration exceeds the NR 140 ES of 5 µg/L				
NR 140 ES = Wisconsin Administrative Code Chapter NR 140 Enforcement Standard				

Figures

Figure 1	Area Properties Map
Figure 2	Terminal Site Map with BRRTs Numbers
Figure 3	Amoco Barge Dock, Manifold & AST Area Wells
Figure 4	Groundwater Contour Map – May 2021 – Shallow Wells (Barge Dock)
Figure 5	Groundwater Contour Map – May 2021 – Deep Wells (Barge Dock)
Figure 6	Groundwater Contour Map – May 2021 – DD Level Wells (Barge Dock)
Figure 7a	Dissolved Phase Benzene Concentrations – May 2021 – Shallow Wells (Barge Dock)
Figure 7b	Dissolved Phase Benzene Concentrations – October 2021– Shallow Wells (Barge Dock)
Figure 8a	Dissolved Phase Benzene Concentrations – May 2021 – Deep Wells (Barge Dock)
Figure 8b	Dissolved Phase Benzene Concentrations – October 2021– Deep Wells (Barge Dock)
Figure 9a	Dissolved Phase Benzene Concentrations – May 2021 – DD Level Wells (Barge Dock)
Figure 9b	Dissolved Phase Benzene Concentrations – October 2021– DD Level Wells (Barge Dock)
Figure 10	LNAPL Extent Map – June 2021 (Barge Dock)
Figure 11	LNAPL Extent Map – June 2021 (Terminal)
Figure 12a	Barge Dock Phase II System – LNAPL Recovery Graph
Figure 12b	Barge Dock Phase II System – LNAPL Annual Recovery Graph



- 1** WDNR BRRTS Listing
COC= Chemical of Concern
WNR= Wisconsin Department of Natural Resources
BRRTS- Bureau for Remediation and Redevelopment Tracking System
- 1** BRRTS 02-16-554133 Stott Briquette Company
COC- Metals, PAHs
- 2** BRRTS (NA) Murphy Oil Pipeline
COC- Diesel No. 1
- 3** BRRTS 02-16-119619 ABC Rail Compressor Release
BRRTS 03-16-000802 ABC Rail Corp. Waste Oil UST
BRRTS 03-16-000801 ABC Rail Corp. Fuel Oil UST
BRRTS 03-16-000059 ABC Rail (FMR) ABEC Gasoline UST
- 4** BRRTS 02-16-554200 Murphy Oil West Spill
BRRTS 03-16-000320 Murphy Marine Terminal
COC- Petroleum
BRRTS 03-16-000721 Murphy Oil Tank #2- COC Gasoline
- 5** BRRTS 02-16-544665 Hallett Dock #8
COC Metals, PAHs

Legend

- ⊗ Manhole
- +— Railroad
- Active Commercial (Incident)
- Active Commercial (No Incident)
- ⬡ Subject Site
- Vacant

Aerial Source: Douglas County, 2019

0 75 150 300 450 600 Feet

FIGURE 1

AREA PROPERTIES MAP
FORMER AMOCO TERMINAL
SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:3,600
DATE 2/8/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 300 FEET



Legend

- E— Overhead Electric Line
- ST- Abandoned Sewer Line
- +—+ Railroad
- Property Boundary
- Subject Parcels

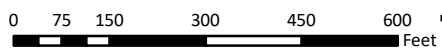
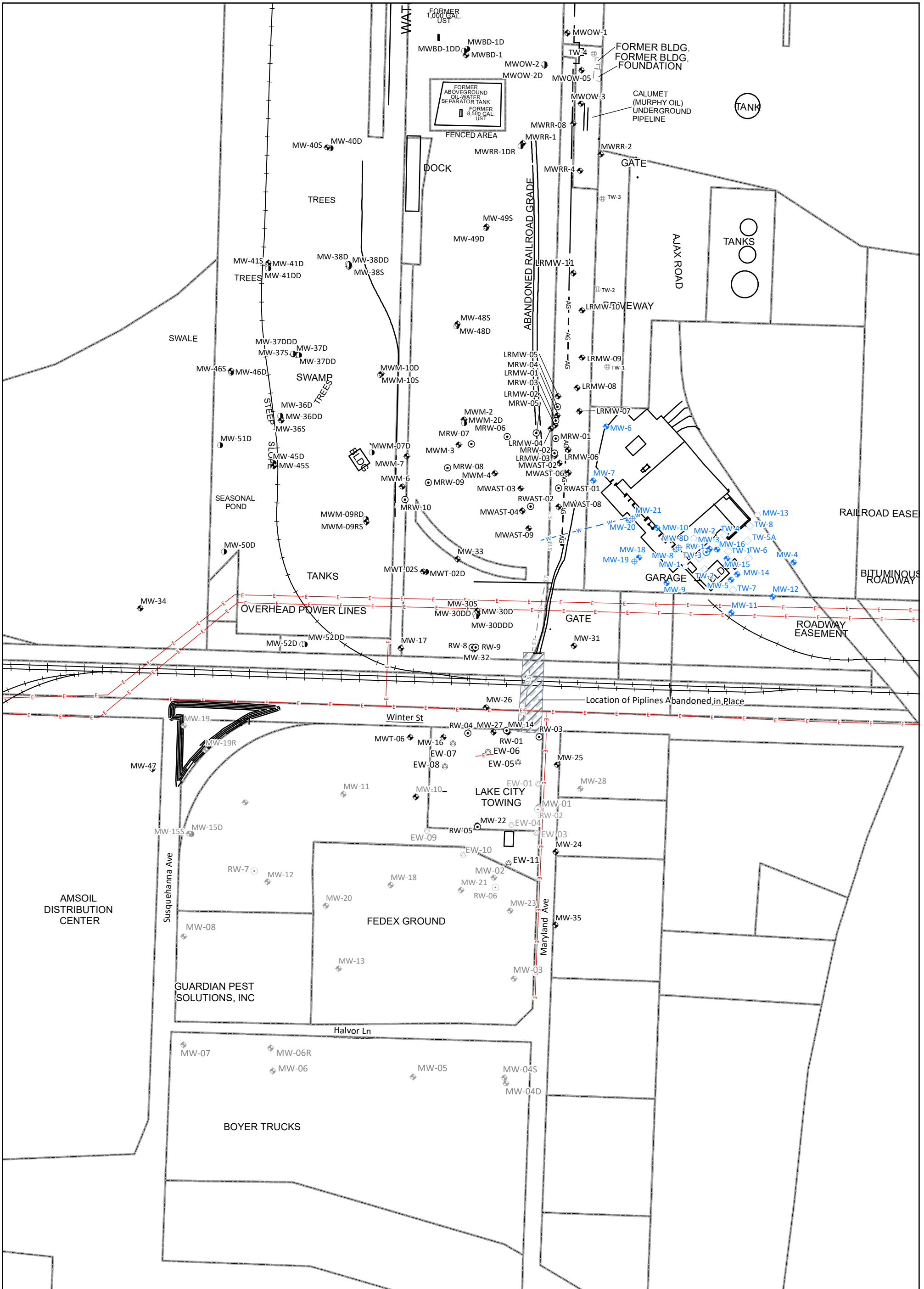


FIGURE 2

SITE MAP
FORMER AMOCO TERMINAL
SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:3,600
DATE 2/8/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 300 FEET





- Legend**
- ⊕ Temporary Well
 - ⊕ Monitoring Well Location
 - ⊕ Abandoned Monitoring Well Location
 - ⊕ Deep Monitoring Well Location
 - ⊕ Abandoned Deep Monitoring Well Location
 - ⊕ Recovery Well Location
 - ⊕ Abandoned Recovery Well Location
 - ⊕ Extraction Well
 - ⊕ Abandoned Extraction Well Location
 - ⊕ ABC Rail Recovery Well
 - ⊕ ABC Rail Temporary Monitoring Well
 - ⊕ ABC Rail Abandoned Monitoring Well
 - ⊕ ABC Rail Monitoring Well
 - ⊕ ABC Rail Piezometer
 - ⊕ Location of Pipelines Abandoned in Place
 - Railroad
 - AG— Above Ground Pipeline (removed)
 - Former Site Feature
 - Overhead Electric Line
 - ST— Abandoned Sewer Line
 - ▭ Property Boundary

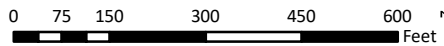
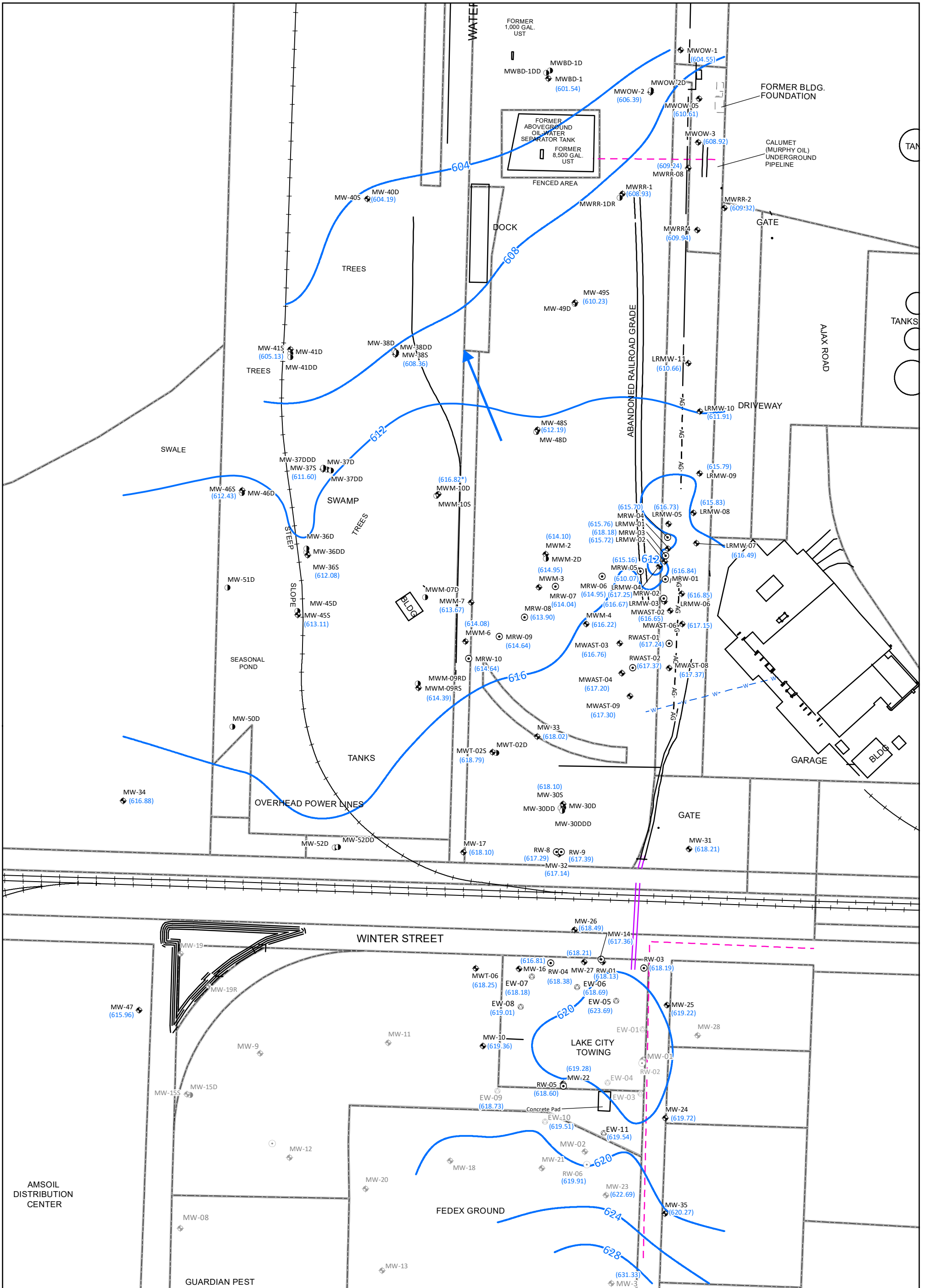


FIGURE 3
TERMINAL AND BARGE DOCK AREA WELLS
WELLS ONLY
FORMER AMOCO TERMINAL
SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:3,600
DATE 2/2/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 300 FEET





Legend

- ◆ Monitoring Well Location
- ◆ Abandoned Monitoring Well Location
- Deep Monitoring Well Location
- Abandoned Deep Monitoring Well Location
- Recovery Well Location
- Abandoned Recovery Well Location
- ⊗ Extraction Well
- ⊗ Abandoned Extraction Well Location
- Groundwater Elevation Contour
- ➔ Inferred Direction of Groundwater Flow
- Former Site Feature
- Murphy Oil Pipeline
- Pipeline
- Railroad
- Property Boundary
- AG- Above Ground Pipeline (removed)

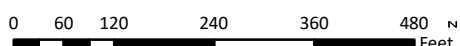
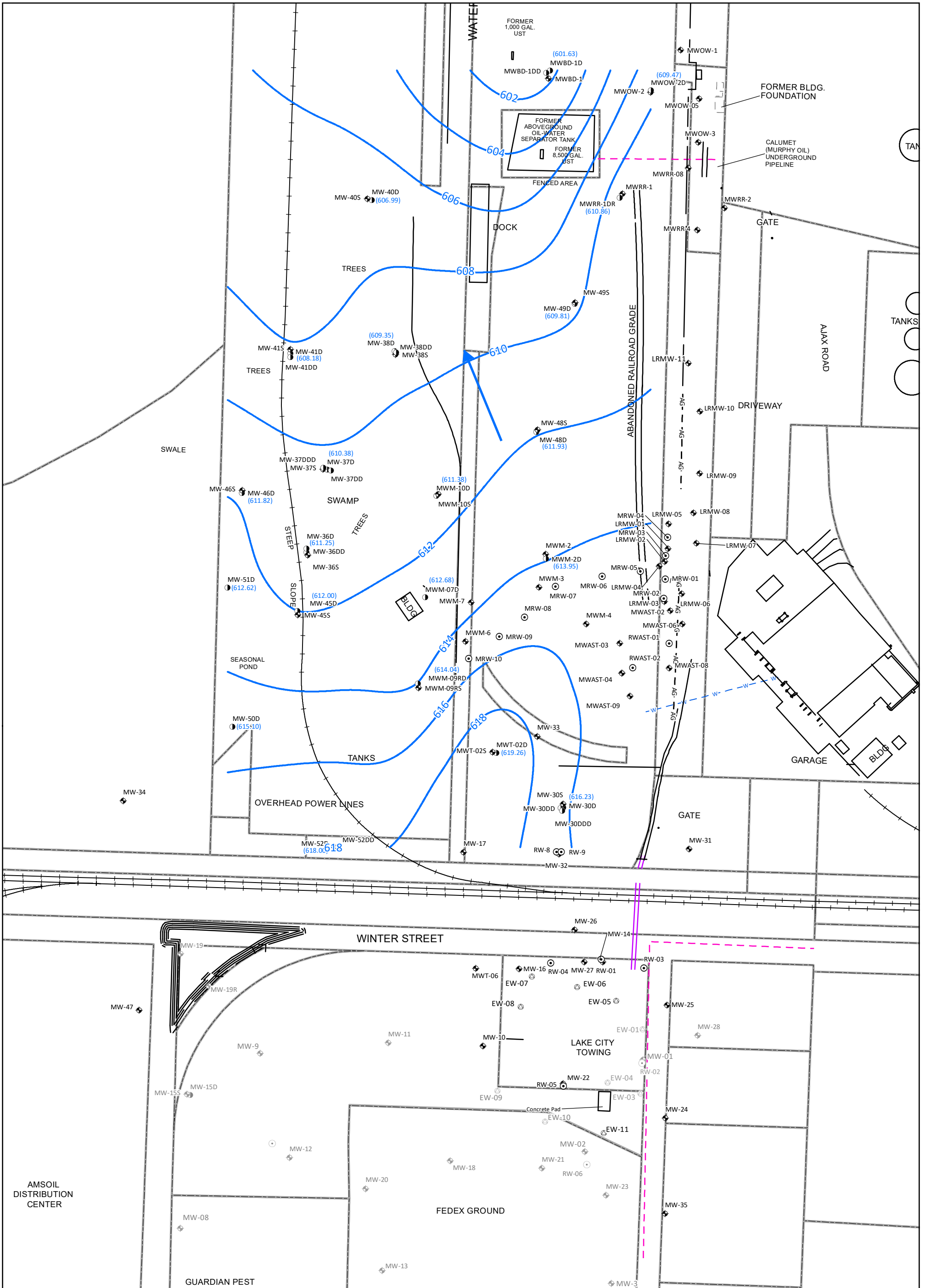


FIGURE 4
GROUNDWATER CONTOUR MAP- MAY 24, 2021
SHALLOW WELLS
FORMER AMOCO TERMINAL
SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,760
DATE 2/2/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 230 FEET





Legend

- ◆ Monitoring Well Location
- ◆ Abandoned Monitoring Well Location
- Deep Monitoring Well Location
- Abandoned Deep Monitoring Well Location -AG- Above Ground Pipeline (removed)
- ⊙ Recovery Well Location
- ⊙ Abandoned Recovery Well Location
- ⊙ Extraction Well
- ⊙ Abandoned Extraction Well Location
- Groundwater Elevation Contour
- ➔ Inferred Direction of Groundwater Flow
- Former Site Feature
- Murphy Oil Pipeline
- Pipeline
- Railroad
- Property Boundary

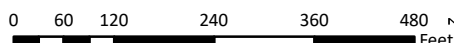
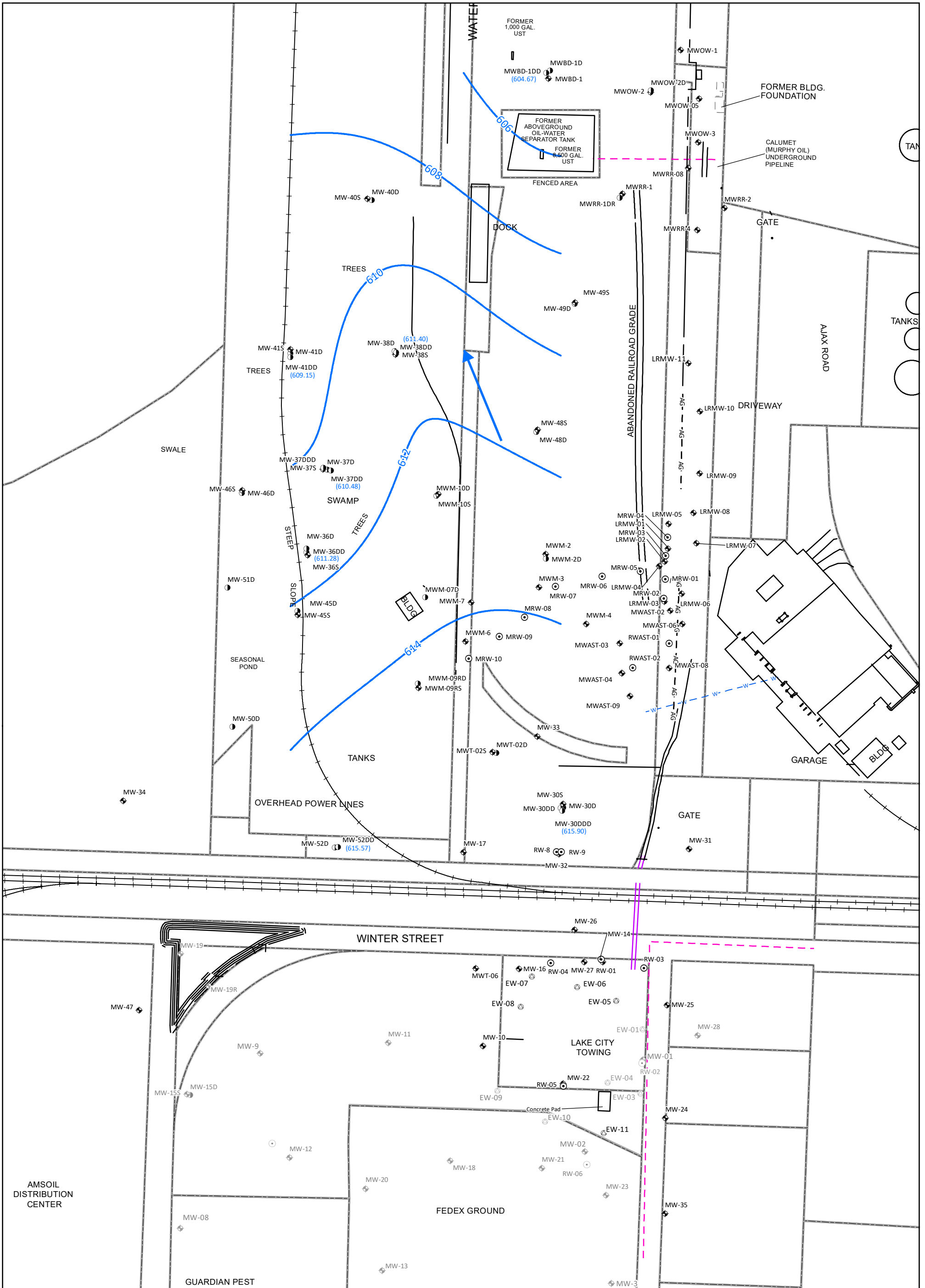


FIGURE 5
GROUNDWATER CONTOUR MAP- MAY 24, 2021
DEEP WELLS
FORMER AMOCO TERMINAL
SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,760
DATE 2/2/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 230 FEET





Legend

- ◆ Monitoring Well Location
- ◆ Abandoned Monitoring Well Location
- Deep Monitoring Well Location
- Abandoned Deep Monitoring Well Location -AG- Above Ground Pipeline (removed)
- ⊙ Recovery Well Location
- ⊙ Abandoned Recovery Well Location
- ⊙ Extraction Well
- ⊙ Abandoned Extraction Well Location
- Groundwater Elevation Contour
- ➔ Inferred Direction of Groundwater Flow
- Former Site Feature
- - - Murphy Oil Pipeline
- Pipeline
- Railroad
- Property Boundary

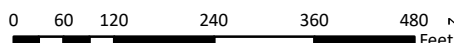
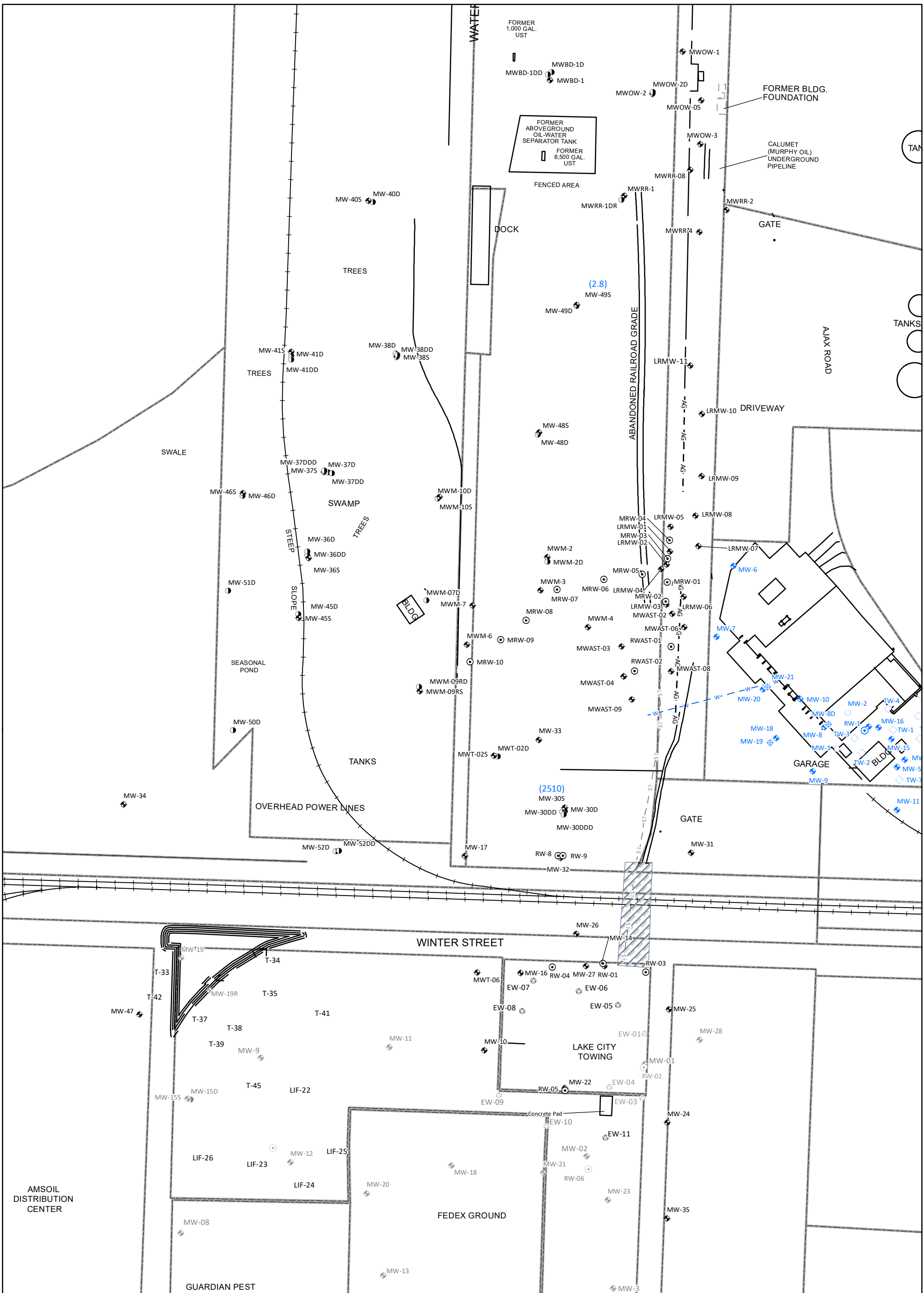


FIGURE 6
GROUNDWATER CONTOUR MAP- MAY 24, 2021
DD LEVEL WELLS
FORMER AMOCO TERMINAL
SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,760
DATE 2/2/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 230 FEET





Legend

- ◆ Monitoring Well Location
- ◆ Abandoned Monitoring Well Location
- Deep Monitoring Well Location
- Abandoned Deep Monitoring Well Location
- Recovery Well Location
- Abandoned Recovery Well Location
- ⊕ Extraction Well
- ⊕ Abandoned Extraction Well Location
- ABC Rail Abandoned Monitoring Well
- ◆ ABC Rail Monitoring Well
- ⊕ ABC Rail Piezometer
- ABC Rail Recovery Well
- ABC Rail Temporary Monitoring Well
- ST- Abandoned Sewer Line
- ▨ Location of Pipelines Abandoned in Place
- AG- Above Ground Pipeline (removed)
- - - Former Site Feature
- Railroad
- ▭ Property Boundary

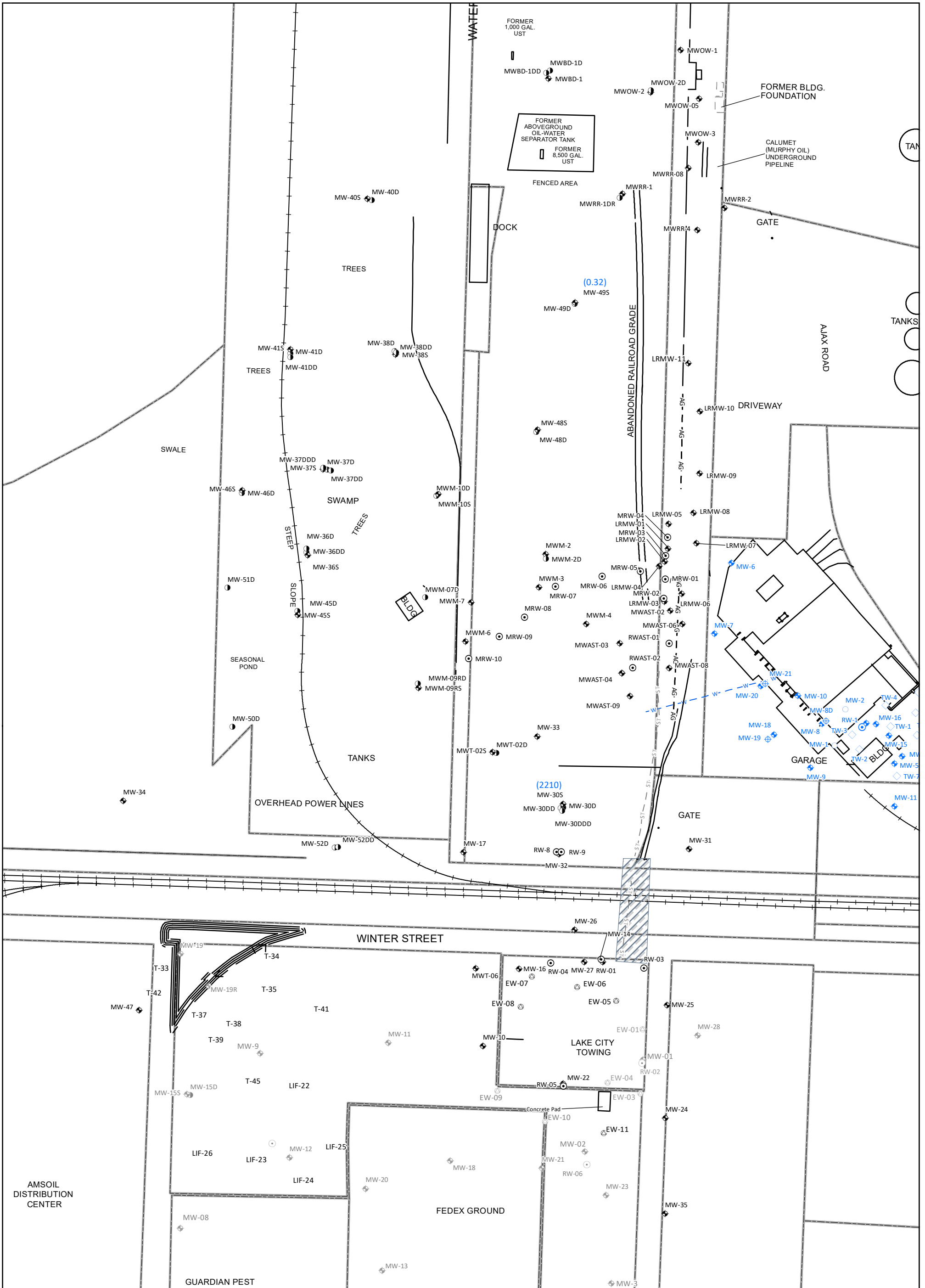
(77.3) Benzene Concentration (ug/L)

0 60 120 240 360 480 Feet

FIGURE 7a
 DISSOLVED PHASE BENZENE CONCENTRATION- MAY 25-26, 2021
 SHALLOW WELLS
 FORMER AMOCO TERMINAL
 SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,760
DATE 2/2/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 230 FEET

anteagroup



Legend

- ◆ Monitoring Well Location
- ◆ Abandoned Monitoring Well Location
- Deep Monitoring Well Location
- Abandoned Deep Monitoring Well Location
- Recovery Well Location
- Abandoned Recovery Well Location
- ⊕ Extraction Well
- ⊕ Abandoned Extraction Well Location
- ABC Rail Abandoned Monitoring Well
- ◆ ABC Rail Monitoring Well
- ⊕ ABC Rail Piezometer
- ABC Rail Recovery Well
- ◆ ABC Rail Temporary Monitoring Well
- ST - Abandoned Sewer Line
- ▨ Location of Pipelines Abandoned in Place
- AG - Above Ground Pipeline (removed)
- - - Former Site Feature
- Railroad
- ▭ Property Boundary

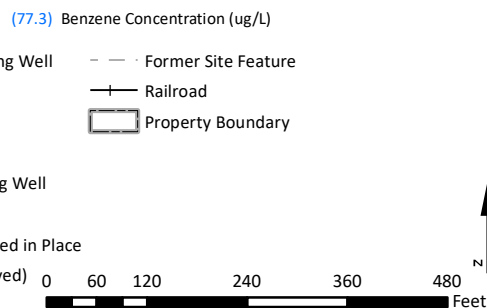
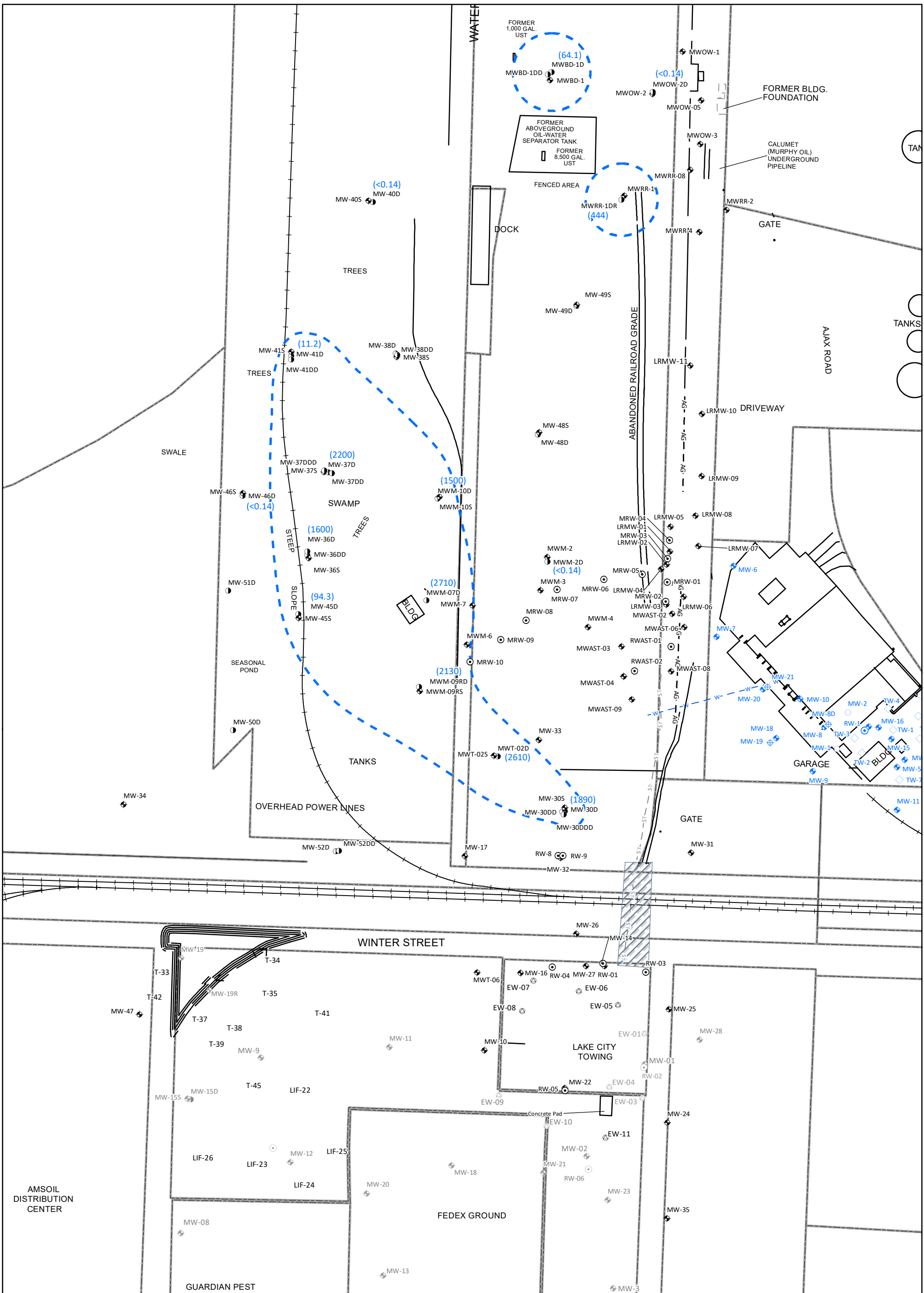


FIGURE 7b
DISSOLVED PHASE BENZENE CONCENTRATION- OCTOBER 4-5, 2021
SHALLOW WELLS
FORMER AMOCO TERMINAL
SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,760
DATE 2/2/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 230 FEET





- Legend**
- ◆ Monitoring Well Location
 - ◆ Abandoned Monitoring Well Location
 - Deep Monitoring Well Location
 - Abandoned Deep Monitoring Well Location
 - Recovery Well Location
 - Abandoned Recovery Well Location
 - ⊕ Extraction Well
 - ⊕ Abandoned Extraction Well Location
 - ABC Rail Abandoned Monitoring Well
 - ◆ ABC Rail Monitoring Well
 - ⊕ ABC Rail Piezometer
 - ⊕ ABC Rail Recovery Well
 - ◇ ABC Rail Temporary Monitoring Well
 - ST- Abandoned Sewer Line
 - ▨ Location of Pipelines Abandoned in Place
 - ▨ Inferred Horizontal Extent of Benzene Contamination
 - AG- Above Ground Pipeline (removed)
 - - Former Site Feature
 - Railroad
 - ▭ Property Boundary

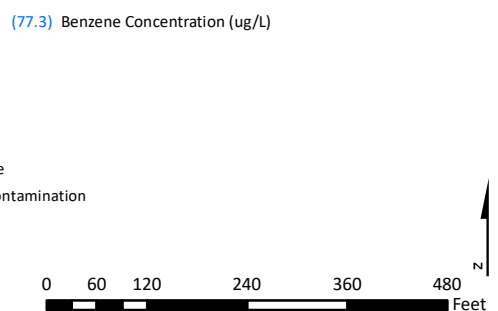
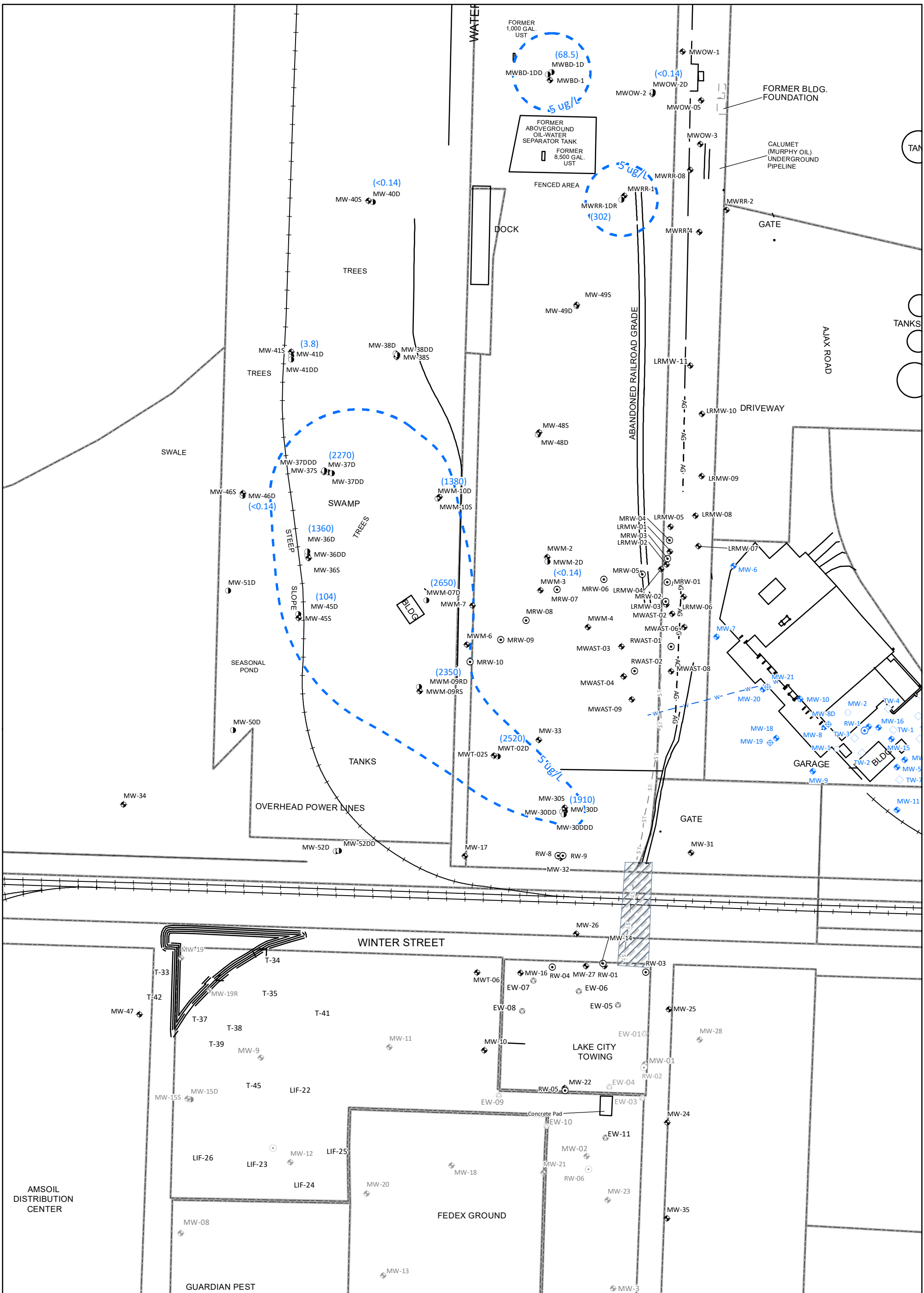


FIGURE 8a
DISSOLVED PHASE BENZENE CONCENTRATION- MAY 25-27, 2021
DEEP WELLS
FORMER AMOCO TERMINAL
SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,760
DATE 2/2/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 230 FEET



- Legend**
- ◆ Monitoring Well Location
 - ◆ Abandoned Monitoring Well Location
 - Deep Monitoring Well Location
 - Abandoned Deep Monitoring Well Location
 - Recovery Well Location
 - Abandoned Recovery Well Location
 - ⊕ Extraction Well
 - ⊕ Abandoned Extraction Well Location
 - ABC Rail Abandoned Monitoring Well
 - ◆ ABC Rail Monitoring Well
 - ⊕ ABC Rail Piezometer
 - ⊕ ABC Rail Recovery Well
 - ◇ ABC Rail Temporary Monitoring Well
 - ST- Abandoned Sewer Line
 - ▨ Location of Pipelines Abandoned in Place
 - ▨ Inferred Horizontal Extent of Benzene Contamination
 - AG- Above Ground Pipeline (removed)
 - - Former Site Feature
 - Railroad
 - ▭ Property Boundary

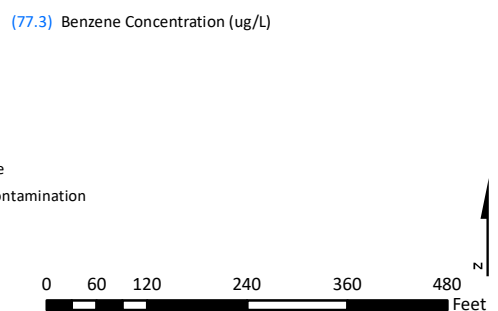
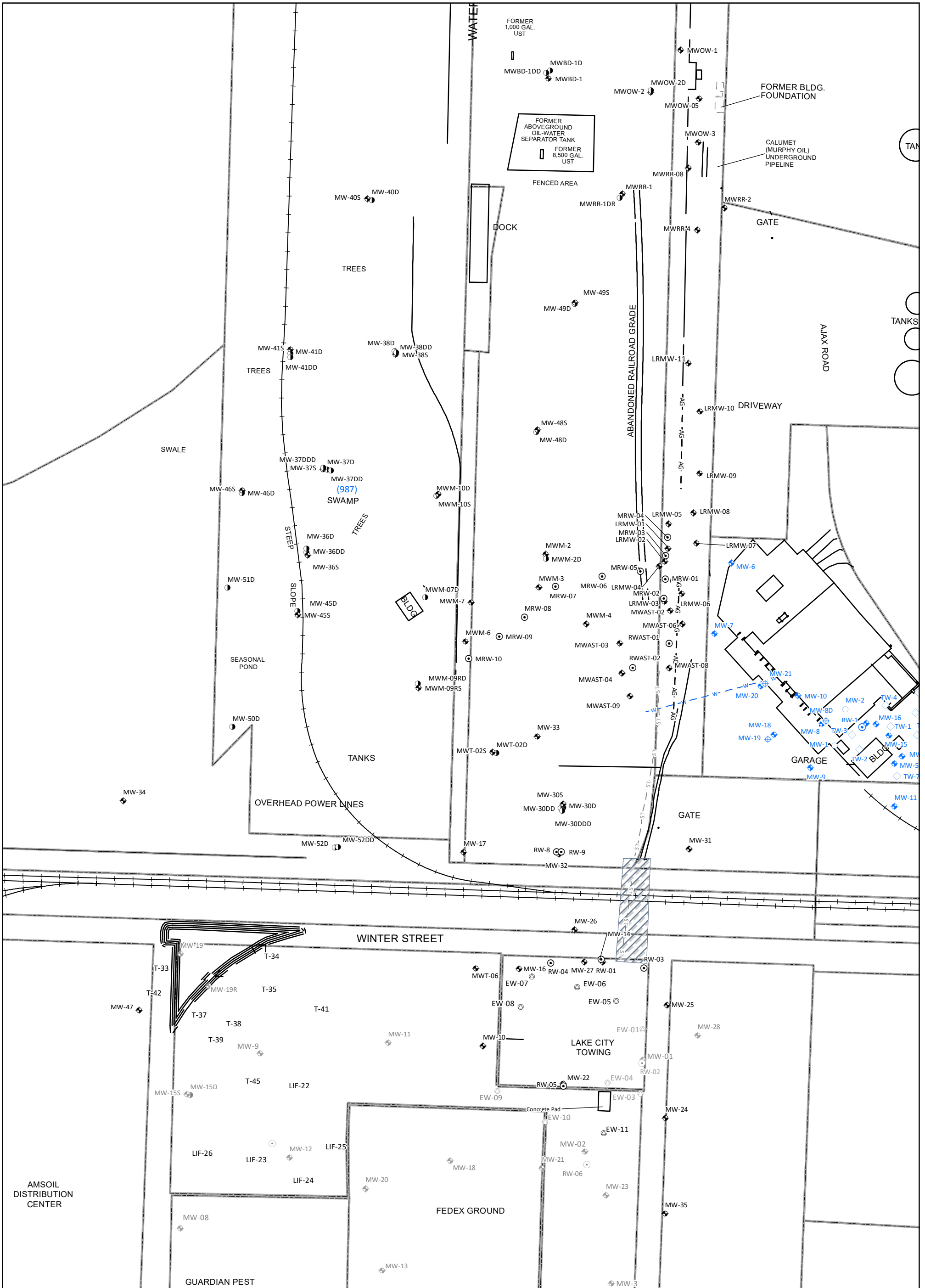


FIGURE 8b
 DISSOLVED PHASE BENZENE CONCENTRATION- OCTOBER 4-5, 2021
 DEEP WELLS
 FORMER AMOCO TERMINAL
 SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,760
DATE 2/2/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 230 FEET

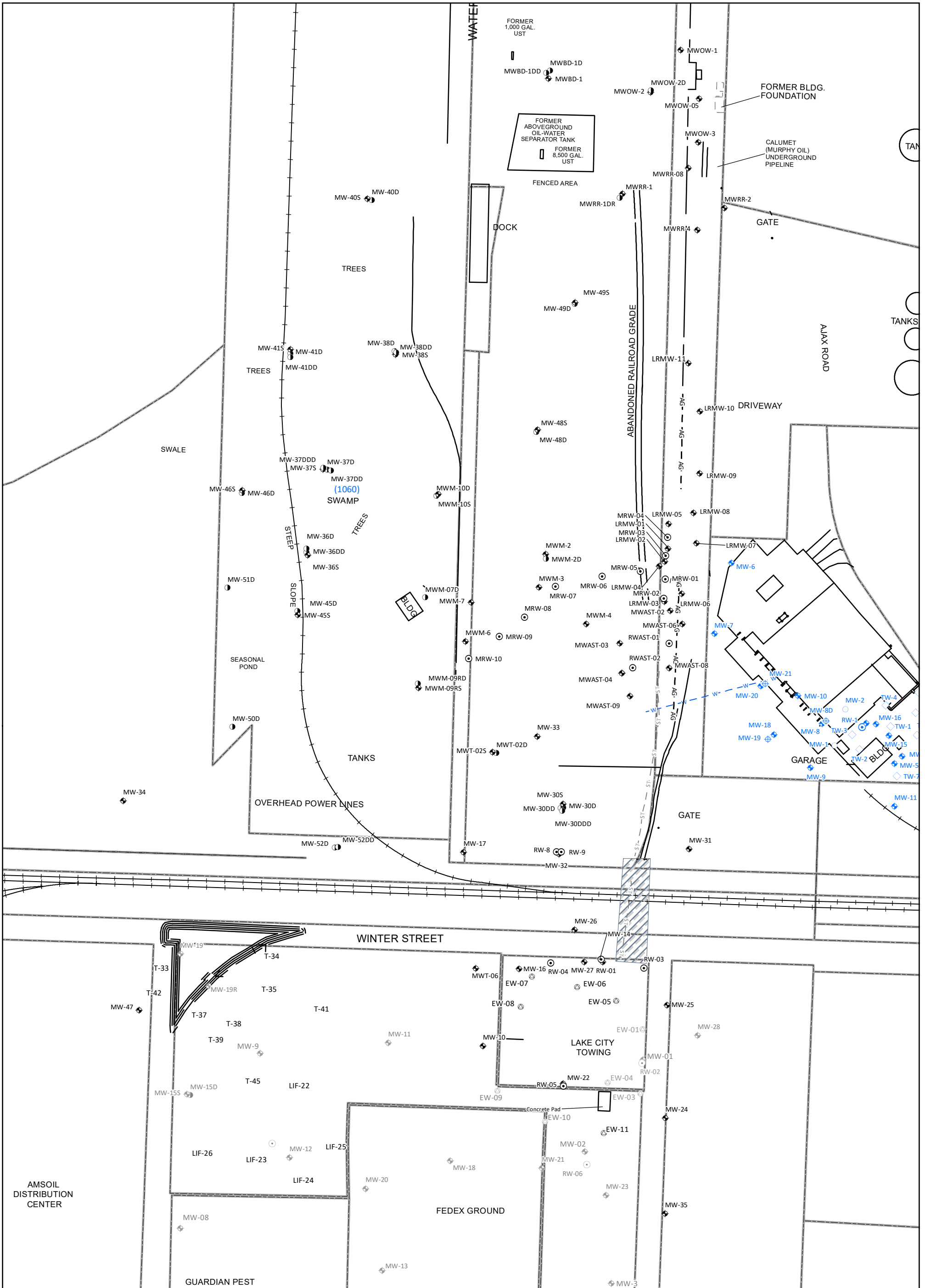


- Legend**
- ◆ Monitoring Well Location
 - ◆ Abandoned Monitoring Well Location
 - Deep Monitoring Well Location
 - Abandoned Deep Monitoring Well Location
 - Recovery Well Location
 - Abandoned Recovery Well Location
 - ⊕ Extraction Well
 - ⊕ Abandoned Extraction Well Location
 - ABC Rail Abandoned Monitoring Well
 - ◆ ABC Rail Monitoring Well
 - ⊕ ABC Rail Piezometer
 - ABC Rail Recovery Well
 - ABC Rail Temporary Monitoring Well
 - ST- Abandoned Sewer Line
 - ▨ Location of Pipelines Abandoned in Place
 - AG- Above Ground Pipeline (removed)
 - - - Former Site Feature
 - Railroad
 - ▭ Property Boundary

FIGURE 9a
 DISSOLVED PHASE BENZENE CONCENTRATION- MAY 26, 2021
 DD LEVEL WELLS
 FORMER AMOCO TERMINAL
 SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,760
DATE 2/2/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 230 FEET





- Legend**
- ◆ Monitoring Well Location
 - ◆ Abandoned Monitoring Well Location
 - Deep Monitoring Well Location
 - Abandoned Deep Monitoring Well Location
 - Recovery Well Location
 - Abandoned Recovery Well Location
 - ⊕ Extraction Well
 - ⊕ Abandoned Extraction Well Location
 - ABC Rail Abandoned Monitoring Well
 - ◆ ABC Rail Monitoring Well
 - ⊕ ABC Rail Piezometer
 - ABC Rail Recovery Well
 - ABC Rail Temporary Monitoring Well
 - ST- Abandoned Sewer Line
 - ▨ Location of Pipelines Abandoned in Place
 - AG- Above Ground Pipeline (removed)
 - - - Former Site Feature
 - Railroad
 - ▭ Property Boundary

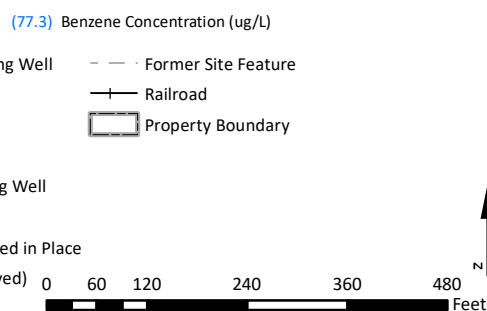
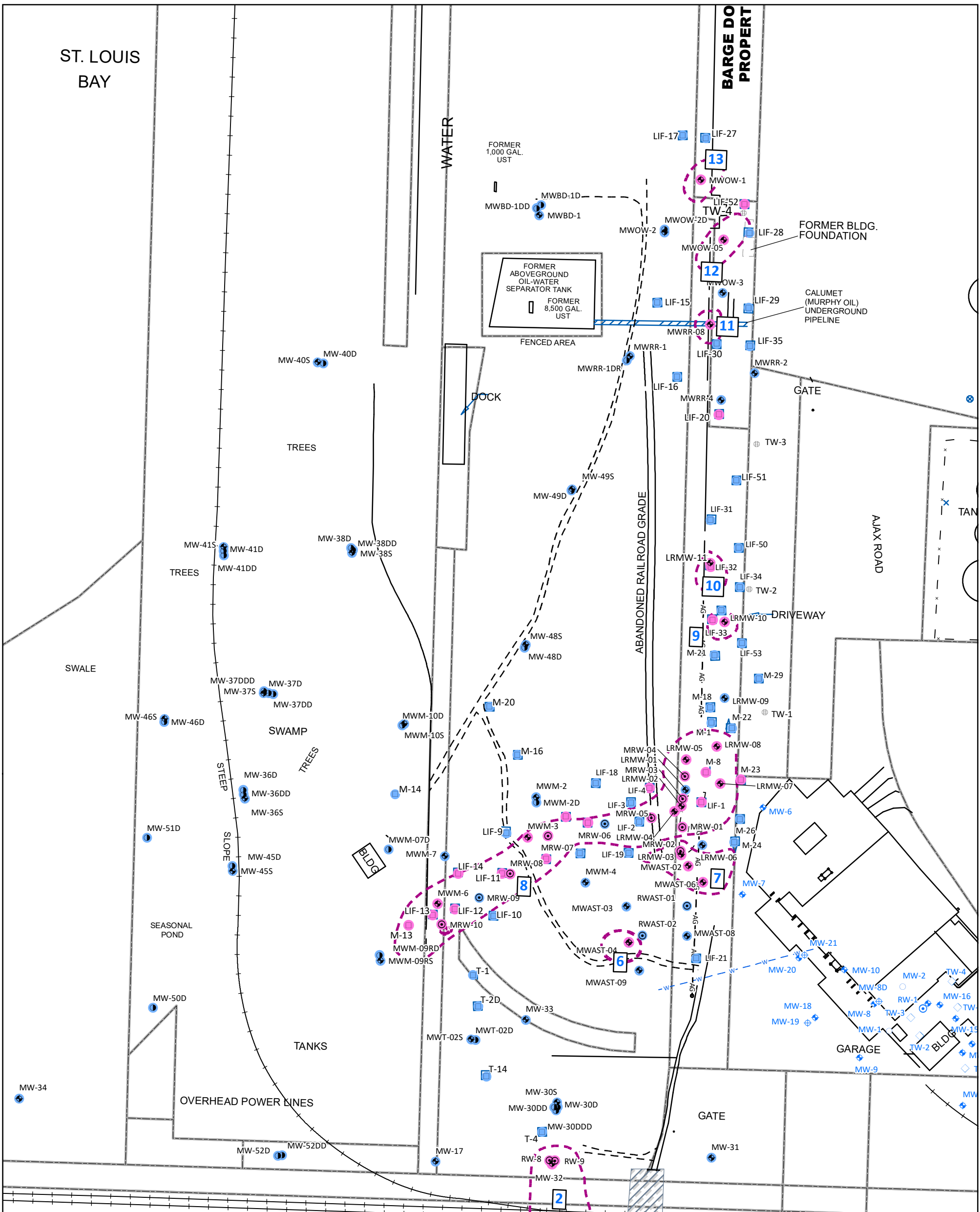


FIGURE 9b
 DISSOLVED PHASE BENZENE CONCENTRATION- OCTOBER 5, 2021
 DD LEVEL WELLS
 FORMER AMOCO TERMINAL
 SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,760
DATE 2/2/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 230 FEET





Legend

- ⊕ Temporary Well
- ◆ Monitoring Well Location
- ◆ Abandoned Monitoring Well Location
- Deep Monitoring Well Location
- Abandoned Deep Monitoring Well Location
- ⊙ Recovery Well Location
- ⊙ Abandoned Recovery Well Location
- ⊕ Extraction Well
- ⊕ Abandoned Extraction Well Location
- CPT-LIF Boring Location
- ABC Rail Abandoned Monitoring Well
- ◆ ABC Rail Monitoring Well
- ⊕ ABC Rail Piezometer
- ⊙ ABC Rail Recovery Well
- ◇ ABC Rail Temporary Monitoring Well
- Points with LNAPL
- No LNAPL
- LNAPL Extent
- AG- Above Ground Pipeline (removed)
- - - Gravel Access Road
- x - - Fence
- ▨ Location of Pipelines Abandoned in Place
- +— Railroad
- ▭ Property Boundary

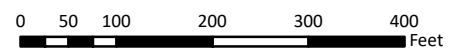
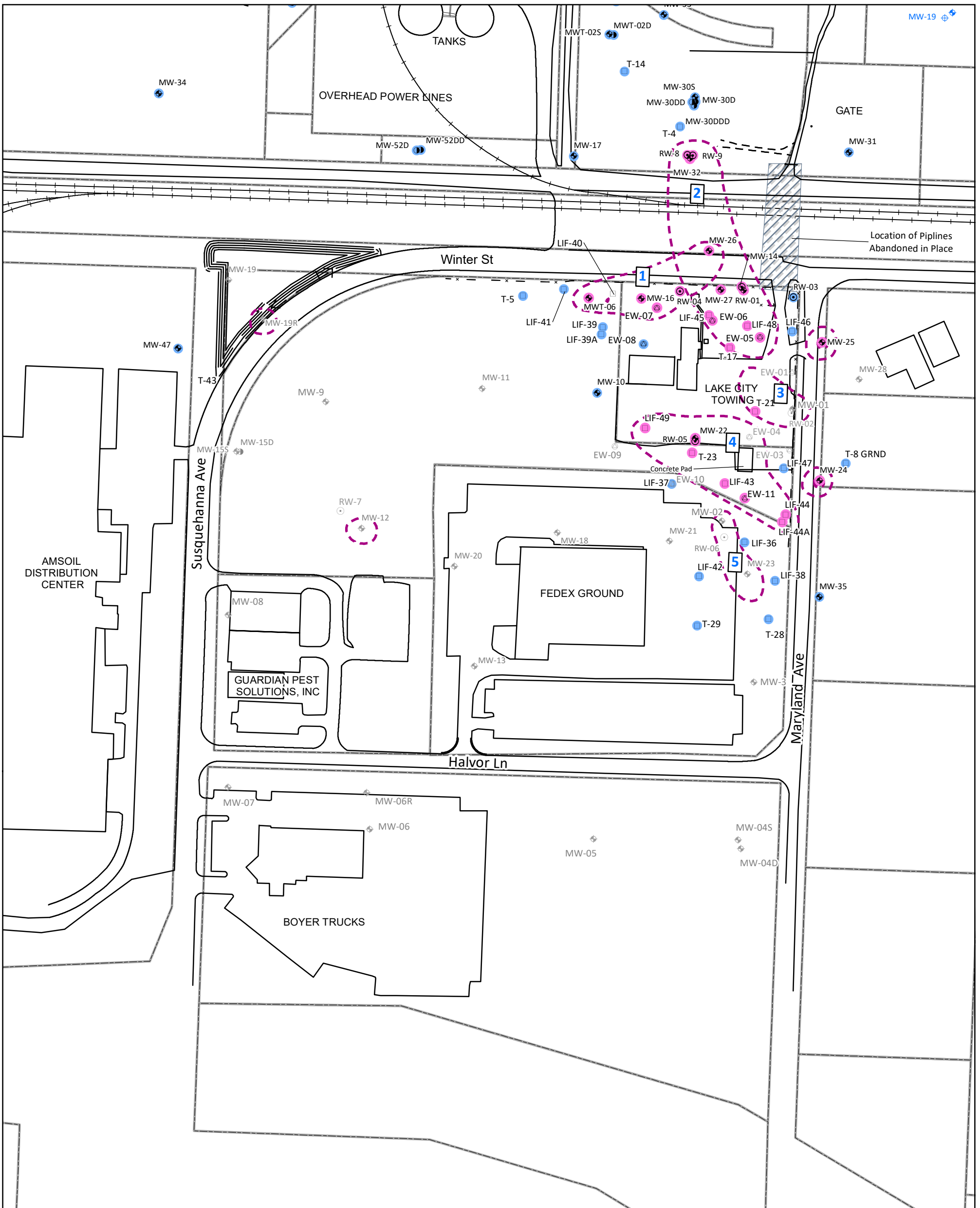


FIGURE 10

LNAPL EXTENT MAP
BARGE DOCK
FORMER AMOCO TERMINAL
SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,400
DATE 1/28/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 200 FEET





Legend

- ◆ Monitoring Well Location
- ◆ Abandoned Monitoring Well Location
- Deep Monitoring Well Location
- Abandoned Deep Monitoring Well Location
- ⊙ Recovery Well Location
- ⊙ Abandoned Recovery Well Location
- ⊕ Extraction Well
- ⊕ Abandoned Extraction Well Location
- CPT-LIF Boring Location
- ◆ ABC Rail Monitoring Well
- ⊕ ABC Rail Piezometer
- Points with
- No
- LNAPL Extent
- - - Gravel Access Road
- × - Fence
- ▨ Location of Pipelines Abandoned in Place
- +— Railroad
- ▭ Property Boundary

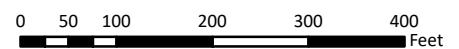
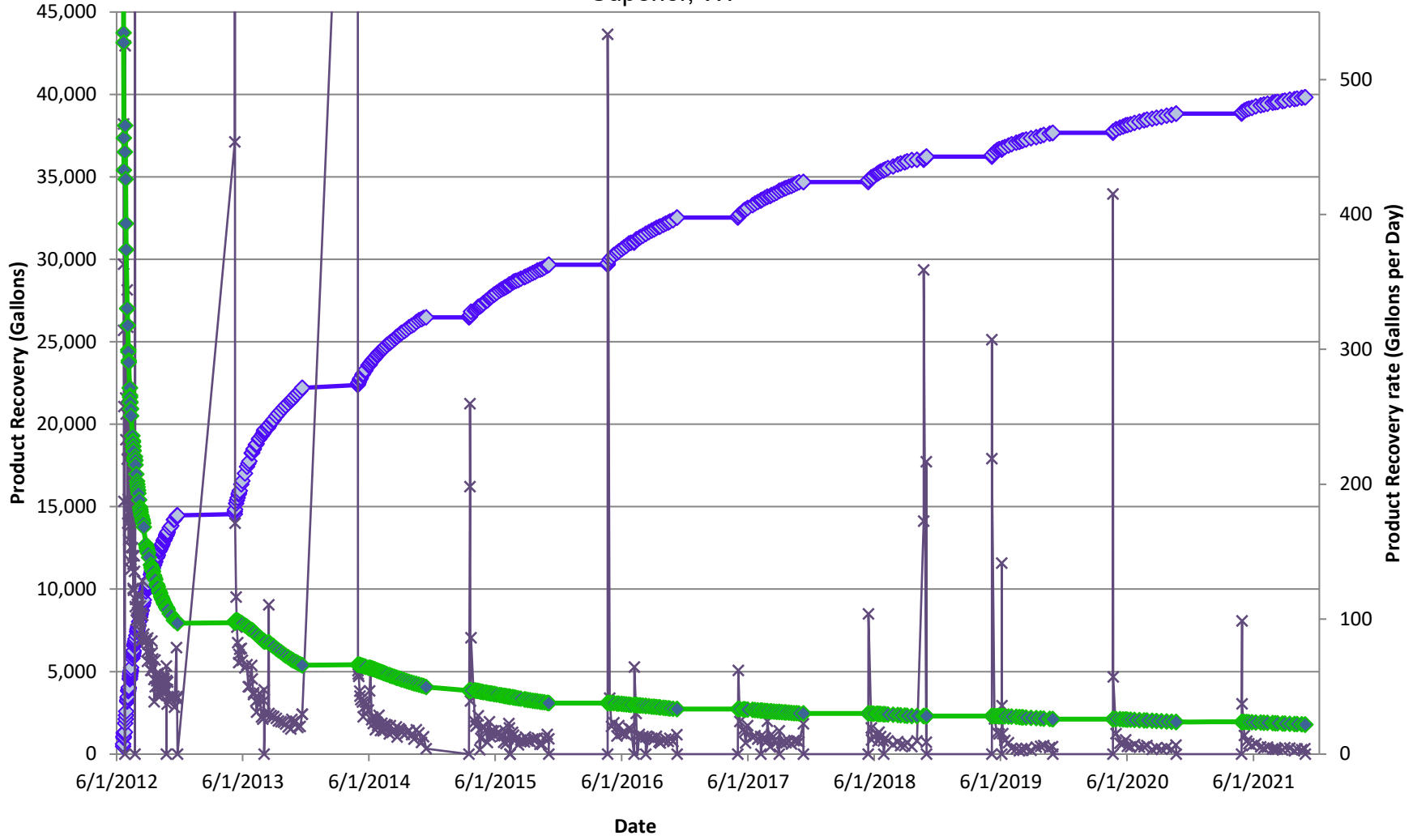


FIGURE 11
LNAPL EXTENT MAP
TERMINAL DETAIL
FORMER AMOCO TERMINAL
SUPERIOR, WISCONSIN

PROJECT NO. WISUP191	PREPARED BY SAA/MB	REF SCALE 1:2,400
DATE 2/8/2022	REVIEWED BY JZ	MAP SCALE 1 INCH = 200 FEET

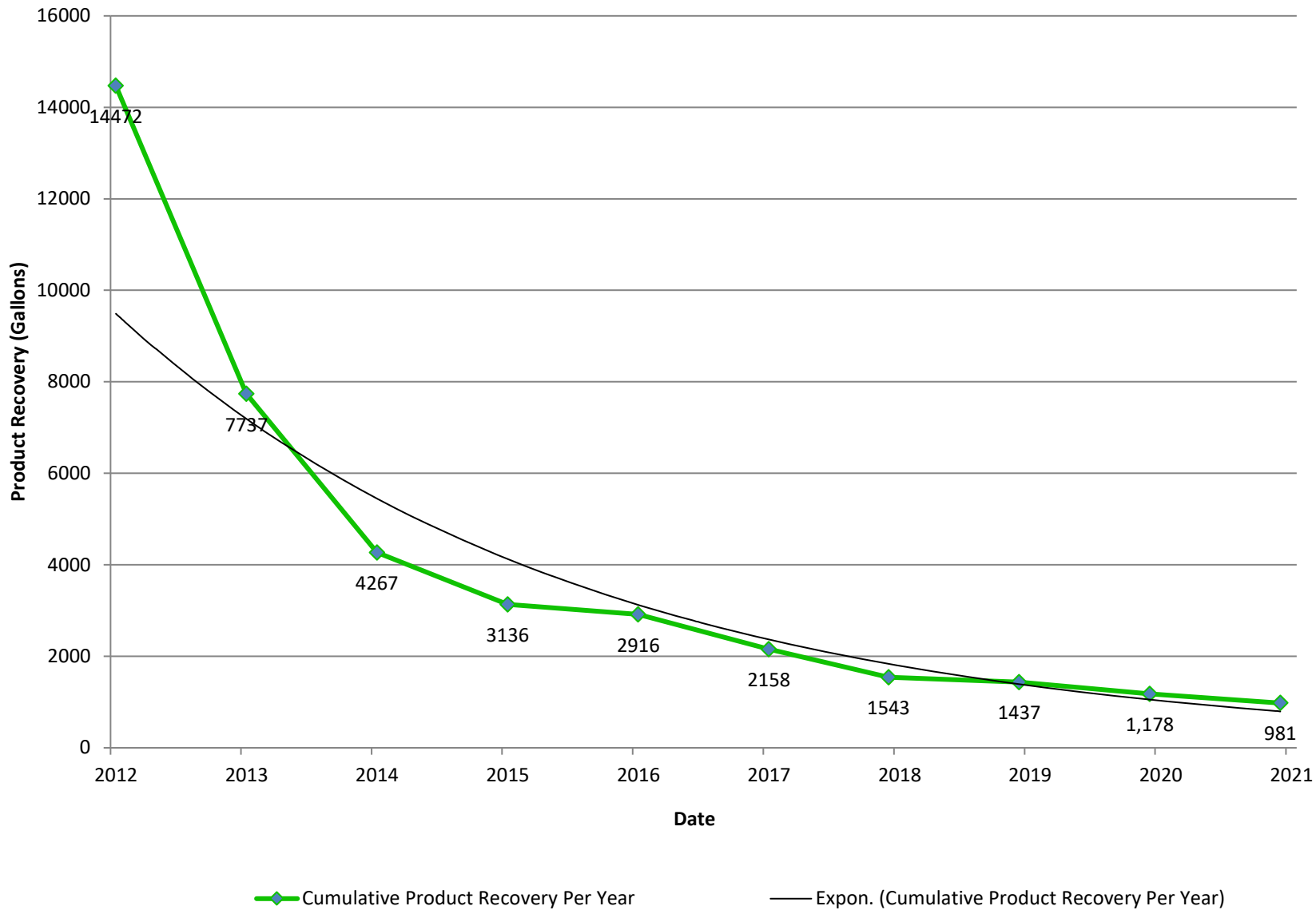


Figure 12a
Barge Dock Phase II System
LNAPL Recovery
 Former Amoco Terminal
 Superior, WI



◆ Cumulative Product recovered (gallons)
 × Period Product recovery rate (gallons / day)
 ◆ Cumulative Product recovery rate (gallons / day)

Figure 12b
Barge Dock Phase II System - LNAPL Recovery by Year
Former Amoco Terminal
Superior, WI



Appendix A – Groundwater Sampling Laboratory Analytical Reports

June 04, 2021

Jonathan Zimdars
Antea Group - MN
5910 Rice Creek Parkway
Saint Paul, MN 55126

RE: Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Dear Jonathan Zimdars:

Enclosed are the analytical results for sample(s) received by the laboratory on May 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Layne Kortbein, Antea Group



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40227692

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40227692

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40227692001	MW0W-2D	Water	05/25/21 11:45	05/28/21 10:30
40227692002	MW-49S	Water	05/25/21 14:50	05/28/21 10:30
40227692003	MWBD-1D	Water	05/25/21 15:45	05/28/21 10:30
40227692004	MWRR-1D	Water	05/25/21 17:55	05/28/21 10:30
40227692005	MWM-2D	Water	05/26/21 09:40	05/28/21 10:30
40227692006	MW-45D	Water	05/26/21 11:50	05/28/21 10:30
40227692007	MWM-10D	Water	05/26/21 15:15	05/28/21 10:30
40227692008	MW-30S	Water	05/26/21 17:05	05/28/21 10:30
40227692009	MWM-9RD	Water	05/27/21 09:50	05/28/21 10:30
40227692010	MWT-2D	Water	05/27/21 13:00	05/28/21 10:30
40227692011	DUP-2	Water	05/27/21 00:00	05/28/21 10:30
40227692012	TRIP BLANK	Water	05/27/21 00:00	05/28/21 10:30
40227692013	MW-46D	Water	05/25/21 12:50	05/28/21 10:30
40227692014	MW-40D	Water	05/25/21 15:40	05/28/21 10:30
40227692015	MW-41D	Water	05/26/21 12:25	05/28/21 10:30
40227692016	MW-37DD	Water	05/26/21 10:15	05/28/21 10:30
40227692017	MW-36D	Water	05/26/21 15:20	05/28/21 10:30
40227692018	MW-30D	Water	05/26/21 16:45	05/28/21 10:30
40227692019	MW-37D	Water	05/27/21 09:00	05/28/21 10:30
40227692020	MWM-7D	Water	05/27/21 11:05	05/28/21 10:30
40227692021	DUP-1	Water	05/27/21 00:00	05/28/21 10:30
40227692022	TRIP BLANK	Water	05/27/21 00:00	05/28/21 10:30

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SAMPLE ANALYTE COUNT

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40227692001	MW0W-2D	WI MOD GRO	ALD	10	PASI-G
40227692002	MW-49S	WI MOD GRO	ALD	10	PASI-G
40227692003	MWBD-1D	WI MOD GRO	ALD	10	PASI-G
40227692004	MWRR-1D	WI MOD GRO	ALD	10	PASI-G
40227692005	MWM-2D	WI MOD GRO	ALD	10	PASI-G
40227692006	MW-45D	WI MOD GRO	ALD	10	PASI-G
40227692007	MWM-10D	WI MOD GRO	ALD	10	PASI-G
40227692008	MW-30S	WI MOD GRO	ALD	10	PASI-G
40227692009	MWM-9RD	WI MOD GRO	ALD	10	PASI-G
40227692010	MWT-2D	WI MOD GRO	ALD	10	PASI-G
40227692011	DUP-2	WI MOD GRO	ALD	10	PASI-G
40227692012	TRIP BLANK	WI MOD GRO	ALD	10	PASI-G
40227692013	MW-46D	WI MOD GRO	ALD	10	PASI-G
40227692014	MW-40D	WI MOD GRO	ALD	10	PASI-G
40227692015	MW-41D	WI MOD GRO	ALD	10	PASI-G
40227692016	MW-37DD	WI MOD GRO	ALD	10	PASI-G
40227692017	MW-36D	WI MOD GRO	ALD	10	PASI-G
40227692018	MW-30D	WI MOD GRO	ALD	10	PASI-G
40227692019	MW-37D	WI MOD GRO	ALD	10	PASI-G
40227692020	MWM-7D	WI MOD GRO	ALD	10	PASI-G
40227692021	DUP-1	WI MOD GRO	ALD	10	PASI-G
40227692022	TRIP BLANK	WI MOD GRO	ALD	10	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40227692002	MW-49S					
WI MOD GRO	Benzene	2.8	ug/L	1.0	06/01/21 17:40	
40227692003	MWBD-1D					
WI MOD GRO	Benzene	64.1	ug/L	1.0	06/01/21 18:05	
40227692004	MWRR-1D					
WI MOD GRO	Benzene	444	ug/L	5.0	06/01/21 15:06	
WI MOD GRO	Methyl-tert-butyl ether	2.9J	ug/L	5.0	06/01/21 15:06	
WI MOD GRO	Toluene	7.8	ug/L	5.0	06/01/21 15:06	
WI MOD GRO	o-Xylene	6.5	ug/L	5.0	06/01/21 15:06	
40227692006	MW-45D					
WI MOD GRO	Benzene	94.3	ug/L	1.0	06/01/21 18:57	
40227692007	MWM-10D					
WI MOD GRO	Benzene	1500	ug/L	10.0	06/01/21 13:49	
WI MOD GRO	Ethylbenzene	10.9	ug/L	10.0	06/01/21 13:49	
WI MOD GRO	Methyl-tert-butyl ether	8.1J	ug/L	10.0	06/01/21 13:49	
WI MOD GRO	Naphthalene	17.7	ug/L	10.0	06/01/21 13:49	
WI MOD GRO	Toluene	33.9	ug/L	10.0	06/01/21 13:49	
WI MOD GRO	1,2,4-Trimethylbenzene	5.4J	ug/L	10.0	06/01/21 13:49	
WI MOD GRO	1,3,5-Trimethylbenzene	3.6J	ug/L	10.0	06/01/21 13:49	
WI MOD GRO	m&p-Xylene	33.3	ug/L	20.0	06/01/21 13:49	
40227692008	MW-30S					
WI MOD GRO	Benzene	2510	ug/L	10.0	06/01/21 14:15	
WI MOD GRO	Ethylbenzene	431	ug/L	10.0	06/01/21 14:15	
WI MOD GRO	Naphthalene	384	ug/L	10.0	06/01/21 14:15	
WI MOD GRO	Toluene	1950	ug/L	10.0	06/01/21 14:15	
WI MOD GRO	1,2,4-Trimethylbenzene	297	ug/L	10.0	06/01/21 14:15	
WI MOD GRO	1,3,5-Trimethylbenzene	89.7	ug/L	10.0	06/01/21 14:15	
WI MOD GRO	m&p-Xylene	1060	ug/L	20.0	06/01/21 14:15	
WI MOD GRO	o-Xylene	507	ug/L	10.0	06/01/21 14:15	
40227692009	MWM-9RD					
WI MOD GRO	Benzene	2130	ug/L	25.0	06/01/21 12:58	
WI MOD GRO	Ethylbenzene	95.3	ug/L	25.0	06/01/21 12:58	
WI MOD GRO	Methyl-tert-butyl ether	368	ug/L	25.0	06/01/21 12:58	
WI MOD GRO	Naphthalene	50.9	ug/L	25.0	06/01/21 12:58	
WI MOD GRO	Toluene	47.1	ug/L	25.0	06/01/21 12:58	
WI MOD GRO	1,2,4-Trimethylbenzene	42.2	ug/L	25.0	06/01/21 12:58	
WI MOD GRO	1,3,5-Trimethylbenzene	24.8J	ug/L	25.0	06/01/21 12:58	
WI MOD GRO	m&p-Xylene	144	ug/L	50.0	06/01/21 12:58	
40227692010	MWT-2D					
WI MOD GRO	Benzene	2610	ug/L	25.0	06/01/21 13:24	
WI MOD GRO	Ethylbenzene	239	ug/L	25.0	06/01/21 13:24	
WI MOD GRO	Methyl-tert-butyl ether	115	ug/L	25.0	06/01/21 13:24	
WI MOD GRO	Naphthalene	111	ug/L	25.0	06/01/21 13:24	
WI MOD GRO	Toluene	149	ug/L	25.0	06/01/21 13:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: WISUP211 SUPERIOR TERMINAL

Peace Project No.: 40227692

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40227692010	MWT-2D					
WI MOD GRO	1,2,4-Trimethylbenzene	84.9	ug/L	25.0	06/01/21 13:24	
WI MOD GRO	1,3,5-Trimethylbenzene	40.6	ug/L	25.0	06/01/21 13:24	
WI MOD GRO	m&p-Xylene	257	ug/L	50.0	06/01/21 13:24	
WI MOD GRO	o-Xylene	21.3J	ug/L	25.0	06/01/21 13:24	
40227692011	DUP-2					
WI MOD GRO	Benzene	2720	ug/L	10.0	06/01/21 14:41	
WI MOD GRO	Ethylbenzene	246	ug/L	10.0	06/01/21 14:41	
WI MOD GRO	Methyl-tert-butyl ether	123	ug/L	10.0	06/01/21 14:41	
WI MOD GRO	Naphthalene	115	ug/L	10.0	06/01/21 14:41	
WI MOD GRO	Toluene	148	ug/L	10.0	06/01/21 14:41	
WI MOD GRO	1,2,4-Trimethylbenzene	89.5	ug/L	10.0	06/01/21 14:41	
WI MOD GRO	1,3,5-Trimethylbenzene	42.6	ug/L	10.0	06/01/21 14:41	
WI MOD GRO	m&p-Xylene	258	ug/L	20.0	06/01/21 14:41	
WI MOD GRO	o-Xylene	22.5	ug/L	10.0	06/01/21 14:41	
40227692013	MW-46D					
WI MOD GRO	m&p-Xylene	1.3J	ug/L	2.0	06/01/21 19:22	
40227692015	MW-41D					
WI MOD GRO	Benzene	11.2	ug/L	1.0	06/01/21 20:13	
40227692016	MW-37DD					
WI MOD GRO	Benzene	987	ug/L	5.0	06/01/21 15:32	
40227692017	MW-36D					
WI MOD GRO	Benzene	1600	ug/L	10.0	06/03/21 12:23	
WI MOD GRO	Ethylbenzene	8.8J	ug/L	10.0	06/03/21 12:23	
WI MOD GRO	Methyl-tert-butyl ether	7.4J	ug/L	10.0	06/03/21 12:23	
WI MOD GRO	Toluene	20.5	ug/L	10.0	06/03/21 12:23	
WI MOD GRO	m&p-Xylene	4.6J	ug/L	20.0	06/03/21 12:23	
40227692018	MW-30D					
WI MOD GRO	Benzene	1890	ug/L	20.0	06/03/21 11:32	
WI MOD GRO	Ethylbenzene	68.5	ug/L	20.0	06/03/21 11:32	
WI MOD GRO	Methyl-tert-butyl ether	8.2J	ug/L	20.0	06/03/21 11:32	
WI MOD GRO	Naphthalene	196	ug/L	20.0	06/03/21 11:32	
WI MOD GRO	Toluene	63.7	ug/L	20.0	06/03/21 11:32	
WI MOD GRO	1,2,4-Trimethylbenzene	7.9J	ug/L	20.0	06/03/21 11:32	
WI MOD GRO	m&p-Xylene	56.7	ug/L	40.0	06/03/21 11:32	
WI MOD GRO	o-Xylene	4.8J	ug/L	20.0	06/03/21 11:32	
40227692019	MW-37D					
WI MOD GRO	Benzene	2200	ug/L	25.0	06/03/21 11:06	
WI MOD GRO	Ethylbenzene	24.7J	ug/L	25.0	06/03/21 11:06	
WI MOD GRO	Toluene	68.0	ug/L	25.0	06/03/21 11:06	
WI MOD GRO	m&p-Xylene	40.1J	ug/L	50.0	06/03/21 11:06	
40227692020	MWM-7D					
WI MOD GRO	Benzene	2710	ug/L	20.0	06/03/21 11:57	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40227692

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40227692020	MWM-7D					
WI MOD GRO	Ethylbenzene	67.8	ug/L	20.0	06/03/21 11:57	
WI MOD GRO	Toluene	59.5	ug/L	20.0	06/03/21 11:57	
WI MOD GRO	1,2,4-Trimethylbenzene	9.6J	ug/L	20.0	06/03/21 11:57	
WI MOD GRO	m&p-Xylene	67.2	ug/L	40.0	06/03/21 11:57	
40227692021	DUP-1					
WI MOD GRO	Benzene	2460	ug/L	10.0	06/03/21 12:49	
WI MOD GRO	Ethylbenzene	28.5	ug/L	10.0	06/03/21 12:49	
WI MOD GRO	Toluene	74.1	ug/L	10.0	06/03/21 12:49	
WI MOD GRO	m&p-Xylene	44.7	ug/L	20.0	06/03/21 12:49	
WI MOD GRO	o-Xylene	4.3J	ug/L	10.0	06/03/21 12:49	

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40227692

Method: WI MOD GRO

Description: WIGRO GCV

Client: Antea Group

Date: June 04, 2021

General Information:

22 samples were analyzed for WI MOD GRO by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Sample: MW0W-2D **Lab ID: 40227692001** Collected: 05/25/21 11:45 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		06/01/21 17:14	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 17:14	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		06/01/21 17:14	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		06/01/21 17:14	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		06/01/21 17:14	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		06/01/21 17:14	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 17:14	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		06/01/21 17:14	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		06/01/21 17:14	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		06/01/21 17:14	98-08-8	

Sample: MW-49S **Lab ID: 40227692002** Collected: 05/25/21 14:50 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2.8	ug/L	1.0	0.14	1		06/01/21 17:40	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 17:40	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		06/01/21 17:40	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		06/01/21 17:40	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		06/01/21 17:40	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		06/01/21 17:40	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 17:40	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		06/01/21 17:40	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		06/01/21 17:40	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		06/01/21 17:40	98-08-8	

Sample: MWBD-1D **Lab ID: 40227692003** Collected: 05/25/21 15:45 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	64.1	ug/L	1.0	0.14	1		06/01/21 18:05	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 18:05	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		06/01/21 18:05	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		06/01/21 18:05	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		06/01/21 18:05	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		06/01/21 18:05	95-63-6	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Sample: MWBD-1D Lab ID: 40227692003 Collected: 05/25/21 15:45 Received: 05/28/21 10:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO Pace Analytical Services - Green Bay									
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 18:05	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		06/01/21 18:05	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		06/01/21 18:05	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		1		06/01/21 18:05	98-08-8	

Sample: MWRR-1D Lab ID: 40227692004 Collected: 05/25/21 17:55 Received: 05/28/21 10:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO Pace Analytical Services - Green Bay									
Benzene	444	ug/L	5.0	0.72	5		06/01/21 15:06	71-43-2	
Ethylbenzene	<1.6	ug/L	5.0	1.6	5		06/01/21 15:06	100-41-4	
Methyl-tert-butyl ether	2.9J	ug/L	5.0	1.6	5		06/01/21 15:06	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	5		06/01/21 15:06	91-20-3	
Toluene	7.8	ug/L	5.0	0.82	5		06/01/21 15:06	108-88-3	
1,2,4-Trimethylbenzene	<1.7	ug/L	5.0	1.7	5		06/01/21 15:06	95-63-6	
1,3,5-Trimethylbenzene	<1.6	ug/L	5.0	1.6	5		06/01/21 15:06	108-67-8	
m&p-Xylene	<1.6	ug/L	10.0	1.6	5		06/01/21 15:06	179601-23-1	
o-Xylene	6.5	ug/L	5.0	0.75	5		06/01/21 15:06	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		5		06/01/21 15:06	98-08-8	

Sample: MWM-2D Lab ID: 40227692005 Collected: 05/26/21 09:40 Received: 05/28/21 10:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		06/01/21 18:31	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 18:31	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		06/01/21 18:31	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		06/01/21 18:31	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		06/01/21 18:31	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		06/01/21 18:31	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 18:31	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		06/01/21 18:31	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		06/01/21 18:31	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		06/01/21 18:31	98-08-8	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Sample: MW-45D **Lab ID: 40227692006** Collected: 05/26/21 11:50 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	94.3	ug/L	1.0	0.14	1		06/01/21 18:57	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 18:57	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		06/01/21 18:57	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		06/01/21 18:57	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		06/01/21 18:57	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		06/01/21 18:57	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 18:57	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		06/01/21 18:57	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		06/01/21 18:57	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	97	%	80-120		1		06/01/21 18:57	98-08-8	

Sample: MWM-10D **Lab ID: 40227692007** Collected: 05/26/21 15:15 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	1500	ug/L	10.0	1.4	10		06/01/21 13:49	71-43-2	
Ethylbenzene	10.9	ug/L	10.0	3.3	10		06/01/21 13:49	100-41-4	
Methyl-tert-butyl ether	8.1J	ug/L	10.0	3.2	10		06/01/21 13:49	1634-04-4	
Naphthalene	17.7	ug/L	10.0	5.1	10		06/01/21 13:49	91-20-3	
Toluene	33.9	ug/L	10.0	1.6	10		06/01/21 13:49	108-88-3	
1,2,4-Trimethylbenzene	5.4J	ug/L	10.0	3.4	10		06/01/21 13:49	95-63-6	
1,3,5-Trimethylbenzene	3.6J	ug/L	10.0	3.3	10		06/01/21 13:49	108-67-8	
m&p-Xylene	33.3	ug/L	20.0	3.2	10		06/01/21 13:49	179601-23-1	
o-Xylene	<1.5	ug/L	10.0	1.5	10		06/01/21 13:49	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		10		06/01/21 13:49	98-08-8	

Sample: MW-30S **Lab ID: 40227692008** Collected: 05/26/21 17:05 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2510	ug/L	10.0	1.4	10		06/01/21 14:15	71-43-2	
Ethylbenzene	431	ug/L	10.0	3.3	10		06/01/21 14:15	100-41-4	
Methyl-tert-butyl ether	<3.2	ug/L	10.0	3.2	10		06/01/21 14:15	1634-04-4	
Naphthalene	384	ug/L	10.0	5.1	10		06/01/21 14:15	91-20-3	
Toluene	1950	ug/L	10.0	1.6	10		06/01/21 14:15	108-88-3	
1,2,4-Trimethylbenzene	297	ug/L	10.0	3.4	10		06/01/21 14:15	95-63-6	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40227692

Sample: MW-30S **Lab ID: 40227692008** Collected: 05/26/21 17:05 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
1,3,5-Trimethylbenzene	89.7	ug/L	10.0	3.3	10		06/01/21 14:15	108-67-8	
m&p-Xylene	1060	ug/L	20.0	3.2	10		06/01/21 14:15	179601-23-1	
o-Xylene	507	ug/L	10.0	1.5	10		06/01/21 14:15	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		10		06/01/21 14:15	98-08-8	

Sample: MWM-9RD **Lab ID: 40227692009** Collected: 05/27/21 09:50 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2130	ug/L	25.0	3.6	25		06/01/21 12:58	71-43-2	
Ethylbenzene	95.3	ug/L	25.0	8.2	25		06/01/21 12:58	100-41-4	
Methyl-tert-butyl ether	368	ug/L	25.0	8.0	25		06/01/21 12:58	1634-04-4	
Naphthalene	50.9	ug/L	25.0	12.6	25		06/01/21 12:58	91-20-3	
Toluene	47.1	ug/L	25.0	4.1	25		06/01/21 12:58	108-88-3	
1,2,4-Trimethylbenzene	42.2	ug/L	25.0	8.6	25		06/01/21 12:58	95-63-6	
1,3,5-Trimethylbenzene	24.8J	ug/L	25.0	8.2	25		06/01/21 12:58	108-67-8	
m&p-Xylene	144	ug/L	50.0	8.0	25		06/01/21 12:58	179601-23-1	
o-Xylene	<3.8	ug/L	25.0	3.8	25		06/01/21 12:58	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		25		06/01/21 12:58	98-08-8	

Sample: MWT-2D **Lab ID: 40227692010** Collected: 05/27/21 13:00 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2610	ug/L	25.0	3.6	25		06/01/21 13:24	71-43-2	
Ethylbenzene	239	ug/L	25.0	8.2	25		06/01/21 13:24	100-41-4	
Methyl-tert-butyl ether	115	ug/L	25.0	8.0	25		06/01/21 13:24	1634-04-4	
Naphthalene	111	ug/L	25.0	12.6	25		06/01/21 13:24	91-20-3	
Toluene	149	ug/L	25.0	4.1	25		06/01/21 13:24	108-88-3	
1,2,4-Trimethylbenzene	84.9	ug/L	25.0	8.6	25		06/01/21 13:24	95-63-6	
1,3,5-Trimethylbenzene	40.6	ug/L	25.0	8.2	25		06/01/21 13:24	108-67-8	
m&p-Xylene	257	ug/L	50.0	8.0	25		06/01/21 13:24	179601-23-1	
o-Xylene	21.3J	ug/L	25.0	3.8	25		06/01/21 13:24	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		25		06/01/21 13:24	98-08-8	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40227692

Sample: DUP-2 **Lab ID: 40227692011** Collected: 05/27/21 00:00 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2720	ug/L	10.0	1.4	10		06/01/21 14:41	71-43-2	
Ethylbenzene	246	ug/L	10.0	3.3	10		06/01/21 14:41	100-41-4	
Methyl-tert-butyl ether	123	ug/L	10.0	3.2	10		06/01/21 14:41	1634-04-4	
Naphthalene	115	ug/L	10.0	5.1	10		06/01/21 14:41	91-20-3	
Toluene	148	ug/L	10.0	1.6	10		06/01/21 14:41	108-88-3	
1,2,4-Trimethylbenzene	89.5	ug/L	10.0	3.4	10		06/01/21 14:41	95-63-6	
1,3,5-Trimethylbenzene	42.6	ug/L	10.0	3.3	10		06/01/21 14:41	108-67-8	
m&p-Xylene	258	ug/L	20.0	3.2	10		06/01/21 14:41	179601-23-1	
o-Xylene	22.5	ug/L	10.0	1.5	10		06/01/21 14:41	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		10		06/01/21 14:41	98-08-8	

Sample: TRIP BLANK **Lab ID: 40227692012** Collected: 05/27/21 00:00 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		06/01/21 20:39	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 20:39	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		06/01/21 20:39	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		06/01/21 20:39	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		06/01/21 20:39	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		06/01/21 20:39	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 20:39	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		06/01/21 20:39	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		06/01/21 20:39	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		06/01/21 20:39	98-08-8	

Sample: MW-46D **Lab ID: 40227692013** Collected: 05/25/21 12:50 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		06/01/21 19:22	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 19:22	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		06/01/21 19:22	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		06/01/21 19:22	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		06/01/21 19:22	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		06/01/21 19:22	95-63-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40227692

Sample: MW-46D **Lab ID: 40227692013** Collected: 05/25/21 12:50 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 19:22	108-67-8	
m&p-Xylene	1.3J	ug/L	2.0	0.32	1		06/01/21 19:22	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		06/01/21 19:22	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		06/01/21 19:22	98-08-8	

Sample: MW-40D **Lab ID: 40227692014** Collected: 05/25/21 15:40 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		06/01/21 19:48	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 19:48	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		06/01/21 19:48	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		06/01/21 19:48	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		06/01/21 19:48	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		06/01/21 19:48	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 19:48	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		06/01/21 19:48	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		06/01/21 19:48	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		06/01/21 19:48	98-08-8	

Sample: MW-41D **Lab ID: 40227692015** Collected: 05/26/21 12:25 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	11.2	ug/L	1.0	0.14	1		06/01/21 20:13	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 20:13	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		06/01/21 20:13	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		06/01/21 20:13	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		06/01/21 20:13	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		06/01/21 20:13	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		06/01/21 20:13	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		06/01/21 20:13	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		06/01/21 20:13	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		06/01/21 20:13	98-08-8	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Sample: MW-37DD **Lab ID: 40227692016** Collected: 05/26/21 10:15 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	987	ug/L	5.0	0.72	5		06/01/21 15:32	71-43-2	
Ethylbenzene	<1.6	ug/L	5.0	1.6	5		06/01/21 15:32	100-41-4	
Methyl-tert-butyl ether	<1.6	ug/L	5.0	1.6	5		06/01/21 15:32	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	5		06/01/21 15:32	91-20-3	
Toluene	<0.82	ug/L	5.0	0.82	5		06/01/21 15:32	108-88-3	
1,2,4-Trimethylbenzene	<1.7	ug/L	5.0	1.7	5		06/01/21 15:32	95-63-6	
1,3,5-Trimethylbenzene	<1.6	ug/L	5.0	1.6	5		06/01/21 15:32	108-67-8	
m&p-Xylene	<1.6	ug/L	10.0	1.6	5		06/01/21 15:32	179601-23-1	
o-Xylene	<0.75	ug/L	5.0	0.75	5		06/01/21 15:32	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	96	%	80-120		5		06/01/21 15:32	98-08-8	

Sample: MW-36D **Lab ID: 40227692017** Collected: 05/26/21 15:20 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	1600	ug/L	10.0	1.4	10		06/03/21 12:23	71-43-2	
Ethylbenzene	8.8J	ug/L	10.0	3.3	10		06/03/21 12:23	100-41-4	
Methyl-tert-butyl ether	7.4J	ug/L	10.0	3.2	10		06/03/21 12:23	1634-04-4	
Naphthalene	<5.1	ug/L	10.0	5.1	10		06/03/21 12:23	91-20-3	
Toluene	20.5	ug/L	10.0	1.6	10		06/03/21 12:23	108-88-3	
1,2,4-Trimethylbenzene	<3.4	ug/L	10.0	3.4	10		06/03/21 12:23	95-63-6	
1,3,5-Trimethylbenzene	<3.3	ug/L	10.0	3.3	10		06/03/21 12:23	108-67-8	
m&p-Xylene	4.6J	ug/L	20.0	3.2	10		06/03/21 12:23	179601-23-1	
o-Xylene	<1.5	ug/L	10.0	1.5	10		06/03/21 12:23	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		10		06/03/21 12:23	98-08-8	

Sample: MW-30D **Lab ID: 40227692018** Collected: 05/26/21 16:45 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	1890	ug/L	20.0	2.9	20		06/03/21 11:32	71-43-2	
Ethylbenzene	68.5	ug/L	20.0	6.6	20		06/03/21 11:32	100-41-4	
Methyl-tert-butyl ether	8.2J	ug/L	20.0	6.4	20		06/03/21 11:32	1634-04-4	
Naphthalene	196	ug/L	20.0	10.1	20		06/03/21 11:32	91-20-3	
Toluene	63.7	ug/L	20.0	3.3	20		06/03/21 11:32	108-88-3	
1,2,4-Trimethylbenzene	7.9J	ug/L	20.0	6.8	20		06/03/21 11:32	95-63-6	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Sample: MW-30D Lab ID: 40227692018 Collected: 05/26/21 16:45 Received: 05/28/21 10:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
1,3,5-Trimethylbenzene	<6.6	ug/L	20.0	6.6	20		06/03/21 11:32	108-67-8	
m&p-Xylene	56.7	ug/L	40.0	6.4	20		06/03/21 11:32	179601-23-1	
o-Xylene	4.8J	ug/L	20.0	3.0	20		06/03/21 11:32	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		20		06/03/21 11:32	98-08-8	

Sample: MW-37D Lab ID: 40227692019 Collected: 05/27/21 09:00 Received: 05/28/21 10:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2200	ug/L	25.0	3.6	25		06/03/21 11:06	71-43-2	
Ethylbenzene	24.7J	ug/L	25.0	8.2	25		06/03/21 11:06	100-41-4	
Methyl-tert-butyl ether	<8.0	ug/L	25.0	8.0	25		06/03/21 11:06	1634-04-4	
Naphthalene	<12.6	ug/L	25.0	12.6	25		06/03/21 11:06	91-20-3	
Toluene	68.0	ug/L	25.0	4.1	25		06/03/21 11:06	108-88-3	
1,2,4-Trimethylbenzene	<8.6	ug/L	25.0	8.6	25		06/03/21 11:06	95-63-6	
1,3,5-Trimethylbenzene	<8.2	ug/L	25.0	8.2	25		06/03/21 11:06	108-67-8	
m&p-Xylene	40.1J	ug/L	50.0	8.0	25		06/03/21 11:06	179601-23-1	
o-Xylene	<3.8	ug/L	25.0	3.8	25		06/03/21 11:06	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		25		06/03/21 11:06	98-08-8	

Sample: MWM-7D Lab ID: 40227692020 Collected: 05/27/21 11:05 Received: 05/28/21 10:30 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2710	ug/L	20.0	2.9	20		06/03/21 11:57	71-43-2	
Ethylbenzene	67.8	ug/L	20.0	6.6	20		06/03/21 11:57	100-41-4	
Methyl-tert-butyl ether	<6.4	ug/L	20.0	6.4	20		06/03/21 11:57	1634-04-4	
Naphthalene	<10.1	ug/L	20.0	10.1	20		06/03/21 11:57	91-20-3	
Toluene	59.5	ug/L	20.0	3.3	20		06/03/21 11:57	108-88-3	
1,2,4-Trimethylbenzene	9.6J	ug/L	20.0	6.8	20		06/03/21 11:57	95-63-6	
1,3,5-Trimethylbenzene	<6.6	ug/L	20.0	6.6	20		06/03/21 11:57	108-67-8	
m&p-Xylene	67.2	ug/L	40.0	6.4	20		06/03/21 11:57	179601-23-1	
o-Xylene	<3.0	ug/L	20.0	3.0	20		06/03/21 11:57	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		20		06/03/21 11:57	98-08-8	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Sample: DUP-1 **Lab ID: 40227692021** Collected: 05/27/21 00:00 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2460	ug/L	10.0	1.4	10		06/03/21 12:49	71-43-2	
Ethylbenzene	28.5	ug/L	10.0	3.3	10		06/03/21 12:49	100-41-4	
Methyl-tert-butyl ether	<3.2	ug/L	10.0	3.2	10		06/03/21 12:49	1634-04-4	
Naphthalene	<5.1	ug/L	10.0	5.1	10		06/03/21 12:49	91-20-3	
Toluene	74.1	ug/L	10.0	1.6	10		06/03/21 12:49	108-88-3	
1,2,4-Trimethylbenzene	<3.4	ug/L	10.0	3.4	10		06/03/21 12:49	95-63-6	
1,3,5-Trimethylbenzene	<3.3	ug/L	10.0	3.3	10		06/03/21 12:49	108-67-8	
m&p-Xylene	44.7	ug/L	20.0	3.2	10		06/03/21 12:49	179601-23-1	
o-Xylene	4.3J	ug/L	10.0	1.5	10		06/03/21 12:49	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		10		06/03/21 12:49	98-08-8	

Sample: TRIP BLANK **Lab ID: 40227692022** Collected: 05/27/21 00:00 Received: 05/28/21 10:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		06/03/21 10:41	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		06/03/21 10:41	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		06/03/21 10:41	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		06/03/21 10:41	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		06/03/21 10:41	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		06/03/21 10:41	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		06/03/21 10:41	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		06/03/21 10:41	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		06/03/21 10:41	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		1		06/03/21 10:41	98-08-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

QC Batch: 386762 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40227692001, 40227692002, 40227692003, 40227692004, 40227692005, 40227692006, 40227692007, 40227692008, 40227692009, 40227692010, 40227692011, 40227692012, 40227692013, 40227692014, 40227692015, 40227692016

METHOD BLANK: 2231736 Matrix: Water
Associated Lab Samples: 40227692001, 40227692002, 40227692003, 40227692004, 40227692005, 40227692006, 40227692007, 40227692008, 40227692009, 40227692010, 40227692011, 40227692012, 40227692013, 40227692014, 40227692015, 40227692016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.0	06/01/21 10:50	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.0	06/01/21 10:50	
Benzene	ug/L	<0.14	1.0	06/01/21 10:50	
Ethylbenzene	ug/L	<0.33	1.0	06/01/21 10:50	
m&p-Xylene	ug/L	<0.32	2.0	06/01/21 10:50	
Methyl-tert-butyl ether	ug/L	<0.32	1.0	06/01/21 10:50	
Naphthalene	ug/L	<0.51	1.0	06/01/21 10:50	
o-Xylene	ug/L	<0.15	1.0	06/01/21 10:50	
Toluene	ug/L	<0.16	1.0	06/01/21 10:50	
a,a,a-Trifluorotoluene (S)	%	99	80-120	06/01/21 10:50	

LABORATORY CONTROL SAMPLE & LCSD: 2231737 2231738

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	19.1	18.8	95	94	80-120	2	20	
1,3,5-Trimethylbenzene	ug/L	20	20.3	20.1	101	101	80-120	1	20	
Benzene	ug/L	20	20.6	20.5	103	103	80-120	1	20	
Ethylbenzene	ug/L	20	20.6	20.3	103	101	80-120	2	20	
m&p-Xylene	ug/L	40	40.4	39.8	101	99	80-120	2	20	
Methyl-tert-butyl ether	ug/L	20	21.6	21.5	108	108	80-120	1	20	
Naphthalene	ug/L	20	20.6	21.0	103	105	80-120	2	20	
o-Xylene	ug/L	20	20.6	20.3	103	102	80-120	1	20	
Toluene	ug/L	20	20.7	20.3	103	101	80-120	2	20	
a,a,a-Trifluorotoluene (S)	%				101	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2231928 2231929

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40227296001 Result	Spike Conc.	Spike Conc.	MS Result						
1,2,4-Trimethylbenzene	ug/L	<0.34	20	20	20.0	20.6	100	103	49-130	3	20
1,3,5-Trimethylbenzene	ug/L	<0.33	20	20	20.4	21.0	102	105	42-139	3	20
Benzene	ug/L	<0.14	20	20	21.4	21.6	107	108	78-130	0	20
Ethylbenzene	ug/L	<0.33	20	20	21.5	21.8	108	109	81-127	1	20
m&p-Xylene	ug/L	<0.32	40	40	42.5	43.2	106	108	73-130	2	20

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QUALITY CONTROL DATA

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40227692

Parameter	Units	2231928		2231929		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40227296001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Methyl-tert-butyl ether	ug/L	<0.32	20	20	20.8	21.1	104	105	76-118	1	20	
Naphthalene	ug/L	<0.51	20	20	20.1	20.3	100	102	76-117	1	20	
o-Xylene	ug/L	<0.15	20	20	21.0	21.3	105	107	75-127	1	20	
Toluene	ug/L	<0.16	20	20	21.4	21.6	107	108	78-129	1	20	
a,a,a-Trifluorotoluene (S)	%						100	100	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

QC Batch: 387030 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40227692017, 40227692018, 40227692019, 40227692020, 40227692021, 40227692022

METHOD BLANK: 2232609 Matrix: Water
Associated Lab Samples: 40227692017, 40227692018, 40227692019, 40227692020, 40227692021, 40227692022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.0	06/03/21 09:23	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.0	06/03/21 09:23	
Benzene	ug/L	<0.14	1.0	06/03/21 09:23	
Ethylbenzene	ug/L	<0.33	1.0	06/03/21 09:23	
m&p-Xylene	ug/L	<0.32	2.0	06/03/21 09:23	
Methyl-tert-butyl ether	ug/L	<0.32	1.0	06/03/21 09:23	
Naphthalene	ug/L	<0.51	1.0	06/03/21 09:23	
o-Xylene	ug/L	<0.15	1.0	06/03/21 09:23	
Toluene	ug/L	<0.16	1.0	06/03/21 09:23	
a,a,a-Trifluorotoluene (S)	%	101	80-120	06/03/21 09:23	

LABORATORY CONTROL SAMPLE & LCSD: 2232610 2232611

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.8	20.6	104	103	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	21.4	21.1	107	106	80-120	1	20	
Benzene	ug/L	20	21.5	21.3	107	106	80-120	1	20	
Ethylbenzene	ug/L	20	21.6	21.4	108	107	80-120	1	20	
m&p-Xylene	ug/L	40	43.1	42.6	108	107	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	22.2	22.1	111	110	80-120	0	20	
Naphthalene	ug/L	20	21.4	21.6	107	108	80-120	1	20	
o-Xylene	ug/L	20	21.4	21.1	107	106	80-120	1	20	
Toluene	ug/L	20	21.4	21.3	107	106	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				101	100	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2232612 2232613

Parameter	Units	40227692019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	<8.6	500	500	499	500	100	100	49-130	0	20	
1,3,5-Trimethylbenzene	ug/L	<8.2	500	500	511	513	102	103	42-139	0	20	
Benzene	ug/L	2200	500	500	2660	2710	91	101	78-130	2	20	
Ethylbenzene	ug/L	24.7J	500	500	534	529	102	101	81-127	1	20	
m&p-Xylene	ug/L	40.1J	1000	1000	1060	1050	102	100	73-130	1	20	
Methyl-tert-butyl ether	ug/L	<8.0	500	500	552	548	110	110	76-118	1	20	
Naphthalene	ug/L	<12.6	500	500	547	555	109	111	76-117	1	20	
o-Xylene	ug/L	<3.8	500	500	511	508	102	102	75-127	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Parameter	Units	2232612		2232613		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40227692019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Toluene	ug/L	68.0	500	500	567	564	100	99	78-129	1	20		
a,a,a-Trifluorotoluene (S)	%							100	100	80-120			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40227692

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40227692

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40227692001	MW0W-2D	WI MOD GRO	386762		
40227692002	MW-49S	WI MOD GRO	386762		
40227692003	MWBD-1D	WI MOD GRO	386762		
40227692004	MWRR-1D	WI MOD GRO	386762		
40227692005	MWM-2D	WI MOD GRO	386762		
40227692006	MW-45D	WI MOD GRO	386762		
40227692007	MWM-10D	WI MOD GRO	386762		
40227692008	MW-30S	WI MOD GRO	386762		
40227692009	MWM-9RD	WI MOD GRO	386762		
40227692010	MWT-2D	WI MOD GRO	386762		
40227692011	DUP-2	WI MOD GRO	386762		
40227692012	TRIP BLANK	WI MOD GRO	386762		
40227692013	MW-46D	WI MOD GRO	386762		
40227692014	MW-40D	WI MOD GRO	386762		
40227692015	MW-41D	WI MOD GRO	386762		
40227692016	MW-37DD	WI MOD GRO	386762		
40227692017	MW-36D	WI MOD GRO	387030		
40227692018	MW-30D	WI MOD GRO	387030		
40227692019	MW-37D	WI MOD GRO	387030		
40227692020	MWM-7D	WI MOD GRO	387030		
40227692021	DUP-1	WI MOD GRO	387030		
40227692022	TRIP BLANK	WI MOD GRO	387030		

REPORT OF LABORATORY ANALYSIS

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Addresses		Order By :	Ship To :	Return To:	
Company	Antea Group	Company	Antea Group	Company	Pace Analytical Green Bay
Contact	Layne Kortbein	Contact	Layne Kortbein	Contact	Hyska, Christopher
Email	Layne.Kortbein@anteagroup.com	Email	Layne.Kortbein@anteagroup.com	Email	christopher.hyska@pacelabs.com
Address	5910 Rice Creek Pkwy	Address	5910 Rice Creek Pkwy	Address	1241 Bellevue Street
Address 2	Suite 100	Address 2	Suite 100	Address 2	Suite 9
City	Shoreview	City	Shoreview	City	Green Bay
State	MN Zip 55126	State	MN Zip 55126	State	WI Zip 54302
Phone	(651) 697-5117	Phone	(651) 697-5117	Phone	(920)469-2436

Info

Project Name Superior Terminal Due Date 05/19/2021 Profile 4192 Quote _____

Project Manager Hyska, Christopher Return Date _____ Carrier Most Economical Location WI

Trip Blanks

Include Trip Blanks

Bottle Labels

Blank

Pre-Printed No Sample IDs

Pre-Printed With Sample IDs

Bottles

Boxed Cases

Individually Wrapped

Grouped By Sample ID/Matrix

Return Shipping Labels

No Shipper

With Shipper

Misc

Sampling Instructions

Custody Seal

Temp. Blanks

Coolers

Syringes

Extra Bubble Wrap

Short Hold/Rush Stickers

DI Water

USDA Regulated Soils

COC Options

Number of Blanks

Pre-Printed

# of Samples	Matrix	Test	Container	Total	# of	Lot #	Notes
26	WT	PVOC+Naph	3-40mL glass vial w/ HCl	78	0	B-1-079-01VB	Includes extra for 2 sets of MS/MSD
2	WT	Trip BLANK	2-40mL HCl+DI water	4	0	B-1-146-01VB	one set of TB per day of shipment

Hazard Shipping Placard In Place : NA

*Sample receiving hours are typically 8am-5pm, but may differ by location. Please check with your Pace Project Manager.

*Pace Analytical reserves the right to return hazardous, toxic, or radioactive samples to you.

*Pace Analytical reserves the right to charge for unused bottles, as well as cost associated with sample storage/disposal.

*Payment term are net 30 days.

*Please include the proposal number on the chain of custody to insure proper billing.

LAB USE:

Ship Date :

Prepared By:

Verified By:

Sample

CLIENT USE (Optional):

Date Rec'd:

Received By:

Verified By:

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: Antea Group

Project # 40227692

All containers needing preservation have been checked and noted below: Yes No N/A

Initial when completed:

Date/Time:

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass								Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)	
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC								GN
001																3																	2.5 / 5 / 10
002																3																	2.5 / 5 / 10
003																3																	2.5 / 5 / 10
004																3																	2.5 / 5 / 10
005																3																	2.5 / 5 / 10
006																3																	2.5 / 5 / 10
007																3																	2.5 / 5 / 10
008																3																	2.5 / 5 / 10
009																3																	2.5 / 5 / 10
010																3																	2.5 / 5 / 10
011																3																	2.5 / 5 / 10
012																2																	2.5 / 5 / 10
013																3																	2.5 / 5 / 10
014																3																	2.5 / 5 / 10
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016																3																	2.5 / 5 / 10
017																3																	2.5 / 5 / 10
018																3																	2.5 / 5 / 10
019																3																	2.5 / 5 / 10
020																3																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	VG9A 40 mL clear ascorbic	JGFU 4 oz amber jar unpres
BG1U 1 liter clear glass	BP3U 250 mL plastic unpres	DG9T 40 mL amber Na Thio	JG9U 9 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP3B 250 mL plastic NaOH	VG9U 40 mL clear vial unpres	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9H 40 mL clear vial HCL	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3S 250 mL plastic H2SO4	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG5U 100 mL amber glass unpres		VG9D 40 mL clear vial DI	ZPLC ziploc bag
AG2S 500 mL amber glass H2SO4			GN
BG3U 250 mL clear glass unpres			


Sample Preservation Receipt Form

Client Name: Antea Group

Project #: 40227692

Pace Lab #	Glass								Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)													
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC								GN												
021																																													2.5 / 5 / 10
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5/28/21
 1570

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

Client Name: Ankea Group

WO# : 40227692

Courier: CS Logistics Fed Ex Speedee UPS Waltco

Client Pace Other: _____

Tracking #: 6779 8899 3984 / 6779 8899 3973



Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 90 Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 1.1 / Corr: 5.5

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Person examining contents:
Date: <u>5/28/24</u> / Initials: <u>LY</u>
Labeled By Initials: <u>ALW</u>

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>2 CC</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>463</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

October 20, 2021

Jonathan Zimdars
Antea Group - MN
5910 Rice Creek Parkway
Saint Paul, MN 55126

RE: Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40234744

Dear Jonathan Zimdars:

Enclosed are the analytical results for sample(s) received by the laboratory on October 08, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Layne Kortbein, Antea Group



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40234744001	MW-46D	Water	10/04/21 14:43	10/08/21 09:15
40234744002	MW-40D	Water	10/04/21 14:45	10/08/21 09:15
40234744003	MWM-2D	Water	10/04/21 15:40	10/08/21 09:15
40234744004	MWOW-2D	Water	10/04/21 16:10	10/08/21 09:15
40234744005	MW-49S	Water	10/04/21 16:20	10/08/21 09:15
40234744006	MW-41D	Water	10/05/21 09:40	10/08/21 09:15
40234744007	MWBD-1D	Water	10/05/21 09:15	10/08/21 09:15
40234744008	MW-45D	Water	10/05/21 10:55	10/08/21 09:15
40234744009	MWRR-1DR	Water	10/05/21 09:45	10/08/21 09:15
40234744010	MW-37DD	Water	10/05/21 11:20	10/08/21 09:15
40234744011	MWM-10D	Water	10/05/21 11:48	10/08/21 09:15
40234744012	MW-36D	Water	10/05/21 12:05	10/08/21 09:15
40234744013	MW-30D	Water	10/05/21 13:55	10/08/21 09:15
40234744014	MWM-9RD	Water	10/05/21 14:00	10/08/21 09:15
40234744015	MW-37D	Water	10/05/21 14:45	10/08/21 09:15
40234744016	MW-30S	Water	10/05/21 14:46	10/08/21 09:15
40234744017	MWT-2D	Water	10/05/21 15:45	10/08/21 09:15
40234744018	MWM-7D	Water	10/05/21 15:50	10/08/21 09:15
40234744019	DUP-1	Water	10/05/21 00:00	10/08/21 09:15
40234744020	DUP-2	Water	10/05/21 00:00	10/08/21 09:15
40234744021	TRIP BLANK	Water	10/05/21 16:00	10/08/21 09:15

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SAMPLE ANALYTE COUNT

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40234744001	MW-46D	WI MOD GRO	ALD	10	PASI-G
40234744002	MW-40D	WI MOD GRO	ALD	10	PASI-G
40234744003	MWM-2D	WI MOD GRO	ALD	10	PASI-G
40234744004	MWOW-2D	WI MOD GRO	ALD	10	PASI-G
40234744005	MW-49S	WI MOD GRO	ALD	10	PASI-G
40234744006	MW-41D	WI MOD GRO	ALD	10	PASI-G
40234744007	MWBD-1D	WI MOD GRO	ALD	10	PASI-G
40234744008	MW-45D	WI MOD GRO	ALD	10	PASI-G
40234744009	MWRR-1DR	WI MOD GRO	ALD	10	PASI-G
40234744010	MW-37DD	WI MOD GRO	ALD	10	PASI-G
40234744011	MWM-10D	WI MOD GRO	ALD	10	PASI-G
40234744012	MW-36D	WI MOD GRO	ALD	10	PASI-G
40234744013	MW-30D	WI MOD GRO	ALD	10	PASI-G
40234744014	MWM-9RD	WI MOD GRO	ALD	10	PASI-G
40234744015	MW-37D	WI MOD GRO	ALD	10	PASI-G
40234744016	MW-30S	WI MOD GRO	ALD	10	PASI-G
40234744017	MWT-2D	WI MOD GRO	ALD	10	PASI-G
40234744018	MWM-7D	WI MOD GRO	ALD	10	PASI-G
40234744019	DUP-1	WI MOD GRO	ALD	10	PASI-G
40234744020	DUP-2	WI MOD GRO	ALD	10	PASI-G
40234744021	TRIP BLANK	WI MOD GRO	ALD	10	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: WISUP211 SUPERIOR TERMINAL
 Pace Project No.: 40234744

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40234744001	MW-46D					
WI MOD GRO	m&p-Xylene	1.3J	ug/L	2.0	10/14/21 16:22	
40234744003	MWM-2D					
WI MOD GRO	Toluene	0.26J	ug/L	1.0	10/13/21 16:23	
40234744005	MW-49S					
WI MOD GRO	Benzene	0.32J	ug/L	1.0	10/13/21 17:14	
40234744006	MW-41D					
WI MOD GRO	Benzene	3.8	ug/L	1.0	10/13/21 17:40	
40234744007	MWBD-1D					
WI MOD GRO	Benzene	68.5	ug/L	1.0	10/13/21 18:06	
40234744008	MW-45D					
WI MOD GRO	Benzene	104	ug/L	1.0	10/13/21 18:32	
40234744009	MWRR-1DR					
WI MOD GRO	Benzene	302	ug/L	2.5	10/14/21 03:10	
WI MOD GRO	Methyl-tert-butyl ether	1.6J	ug/L	2.5	10/14/21 03:10	
WI MOD GRO	Toluene	5.6	ug/L	2.5	10/14/21 03:10	
WI MOD GRO	o-Xylene	4.3	ug/L	2.5	10/14/21 03:10	
40234744010	MW-37DD					
WI MOD GRO	Benzene	1060	ug/L	10.0	10/14/21 01:26	
40234744011	MWM-10D					
WI MOD GRO	Benzene	1380	ug/L	10.0	10/14/21 01:52	
WI MOD GRO	Ethylbenzene	10.8	ug/L	10.0	10/14/21 01:52	
WI MOD GRO	Methyl-tert-butyl ether	8.9J	ug/L	10.0	10/14/21 01:52	
WI MOD GRO	Naphthalene	13.1	ug/L	10.0	10/14/21 01:52	
WI MOD GRO	Toluene	33.2	ug/L	10.0	10/14/21 01:52	
WI MOD GRO	1,2,4-Trimethylbenzene	5.9J	ug/L	10.0	10/14/21 01:52	
WI MOD GRO	1,3,5-Trimethylbenzene	3.9J	ug/L	10.0	10/14/21 01:52	
WI MOD GRO	m&p-Xylene	36.2	ug/L	20.0	10/14/21 01:52	
WI MOD GRO	o-Xylene	2.1J	ug/L	10.0	10/14/21 01:52	
40234744012	MW-36D					
WI MOD GRO	Benzene	1360	ug/L	10.0	10/14/21 02:18	
WI MOD GRO	Ethylbenzene	7.3J	ug/L	10.0	10/14/21 02:18	
WI MOD GRO	Methyl-tert-butyl ether	3.5J	ug/L	10.0	10/14/21 02:18	
WI MOD GRO	Toluene	14.1	ug/L	10.0	10/14/21 02:18	
WI MOD GRO	m&p-Xylene	3.6J	ug/L	20.0	10/14/21 02:18	
40234744013	MW-30D					
WI MOD GRO	Benzene	1910	ug/L	20.0	10/13/21 22:00	
WI MOD GRO	Ethylbenzene	75.4	ug/L	20.0	10/13/21 22:00	
WI MOD GRO	Naphthalene	163	ug/L	20.0	10/13/21 22:00	
WI MOD GRO	Toluene	62.0	ug/L	20.0	10/13/21 22:00	
WI MOD GRO	m&p-Xylene	56.1	ug/L	40.0	10/13/21 22:00	

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SUMMARY OF DETECTION

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40234744014	MWM-9RD					
WI MOD GRO	Benzene	2350	ug/L	25.0	10/13/21 20:42	
WI MOD GRO	Ethylbenzene	70.7	ug/L	25.0	10/13/21 20:42	
WI MOD GRO	Methyl-tert-butyl ether	480	ug/L	25.0	10/13/21 20:42	
WI MOD GRO	Naphthalene	49.5	ug/L	25.0	10/13/21 20:42	
WI MOD GRO	Toluene	43.3	ug/L	25.0	10/13/21 20:42	
WI MOD GRO	1,2,4-Trimethylbenzene	38.7	ug/L	25.0	10/13/21 20:42	
WI MOD GRO	1,3,5-Trimethylbenzene	23.5J	ug/L	25.0	10/13/21 20:42	
WI MOD GRO	m&p-Xylene	127	ug/L	50.0	10/13/21 20:42	
40234744015	MW-37D					
WI MOD GRO	Benzene	2270	ug/L	25.0	10/13/21 21:08	
WI MOD GRO	Ethylbenzene	23.9J	ug/L	25.0	10/13/21 21:08	
WI MOD GRO	Toluene	69.9	ug/L	25.0	10/13/21 21:08	
WI MOD GRO	m&p-Xylene	37.1J	ug/L	50.0	10/13/21 21:08	
40234744016	MW-30S					
WI MOD GRO	Benzene	2210	ug/L	20.0	10/14/21 01:01	
WI MOD GRO	Ethylbenzene	362	ug/L	20.0	10/14/21 01:01	
WI MOD GRO	Naphthalene	309	ug/L	20.0	10/14/21 01:01	
WI MOD GRO	Toluene	2130	ug/L	20.0	10/14/21 01:01	
WI MOD GRO	1,2,4-Trimethylbenzene	256	ug/L	20.0	10/14/21 01:01	
WI MOD GRO	1,3,5-Trimethylbenzene	71.7	ug/L	20.0	10/14/21 01:01	
WI MOD GRO	m&p-Xylene	1040	ug/L	40.0	10/14/21 01:01	
WI MOD GRO	o-Xylene	488	ug/L	20.0	10/14/21 01:01	
40234744017	MWT-2D					
WI MOD GRO	Benzene	2520	ug/L	25.0	10/13/21 21:34	
WI MOD GRO	Ethylbenzene	225	ug/L	25.0	10/13/21 21:34	
WI MOD GRO	Methyl-tert-butyl ether	111	ug/L	25.0	10/13/21 21:34	
WI MOD GRO	Naphthalene	93.6	ug/L	25.0	10/13/21 21:34	
WI MOD GRO	Toluene	134	ug/L	25.0	10/13/21 21:34	
WI MOD GRO	1,2,4-Trimethylbenzene	79.6	ug/L	25.0	10/13/21 21:34	
WI MOD GRO	1,3,5-Trimethylbenzene	36.2	ug/L	25.0	10/13/21 21:34	
WI MOD GRO	m&p-Xylene	234	ug/L	50.0	10/13/21 21:34	
WI MOD GRO	o-Xylene	19.1J	ug/L	25.0	10/13/21 21:34	
40234744018	MWM-7D					
WI MOD GRO	Benzene	2650	ug/L	20.0	10/13/21 22:26	
WI MOD GRO	Ethylbenzene	65.0	ug/L	20.0	10/13/21 22:26	
WI MOD GRO	Toluene	58.7	ug/L	20.0	10/13/21 22:26	
WI MOD GRO	1,2,4-Trimethylbenzene	9.7J	ug/L	20.0	10/13/21 22:26	
WI MOD GRO	m&p-Xylene	59.9	ug/L	40.0	10/13/21 22:26	
40234744019	DUP-1					
WI MOD GRO	Benzene	2250	ug/L	10.0	10/14/21 02:44	
WI MOD GRO	Ethylbenzene	23.2	ug/L	10.0	10/14/21 02:44	
WI MOD GRO	Toluene	69.6	ug/L	10.0	10/14/21 02:44	
WI MOD GRO	m&p-Xylene	34.6	ug/L	20.0	10/14/21 02:44	
WI MOD GRO	o-Xylene	3.5J	ug/L	10.0	10/14/21 02:44	

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SUMMARY OF DETECTION

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40234744020	DUP-2					
WI MOD GRO	Benzene	2500	ug/L	20.0	10/13/21 22:51	
WI MOD GRO	Ethylbenzene	220	ug/L	20.0	10/13/21 22:51	
WI MOD GRO	Methyl-tert-butyl ether	102	ug/L	20.0	10/13/21 22:51	
WI MOD GRO	Naphthalene	85.5	ug/L	20.0	10/13/21 22:51	
WI MOD GRO	Toluene	133	ug/L	20.0	10/13/21 22:51	
WI MOD GRO	1,2,4-Trimethylbenzene	77.0	ug/L	20.0	10/13/21 22:51	
WI MOD GRO	1,3,5-Trimethylbenzene	34.2	ug/L	20.0	10/13/21 22:51	
WI MOD GRO	m&p-Xylene	229	ug/L	40.0	10/13/21 22:51	
WI MOD GRO	o-Xylene	19.8J	ug/L	20.0	10/13/21 22:51	

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PROJECT NARRATIVE

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Method: WI MOD GRO

Description: WIGRO GCV

Client: Antea Group

Date: October 20, 2021

General Information:

21 samples were analyzed for WI MOD GRO by Pace Analytical Services Green Bay. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

pH: Post-analysis pH measurement indicates insufficient VOA sample preservation.

- MWM-2D (Lab ID: 40234744003)
- MWRR-1DR (Lab ID: 40234744009)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 398804

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 40235209003

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2303164)
 - Benzene
- MSD (Lab ID: 2303165)
 - Benzene

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40234744

Sample: MW-46D **Lab ID: 40234744001** Collected: 10/04/21 14:43 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		10/14/21 16:22	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/21 16:22	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		10/14/21 16:22	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		10/14/21 16:22	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		10/14/21 16:22	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		10/14/21 16:22	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		10/14/21 16:22	108-67-8	
m&p-Xylene	1.3J	ug/L	2.0	0.32	1		10/14/21 16:22	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		10/14/21 16:22	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		10/14/21 16:22	98-08-8	

Sample: MW-40D **Lab ID: 40234744002** Collected: 10/04/21 14:45 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		10/13/21 15:57	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 15:57	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		10/13/21 15:57	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		10/13/21 15:57	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		10/13/21 15:57	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		10/13/21 15:57	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 15:57	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		10/13/21 15:57	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		10/13/21 15:57	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		10/13/21 15:57	98-08-8	

Sample: MWM-2D **Lab ID: 40234744003** Collected: 10/04/21 15:40 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		10/13/21 16:23	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 16:23	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		10/13/21 16:23	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		10/13/21 16:23	91-20-3	
Toluene	0.26J	ug/L	1.0	0.16	1		10/13/21 16:23	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		10/13/21 16:23	95-63-6	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40234744

Sample: MWM-2D Lab ID: 40234744003 Collected: 10/04/21 15:40 Received: 10/08/21 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 16:23	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		10/13/21 16:23	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		10/13/21 16:23	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		10/13/21 16:23	98-08-8	pH

Sample: MWOW-2D Lab ID: 40234744004 Collected: 10/04/21 16:10 Received: 10/08/21 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		10/13/21 16:49	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 16:49	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		10/13/21 16:49	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		10/13/21 16:49	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		10/13/21 16:49	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		10/13/21 16:49	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 16:49	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		10/13/21 16:49	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		10/13/21 16:49	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		1		10/13/21 16:49	98-08-8	

Sample: MW-49S Lab ID: 40234744005 Collected: 10/04/21 16:20 Received: 10/08/21 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	0.32J	ug/L	1.0	0.14	1		10/13/21 17:14	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 17:14	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		10/13/21 17:14	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		10/13/21 17:14	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		10/13/21 17:14	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		10/13/21 17:14	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 17:14	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		10/13/21 17:14	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		10/13/21 17:14	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		10/13/21 17:14	98-08-8	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Sample: MW-41D Lab ID: 40234744006 Collected: 10/05/21 09:40 Received: 10/08/21 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	3.8	ug/L	1.0	0.14	1		10/13/21 17:40	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 17:40	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		10/13/21 17:40	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		10/13/21 17:40	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		10/13/21 17:40	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		10/13/21 17:40	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 17:40	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		10/13/21 17:40	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		10/13/21 17:40	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1		10/13/21 17:40	98-08-8	

Sample: MWBD-1D Lab ID: 40234744007 Collected: 10/05/21 09:15 Received: 10/08/21 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	68.5	ug/L	1.0	0.14	1		10/13/21 18:06	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 18:06	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		10/13/21 18:06	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		10/13/21 18:06	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		10/13/21 18:06	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		10/13/21 18:06	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 18:06	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		10/13/21 18:06	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		10/13/21 18:06	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1		10/13/21 18:06	98-08-8	

Sample: MW-45D Lab ID: 40234744008 Collected: 10/05/21 10:55 Received: 10/08/21 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	104	ug/L	1.0	0.14	1		10/13/21 18:32	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 18:32	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		10/13/21 18:32	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		10/13/21 18:32	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		10/13/21 18:32	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		10/13/21 18:32	95-63-6	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Sample: MW-45D **Lab ID: 40234744008** Collected: 10/05/21 10:55 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		10/13/21 18:32	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		10/13/21 18:32	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		10/13/21 18:32	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		1		10/13/21 18:32	98-08-8	

Sample: MWRR-1DR **Lab ID: 40234744009** Collected: 10/05/21 09:45 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	302	ug/L	2.5	0.36	2.5		10/14/21 03:10	71-43-2	
Ethylbenzene	<0.82	ug/L	2.5	0.82	2.5		10/14/21 03:10	100-41-4	
Methyl-tert-butyl ether	1.6J	ug/L	2.5	0.80	2.5		10/14/21 03:10	1634-04-4	
Naphthalene	<1.3	ug/L	2.5	1.3	2.5		10/14/21 03:10	91-20-3	
Toluene	5.6	ug/L	2.5	0.41	2.5		10/14/21 03:10	108-88-3	
1,2,4-Trimethylbenzene	<0.86	ug/L	2.5	0.86	2.5		10/14/21 03:10	95-63-6	
1,3,5-Trimethylbenzene	<0.82	ug/L	2.5	0.82	2.5		10/14/21 03:10	108-67-8	
m&p-Xylene	<0.80	ug/L	5.0	0.80	2.5		10/14/21 03:10	179601-23-1	
o-Xylene	4.3	ug/L	2.5	0.38	2.5		10/14/21 03:10	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		2.5		10/14/21 03:10	98-08-8	pH

Sample: MW-37DD **Lab ID: 40234744010** Collected: 10/05/21 11:20 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	1060	ug/L	10.0	1.4	10		10/14/21 01:26	71-43-2	
Ethylbenzene	<3.3	ug/L	10.0	3.3	10		10/14/21 01:26	100-41-4	
Methyl-tert-butyl ether	<3.2	ug/L	10.0	3.2	10		10/14/21 01:26	1634-04-4	
Naphthalene	<5.1	ug/L	10.0	5.1	10		10/14/21 01:26	91-20-3	
Toluene	<1.6	ug/L	10.0	1.6	10		10/14/21 01:26	108-88-3	
1,2,4-Trimethylbenzene	<3.4	ug/L	10.0	3.4	10		10/14/21 01:26	95-63-6	
1,3,5-Trimethylbenzene	<3.3	ug/L	10.0	3.3	10		10/14/21 01:26	108-67-8	
m&p-Xylene	<3.2	ug/L	20.0	3.2	10		10/14/21 01:26	179601-23-1	
o-Xylene	<1.5	ug/L	10.0	1.5	10		10/14/21 01:26	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		10		10/14/21 01:26	98-08-8	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40234744

Sample: MWM-10D									
Lab ID: 40234744011									
Collected: 10/05/21 11:48 Received: 10/08/21 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	1380	ug/L	10.0	1.4	10		10/14/21 01:52	71-43-2	
Ethylbenzene	10.8	ug/L	10.0	3.3	10		10/14/21 01:52	100-41-4	
Methyl-tert-butyl ether	8.9J	ug/L	10.0	3.2	10		10/14/21 01:52	1634-04-4	
Naphthalene	13.1	ug/L	10.0	5.1	10		10/14/21 01:52	91-20-3	
Toluene	33.2	ug/L	10.0	1.6	10		10/14/21 01:52	108-88-3	
1,2,4-Trimethylbenzene	5.9J	ug/L	10.0	3.4	10		10/14/21 01:52	95-63-6	
1,3,5-Trimethylbenzene	3.9J	ug/L	10.0	3.3	10		10/14/21 01:52	108-67-8	
m&p-Xylene	36.2	ug/L	20.0	3.2	10		10/14/21 01:52	179601-23-1	
o-Xylene	2.1J	ug/L	10.0	1.5	10		10/14/21 01:52	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		10		10/14/21 01:52	98-08-8	

Sample: MW-36D									
Lab ID: 40234744012									
Collected: 10/05/21 12:05 Received: 10/08/21 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	1360	ug/L	10.0	1.4	10		10/14/21 02:18	71-43-2	
Ethylbenzene	7.3J	ug/L	10.0	3.3	10		10/14/21 02:18	100-41-4	
Methyl-tert-butyl ether	3.5J	ug/L	10.0	3.2	10		10/14/21 02:18	1634-04-4	
Naphthalene	<5.1	ug/L	10.0	5.1	10		10/14/21 02:18	91-20-3	
Toluene	14.1	ug/L	10.0	1.6	10		10/14/21 02:18	108-88-3	
1,2,4-Trimethylbenzene	<3.4	ug/L	10.0	3.4	10		10/14/21 02:18	95-63-6	
1,3,5-Trimethylbenzene	<3.3	ug/L	10.0	3.3	10		10/14/21 02:18	108-67-8	
m&p-Xylene	3.6J	ug/L	20.0	3.2	10		10/14/21 02:18	179601-23-1	
o-Xylene	<1.5	ug/L	10.0	1.5	10		10/14/21 02:18	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		10		10/14/21 02:18	98-08-8	

Sample: MW-30D									
Lab ID: 40234744013									
Collected: 10/05/21 13:55 Received: 10/08/21 09:15 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	1910	ug/L	20.0	2.9	20		10/13/21 22:00	71-43-2	
Ethylbenzene	75.4	ug/L	20.0	6.6	20		10/13/21 22:00	100-41-4	
Methyl-tert-butyl ether	<6.4	ug/L	20.0	6.4	20		10/13/21 22:00	1634-04-4	
Naphthalene	163	ug/L	20.0	10.1	20		10/13/21 22:00	91-20-3	
Toluene	62.0	ug/L	20.0	3.3	20		10/13/21 22:00	108-88-3	
1,2,4-Trimethylbenzene	<6.8	ug/L	20.0	6.8	20		10/13/21 22:00	95-63-6	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40234744

Sample: MW-30D **Lab ID: 40234744013** Collected: 10/05/21 13:55 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
1,3,5-Trimethylbenzene	<6.6	ug/L	20.0	6.6	20		10/13/21 22:00	108-67-8	
m&p-Xylene	56.1	ug/L	40.0	6.4	20		10/13/21 22:00	179601-23-1	
o-Xylene	<3.0	ug/L	20.0	3.0	20		10/13/21 22:00	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		20		10/13/21 22:00	98-08-8	

Sample: MWM-9RD **Lab ID: 40234744014** Collected: 10/05/21 14:00 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2350	ug/L	25.0	3.6	25		10/13/21 20:42	71-43-2	
Ethylbenzene	70.7	ug/L	25.0	8.2	25		10/13/21 20:42	100-41-4	
Methyl-tert-butyl ether	480	ug/L	25.0	8.0	25		10/13/21 20:42	1634-04-4	
Naphthalene	49.5	ug/L	25.0	12.6	25		10/13/21 20:42	91-20-3	
Toluene	43.3	ug/L	25.0	4.1	25		10/13/21 20:42	108-88-3	
1,2,4-Trimethylbenzene	38.7	ug/L	25.0	8.6	25		10/13/21 20:42	95-63-6	
1,3,5-Trimethylbenzene	23.5J	ug/L	25.0	8.2	25		10/13/21 20:42	108-67-8	
m&p-Xylene	127	ug/L	50.0	8.0	25		10/13/21 20:42	179601-23-1	
o-Xylene	<3.8	ug/L	25.0	3.8	25		10/13/21 20:42	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	107	%	80-120		25		10/13/21 20:42	98-08-8	

Sample: MW-37D **Lab ID: 40234744015** Collected: 10/05/21 14:45 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2270	ug/L	25.0	3.6	25		10/13/21 21:08	71-43-2	
Ethylbenzene	23.9J	ug/L	25.0	8.2	25		10/13/21 21:08	100-41-4	
Methyl-tert-butyl ether	<8.0	ug/L	25.0	8.0	25		10/13/21 21:08	1634-04-4	
Naphthalene	<12.6	ug/L	25.0	12.6	25		10/13/21 21:08	91-20-3	
Toluene	69.9	ug/L	25.0	4.1	25		10/13/21 21:08	108-88-3	
1,2,4-Trimethylbenzene	<8.6	ug/L	25.0	8.6	25		10/13/21 21:08	95-63-6	
1,3,5-Trimethylbenzene	<8.2	ug/L	25.0	8.2	25		10/13/21 21:08	108-67-8	
m&p-Xylene	37.1J	ug/L	50.0	8.0	25		10/13/21 21:08	179601-23-1	
o-Xylene	<3.8	ug/L	25.0	3.8	25		10/13/21 21:08	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		25		10/13/21 21:08	98-08-8	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40234744

Sample: MW-30S **Lab ID: 40234744016** Collected: 10/05/21 14:46 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2210	ug/L	20.0	2.9	20		10/14/21 01:01	71-43-2	
Ethylbenzene	362	ug/L	20.0	6.6	20		10/14/21 01:01	100-41-4	
Methyl-tert-butyl ether	<6.4	ug/L	20.0	6.4	20		10/14/21 01:01	1634-04-4	
Naphthalene	309	ug/L	20.0	10.1	20		10/14/21 01:01	91-20-3	
Toluene	2130	ug/L	20.0	3.3	20		10/14/21 01:01	108-88-3	
1,2,4-Trimethylbenzene	256	ug/L	20.0	6.8	20		10/14/21 01:01	95-63-6	
1,3,5-Trimethylbenzene	71.7	ug/L	20.0	6.6	20		10/14/21 01:01	108-67-8	
m&p-Xylene	1040	ug/L	40.0	6.4	20		10/14/21 01:01	179601-23-1	
o-Xylene	488	ug/L	20.0	3.0	20		10/14/21 01:01	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	105	%	80-120		20		10/14/21 01:01	98-08-8	

Sample: MWT-2D **Lab ID: 40234744017** Collected: 10/05/21 15:45 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2520	ug/L	25.0	3.6	25		10/13/21 21:34	71-43-2	
Ethylbenzene	225	ug/L	25.0	8.2	25		10/13/21 21:34	100-41-4	
Methyl-tert-butyl ether	111	ug/L	25.0	8.0	25		10/13/21 21:34	1634-04-4	
Naphthalene	93.6	ug/L	25.0	12.6	25		10/13/21 21:34	91-20-3	
Toluene	134	ug/L	25.0	4.1	25		10/13/21 21:34	108-88-3	
1,2,4-Trimethylbenzene	79.6	ug/L	25.0	8.6	25		10/13/21 21:34	95-63-6	
1,3,5-Trimethylbenzene	36.2	ug/L	25.0	8.2	25		10/13/21 21:34	108-67-8	
m&p-Xylene	234	ug/L	50.0	8.0	25		10/13/21 21:34	179601-23-1	
o-Xylene	19.1J	ug/L	25.0	3.8	25		10/13/21 21:34	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		25		10/13/21 21:34	98-08-8	

Sample: MWM-7D **Lab ID: 40234744018** Collected: 10/05/21 15:50 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2650	ug/L	20.0	2.9	20		10/13/21 22:26	71-43-2	
Ethylbenzene	65.0	ug/L	20.0	6.6	20		10/13/21 22:26	100-41-4	
Methyl-tert-butyl ether	<6.4	ug/L	20.0	6.4	20		10/13/21 22:26	1634-04-4	
Naphthalene	<10.1	ug/L	20.0	10.1	20		10/13/21 22:26	91-20-3	
Toluene	58.7	ug/L	20.0	3.3	20		10/13/21 22:26	108-88-3	
1,2,4-Trimethylbenzene	9.7J	ug/L	20.0	6.8	20		10/13/21 22:26	95-63-6	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40234744

Sample: MWM-7D **Lab ID: 40234744018** Collected: 10/05/21 15:50 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
1,3,5-Trimethylbenzene	<6.6	ug/L	20.0	6.6	20		10/13/21 22:26	108-67-8	
m&p-Xylene	59.9	ug/L	40.0	6.4	20		10/13/21 22:26	179601-23-1	
o-Xylene	<3.0	ug/L	20.0	3.0	20		10/13/21 22:26	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		20		10/13/21 22:26	98-08-8	

Sample: DUP-1 **Lab ID: 40234744019** Collected: 10/05/21 00:00 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2250	ug/L	10.0	1.4	10		10/14/21 02:44	71-43-2	
Ethylbenzene	23.2	ug/L	10.0	3.3	10		10/14/21 02:44	100-41-4	
Methyl-tert-butyl ether	<3.2	ug/L	10.0	3.2	10		10/14/21 02:44	1634-04-4	
Naphthalene	<5.1	ug/L	10.0	5.1	10		10/14/21 02:44	91-20-3	
Toluene	69.6	ug/L	10.0	1.6	10		10/14/21 02:44	108-88-3	
1,2,4-Trimethylbenzene	<3.4	ug/L	10.0	3.4	10		10/14/21 02:44	95-63-6	
1,3,5-Trimethylbenzene	<3.3	ug/L	10.0	3.3	10		10/14/21 02:44	108-67-8	
m&p-Xylene	34.6	ug/L	20.0	3.2	10		10/14/21 02:44	179601-23-1	
o-Xylene	3.5J	ug/L	10.0	1.5	10		10/14/21 02:44	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	98	%	80-120		10		10/14/21 02:44	98-08-8	

Sample: DUP-2 **Lab ID: 40234744020** Collected: 10/05/21 00:00 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	2500	ug/L	20.0	2.9	20		10/13/21 22:51	71-43-2	
Ethylbenzene	220	ug/L	20.0	6.6	20		10/13/21 22:51	100-41-4	
Methyl-tert-butyl ether	102	ug/L	20.0	6.4	20		10/13/21 22:51	1634-04-4	
Naphthalene	85.5	ug/L	20.0	10.1	20		10/13/21 22:51	91-20-3	
Toluene	133	ug/L	20.0	3.3	20		10/13/21 22:51	108-88-3	
1,2,4-Trimethylbenzene	77.0	ug/L	20.0	6.8	20		10/13/21 22:51	95-63-6	
1,3,5-Trimethylbenzene	34.2	ug/L	20.0	6.6	20		10/13/21 22:51	108-67-8	
m&p-Xylene	229	ug/L	40.0	6.4	20		10/13/21 22:51	179601-23-1	
o-Xylene	19.8J	ug/L	20.0	3.0	20		10/13/21 22:51	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	106	%	80-120		20		10/13/21 22:51	98-08-8	

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ANALYTICAL RESULTS

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Sample: TRIP BLANK **Lab ID: 40234744021** Collected: 10/05/21 16:00 Received: 10/08/21 09:15 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV									
Analytical Method: WI MOD GRO									
Pace Analytical Services - Green Bay									
Benzene	<0.14	ug/L	1.0	0.14	1		10/18/21 16:17	71-43-2	
Ethylbenzene	<0.33	ug/L	1.0	0.33	1		10/18/21 16:17	100-41-4	
Methyl-tert-butyl ether	<0.32	ug/L	1.0	0.32	1		10/18/21 16:17	1634-04-4	
Naphthalene	<0.51	ug/L	1.0	0.51	1		10/18/21 16:17	91-20-3	
Toluene	<0.16	ug/L	1.0	0.16	1		10/18/21 16:17	108-88-3	
1,2,4-Trimethylbenzene	<0.34	ug/L	1.0	0.34	1		10/18/21 16:17	95-63-6	
1,3,5-Trimethylbenzene	<0.33	ug/L	1.0	0.33	1		10/18/21 16:17	108-67-8	
m&p-Xylene	<0.32	ug/L	2.0	0.32	1		10/18/21 16:17	179601-23-1	
o-Xylene	<0.15	ug/L	1.0	0.15	1		10/18/21 16:17	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	91	%	80-120		1		10/18/21 16:17	98-08-8	

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QUALITY CONTROL DATA

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40234744

QC Batch:	398376	Analysis Method:	WI MOD GRO
QC Batch Method:	WI MOD GRO	Analysis Description:	WIGRO GCV Water
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40234744001, 40234744002, 40234744003, 40234744004, 40234744005, 40234744006, 40234744007, 40234744008, 40234744009, 40234744010, 40234744011, 40234744012, 40234744013, 40234744014, 40234744015, 40234744016, 40234744017, 40234744018, 40234744019, 40234744020

METHOD BLANK: 2299639 Matrix: Water
Associated Lab Samples: 40234744001, 40234744002, 40234744003, 40234744004, 40234744005, 40234744006, 40234744007, 40234744008, 40234744009, 40234744010, 40234744011, 40234744012, 40234744013, 40234744014, 40234744015, 40234744016, 40234744017, 40234744018, 40234744019, 40234744020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.0	10/13/21 14:13	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.0	10/13/21 14:13	
Benzene	ug/L	<0.14	1.0	10/13/21 14:13	
Ethylbenzene	ug/L	<0.33	1.0	10/13/21 14:13	
m&p-Xylene	ug/L	<0.32	2.0	10/13/21 14:13	
Methyl-tert-butyl ether	ug/L	<0.32	1.0	10/13/21 14:13	
Naphthalene	ug/L	<0.51	1.0	10/13/21 14:13	
o-Xylene	ug/L	<0.15	1.0	10/13/21 14:13	
Toluene	ug/L	<0.16	1.0	10/13/21 14:13	
a,a,a-Trifluorotoluene (S)	%	102	80-120	10/13/21 14:13	

Parameter	Units	2299640		2299641		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec				
1,2,4-Trimethylbenzene	ug/L	20	18.8	18.6	94	93	80-120	1	20
1,3,5-Trimethylbenzene	ug/L	20	18.7	18.5	94	92	80-120	1	20
Benzene	ug/L	20	20.4	20.3	102	102	80-120	0	20
Ethylbenzene	ug/L	20	20.1	20.2	100	101	80-120	0	20
m&p-Xylene	ug/L	40	39.2	39.3	98	98	80-120	0	20
Methyl-tert-butyl ether	ug/L	20	20.3	20.3	102	101	80-120	0	20
Naphthalene	ug/L	20	19.3	19.4	97	97	80-120	0	20
o-Xylene	ug/L	20	19.6	19.7	98	99	80-120	1	20
Toluene	ug/L	20	20.5	20.1	103	100	80-120	2	20
a,a,a-Trifluorotoluene (S)	%				103	101	80-120		

Parameter	Units	2300102		2300103		% Rec Limits	% Rec	RPD	Max RPD	Qual	
		MS		MSD							
		40234744003 Result	Spike Conc.	MS Result	MSD Result						
1,2,4-Trimethylbenzene	ug/L	<0.34	20	20	19.3	19.9	96	100	49-130	3	20
1,3,5-Trimethylbenzene	ug/L	<0.33	20	20	19.3	19.8	97	99	42-139	3	20
Benzene	ug/L	<0.14	20	20	21.2	21.7	106	108	78-130	2	20
Ethylbenzene	ug/L	<0.33	20	20	20.9	21.5	105	108	81-127	3	20
m&p-Xylene	ug/L	<0.32	40	40	40.8	41.6	102	104	73-130	2	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2300102		2300103		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		40234744003 Result	MS Spike Conc.	MSD Spike Conc.									
Methyl-tert-butyl ether	ug/L	<0.32	20	20	19.8	20.1	99	101	76-118	1	20		
Naphthalene	ug/L	<0.51	20	20	18.3	19.1	91	95	76-117	4	20		
o-Xylene	ug/L	<0.15	20	20	20.1	20.5	100	103	75-127	2	20		
Toluene	ug/L	0.26J	20	20	21.4	21.8	106	108	78-129	2	20		
a,a,a-Trifluorotoluene (S)	%						102	102	80-120			pH	

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QUALITY CONTROL DATA

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40234744

QC Batch: 398804 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40234744021

METHOD BLANK: 2302623 Matrix: Water
Associated Lab Samples: 40234744021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.34	1.0	10/18/21 10:54	
1,3,5-Trimethylbenzene	ug/L	<0.33	1.0	10/18/21 10:54	
Benzene	ug/L	<0.14	1.0	10/18/21 10:54	
Ethylbenzene	ug/L	<0.33	1.0	10/18/21 10:54	
m&p-Xylene	ug/L	<0.32	2.0	10/18/21 10:54	
Methyl-tert-butyl ether	ug/L	<0.32	1.0	10/18/21 10:54	
Naphthalene	ug/L	<0.51	1.0	10/18/21 10:54	
o-Xylene	ug/L	<0.15	1.0	10/18/21 10:54	
Toluene	ug/L	<0.16	1.0	10/18/21 10:54	
a,a,a-Trifluorotoluene (S)	%	92	80-120	10/18/21 10:54	

LABORATORY CONTROL SAMPLE & LCSD: 2302624 2302625

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	19.0	19.4	95	97	80-120	2	20	
1,3,5-Trimethylbenzene	ug/L	20	19.4	19.7	97	98	80-120	2	20	
Benzene	ug/L	20	20.5	20.6	103	103	80-120	1	20	
Ethylbenzene	ug/L	20	20.1	20.3	100	101	80-120	1	20	
m&p-Xylene	ug/L	40	39.3	39.7	98	99	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	19.3	19.8	96	99	80-120	2	20	
Naphthalene	ug/L	20	17.9	19.3	90	96	80-120	7	20	
o-Xylene	ug/L	20	19.4	19.6	97	98	80-120	1	20	
Toluene	ug/L	20	20.2	20.4	101	102	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				92	93	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2303164 2303165

Parameter	Units	40235209003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	ND	20	20	18.3	18.8	92	94	49-130	3	20	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	18.6	19.1	93	95	42-139	3	20	
Benzene	ug/L	288	20	20	294	300	29	63	78-130	2	20	M1
Ethylbenzene	ug/L	ND	20	20	19.1	19.6	96	98	81-127	3	20	
m&p-Xylene	ug/L	ND	40	40	37.5	38.6	94	96	73-130	3	20	
Methyl-tert-butyl ether	ug/L	ND	20	20	18.1	18.4	91	92	76-118	2	20	
Naphthalene	ug/L	ND	20	20	17.1	17.9	85	90	76-117	5	20	
o-Xylene	ug/L	ND	20	20	18.3	18.7	92	94	75-127	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

Parameter	Units	40235209003		2303164		2303165		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Toluene	ug/L	ND	20	20	19.3	19.7	96	99	78-129	2	20			
a,a,a-Trifluorotoluene (S)	%						88	90	80-120					

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: WISUP211 SUPERIOR TERMINAL

Pace Project No.: 40234744

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WISUP211 SUPERIOR TERMINAL
Pace Project No.: 40234744

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40234744001	MW-46D	WI MOD GRO	398376		
40234744002	MW-40D	WI MOD GRO	398376		
40234744003	MWM-2D	WI MOD GRO	398376		
40234744004	MWOW-2D	WI MOD GRO	398376		
40234744005	MW-49S	WI MOD GRO	398376		
40234744006	MW-41D	WI MOD GRO	398376		
40234744007	MWBD-1D	WI MOD GRO	398376		
40234744008	MW-45D	WI MOD GRO	398376		
40234744009	MWRR-1DR	WI MOD GRO	398376		
40234744010	MW-37DD	WI MOD GRO	398376		
40234744011	MWM-10D	WI MOD GRO	398376		
40234744012	MW-36D	WI MOD GRO	398376		
40234744013	MW-30D	WI MOD GRO	398376		
40234744014	MWM-9RD	WI MOD GRO	398376		
40234744015	MW-37D	WI MOD GRO	398376		
40234744016	MW-30S	WI MOD GRO	398376		
40234744017	MWT-2D	WI MOD GRO	398376		
40234744018	MWM-7D	WI MOD GRO	398376		
40234744019	DUP-1	WI MOD GRO	398376		
40234744020	DUP-2	WI MOD GRO	398376		
40234744021	TRIP BLANK	WI MOD GRO	398804		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

40234744

Page : 2 of 2

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Regulatory Agency	
Company: Antea Group	Report To: Jonathan Zimdars	Address: 5910 River Creek Pkwy	Copy To: Layne Kortbein	Attention: Jonathan Zimdars	Company Name: Antea Group	WI	
Address: Suite 100, Shoreview, MN 55126		Address: 5910 Rice Creek Pkwy, Shoreview, MN 55126		Pace Quote: N/A		State / Location	
Email: jzimdars@anteagroup.us	Purchase Order #:			Pace Project Manager: Chris Hyska - Pace-GB		WI	
Phone: 651-587-9658 Fax:	Project Name: Superior Terminal			Pace Profile #: 4192			
Requested Due Date: Standard TAT	Project #: WISUP211						

ITEM #	SAMPLE ID One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique	MATRIX Drinking Water DW Water WT Waste Water WW Product P Soil/Solid SL Oil OL Wipe WP Air AR Other OT Tissue TS	CODE DW WT WW P SL OL WP AR OT TS	COLLECTED				SAMPLE TEMP AT COLLECTION	Preservatives									Y/N Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)		
				START		END			# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other					
				DATE	TIME	DATE	TIME															
1	MW-30D	WTG	G	10/5/21	13:55			3			X							X				013
2	MWM-9RD	WTG	G	10/5/21	14:00			3			X							X				014
3	MW-37D	WTG	G	10/5/21	14:45			3			X							X				015
4	MW-30S	WTG	G	10/5/21	14:46			3			X							X				016
5	MWT-2D	WTG	G	10/5/21	15:45			3			X							X				017
6	MWM-7D	WTG	G	10/5/21	15:50			3			X							X				018
7	DUP-1	WTG	G	-	-			3			X							X				019
8	DUP-2	WTG	G	-	-			3			X							X				020
9	Trip Blank	WTG	G	10/5/21	16:00			2			X							X				021
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	
Send to Pace Green Bay - Overnight shipping	Nathan Pukal Antea Group F-0002	10/6/21	12:00					
		10/8/21	09:15	Alle	10/8/21	09:15	0	Y Y Y

SAMPLER NAME AND SIGNATURE		TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER:	Nathan Pukal				
SIGNATURE OF SAMPLER:	<i>Nathan Pukal</i>				
DATE Signed: 10/5/21					

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Client Name: Antea

Project # 40234744

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Pace Lab #	Glass						Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)					
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU								SP5T	ZPLC	GN		
001																																			2.5 / 5 / 10
002																																			2.5 / 5 / 10
003																																			2.5 / 5 / 10
004																																			2.5 / 5 / 10
005																																			2.5 / 5 / 10
006																																			2.5 / 5 / 10
007																																			2.5 / 5 / 10
008																																			2.5 / 5 / 10
009																																			2.5 / 5 / 10
010																																			2.5 / 5 / 10
011																																			2.5 / 5 / 10
012																																			2.5 / 5 / 10
013																																			2.5 / 5 / 10
014																																			2.5 / 5 / 10
015																																			2.5 / 5 / 10
016																																			2.5 / 5 / 10
017																																			2.5 / 5 / 10
018																																			2.5 / 5 / 10
019																																			2.5 / 5 / 10
020																																			2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U 1 liter amber glass BG1U 1 liter clear glass AG1H 1 liter amber glass HCL AG4S 125 mL amber glass H2SO4 AG4U 120 mL amber glass unpres AG5U 100 mL amber glass unpres AG2S 500 mL amber glass H2SO4 BG3U 250 mL clear glass unpres	BP1U 1 liter plastic unpres BP3U 250 mL plastic unpres BP3B 250 mL plastic NaOH BP3N 250 mL plastic HNO3 BP3S 250 mL plastic H2SO4	VG9A 40 mL clear ascorbic DG9T 40 mL amber Na Thio VG9U 40 mL clear vial unpres VG9H 40 mL clear vial HCL VG9M 40 mL clear vial MeOH VG9D 40 mL clear vial DI	JGFU 4 oz amber jar unpres JG9U 9 oz amber jar unpres WGFU 4 oz clear jar unpres WPFU 4 oz plastic jar unpres SP5T 120 mL plastic Na Thiosulfate ZPLC ziploc bag GN
--	---	--	--

Sample Preservation Receipt Form

Client Name: AnAeg

Project #: 40234744

Pace Lab #	Glass								Plastic					Vials					Jars				General			VOA Vials (>6mm) *	H2SO4 pH s2	NaOH+Zn Act pH z9	NaOH pH z12	HNO3 pH s2	pH after adjusted	Volume (mL)								
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JG9U	JG9U	WG9U	WPFU	SP5T	ZPLC								GN							
021																	5																							2.5 / 5 / 10
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Handwritten note: 2/20/24



Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: _____

Client Name: Alegra

WO#: 40234744

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____



Tracking #: 284597034

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 110 Type of Ice: Wet Blue Dry None

Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0 /Corr: 0

Person examining contents:
Date: 10/11/21 Initials: CDH
Labeled By Initials: MP

Temp Blank Present: yes no

Biological Tissue is Frozen: yes no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No - VOA Samples frozen upon receipt <input type="checkbox"/> Yes <input type="checkbox"/> No	5. Date/Time:
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No -Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A -Pace IR Containers Used: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9.
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A -Includes date/time/ID/Analysis Matrix: <u>W</u>	12. <u>009 10 MW RP - 1DR</u> <u>CDH 10/8/21</u>
Trip Blank Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

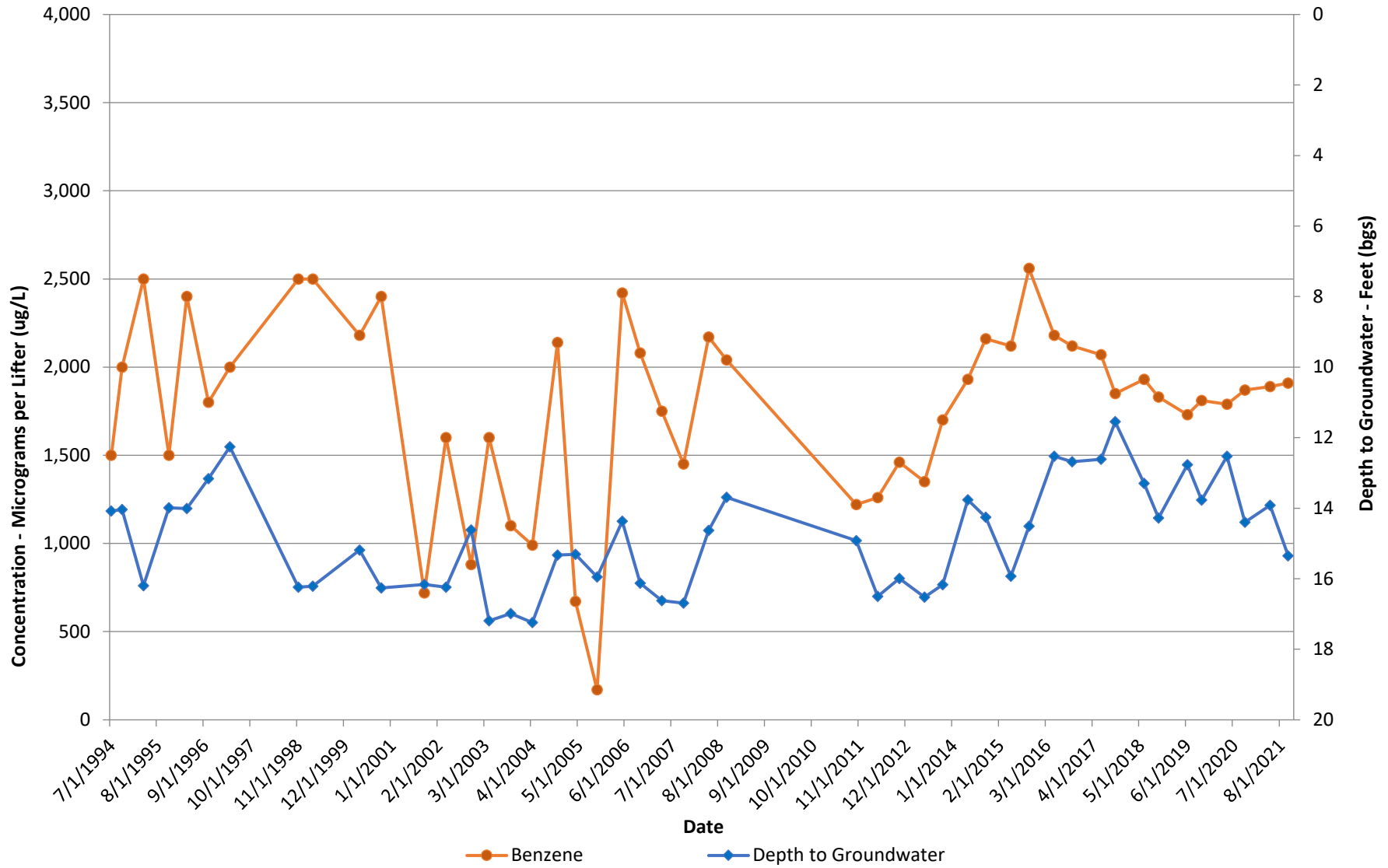
Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: Layne Kortbein Date/Time: 10/11/21
 Comments/ Resolution: -009 Correct ID is MWRR-1DR per client, 10/11/21 CDH

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

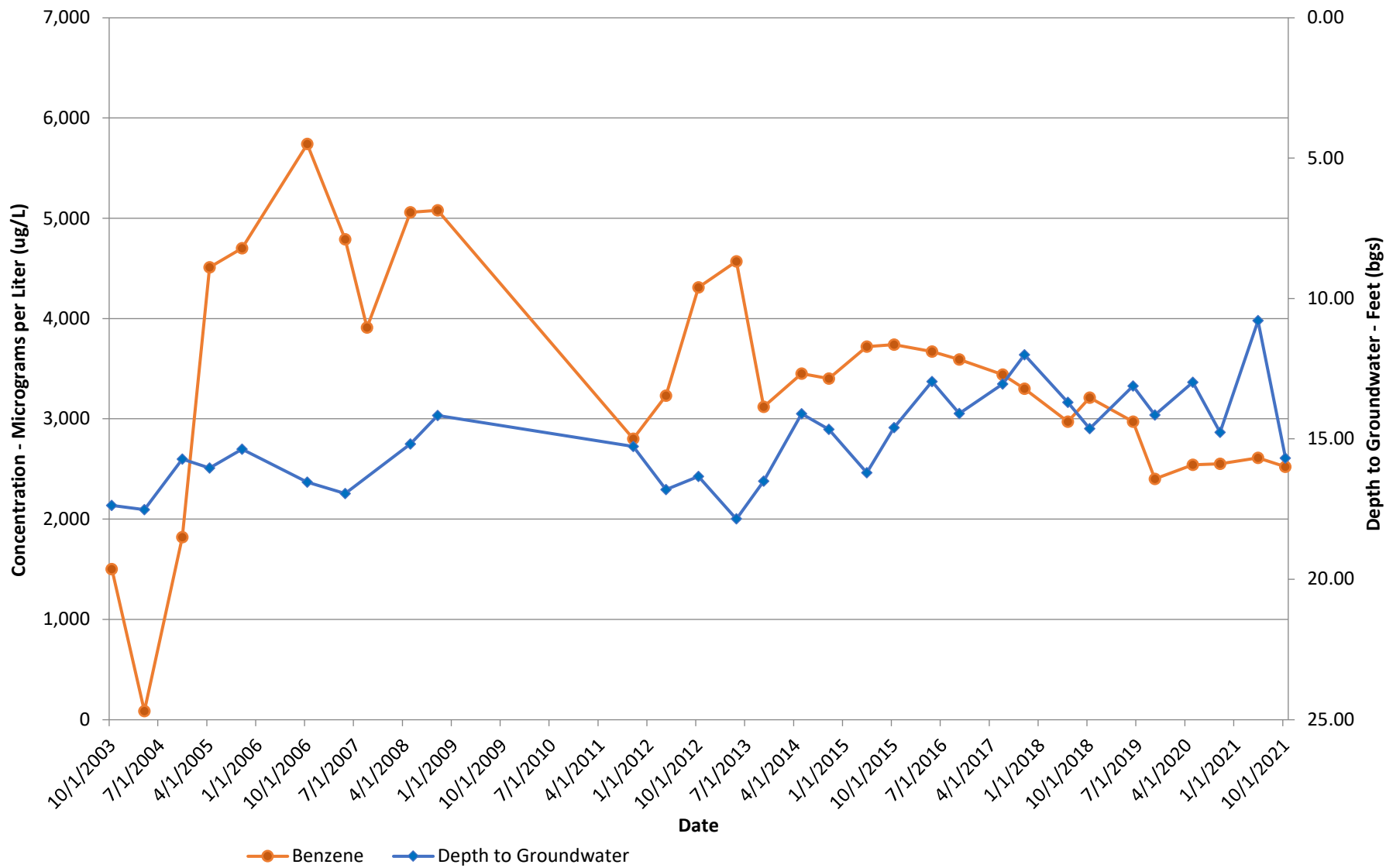
Appendix B – Select Dissolved Phase Benzene Hydrographs

MW-30D Benzene/Groundwater Hydrograph

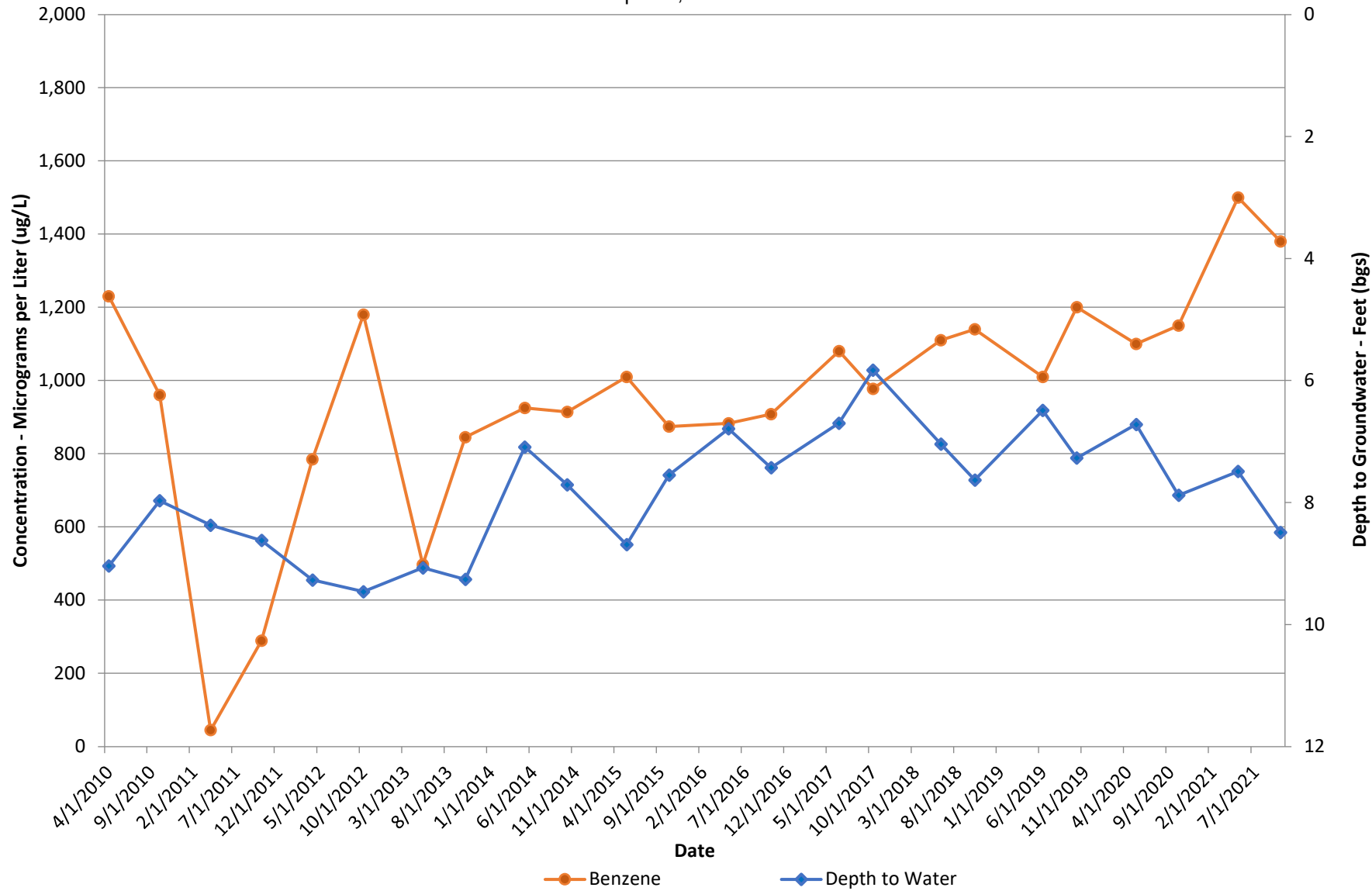
Former Amoco Terminal
Superior, Wisconsin



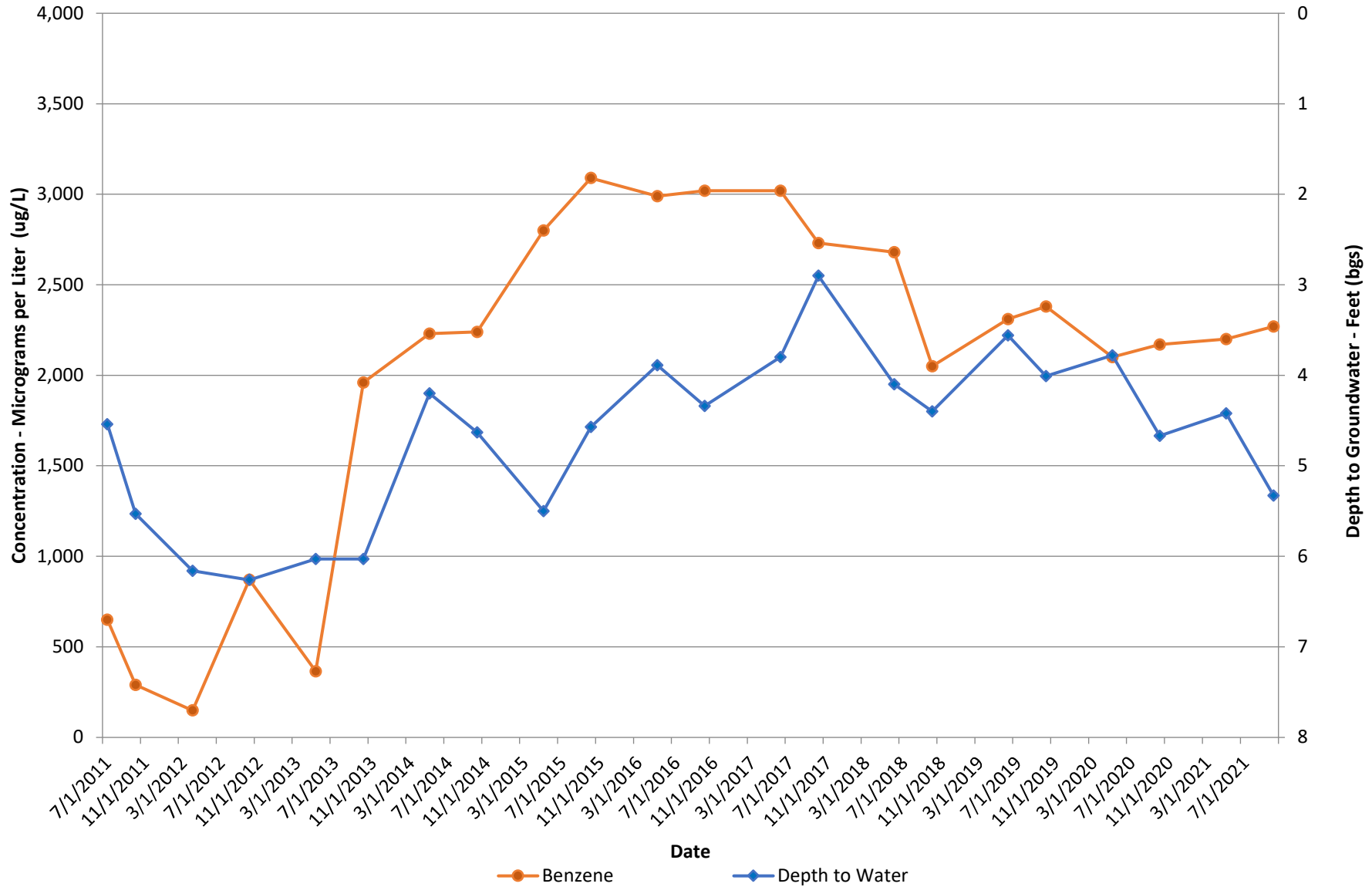
MWT-2D
Benzene/Groundwater Hydrograph
Former Amoco Terminal
Superior, Wisconsin



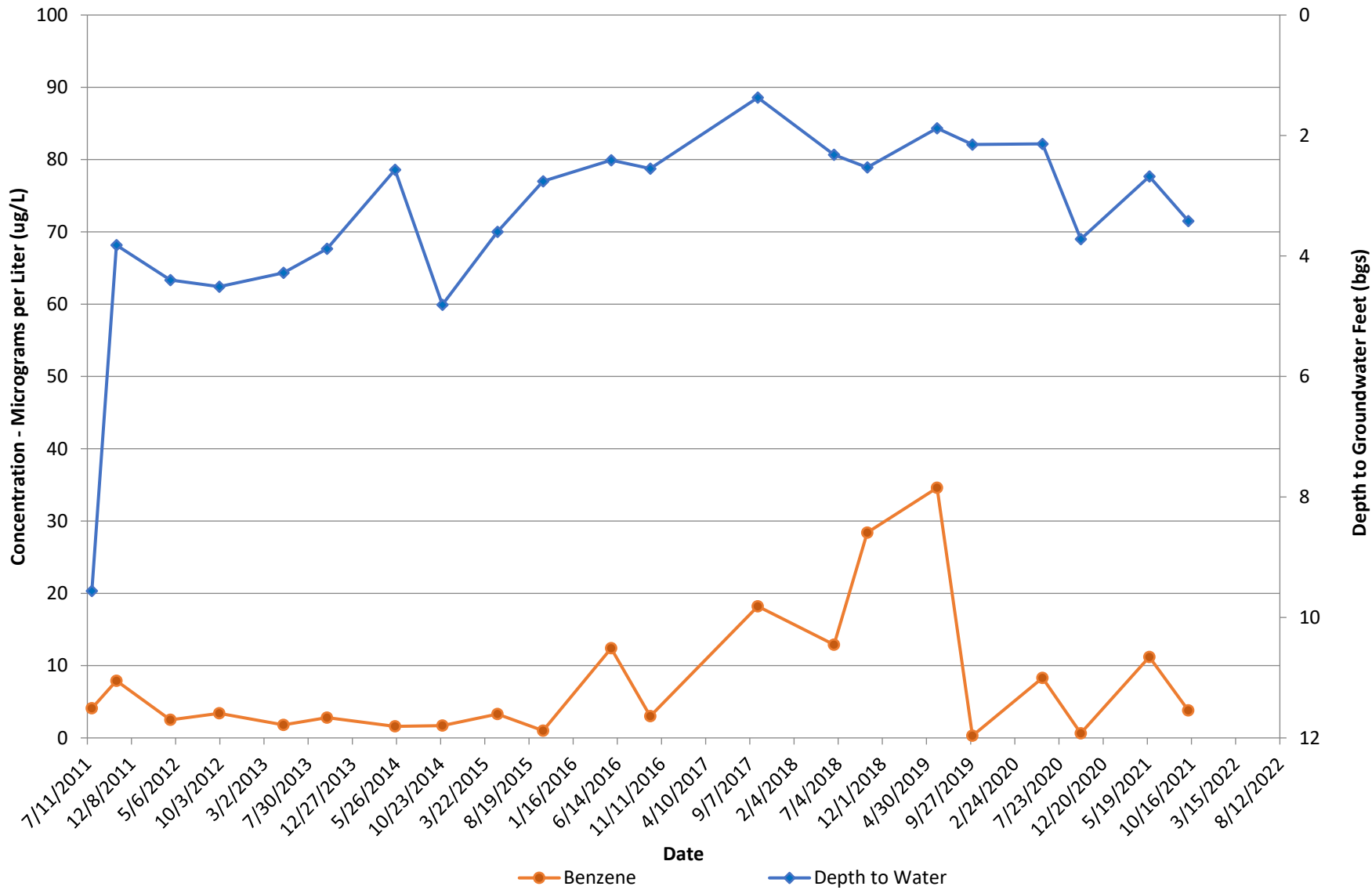
MWM-10D
Benzene/Groundwater Hydrograph
 Former Amoco Terminal
 Superior, Wisconsin



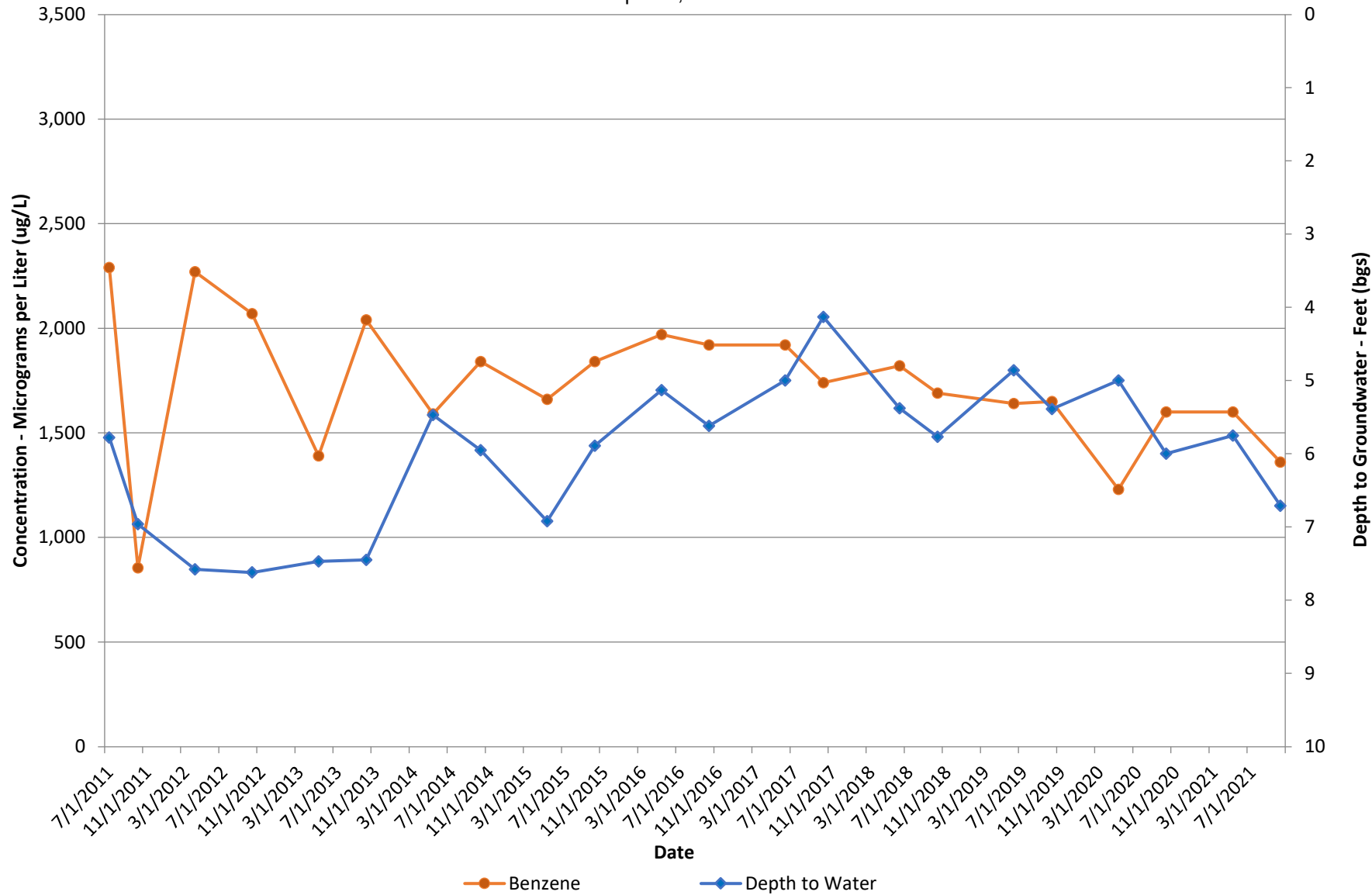
MW-37D
Benzene/Groundwater Hydrograph
 Former Amoco Terminal
 Superior, Wisconsin



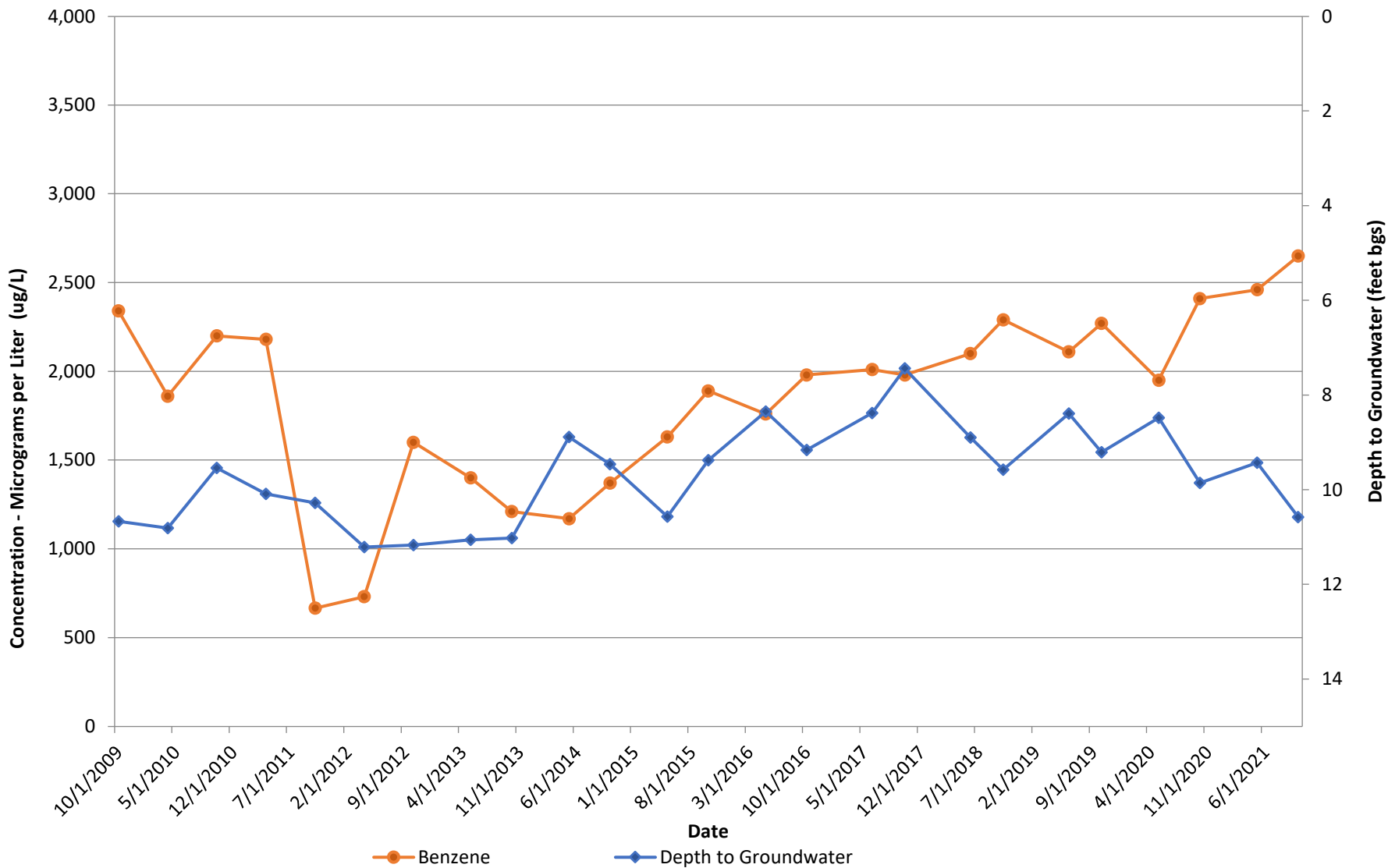
MW-41D
Benzene/Groundwater Hydrograph
 Former Amoco Terminal
 Superior, Wisconsin



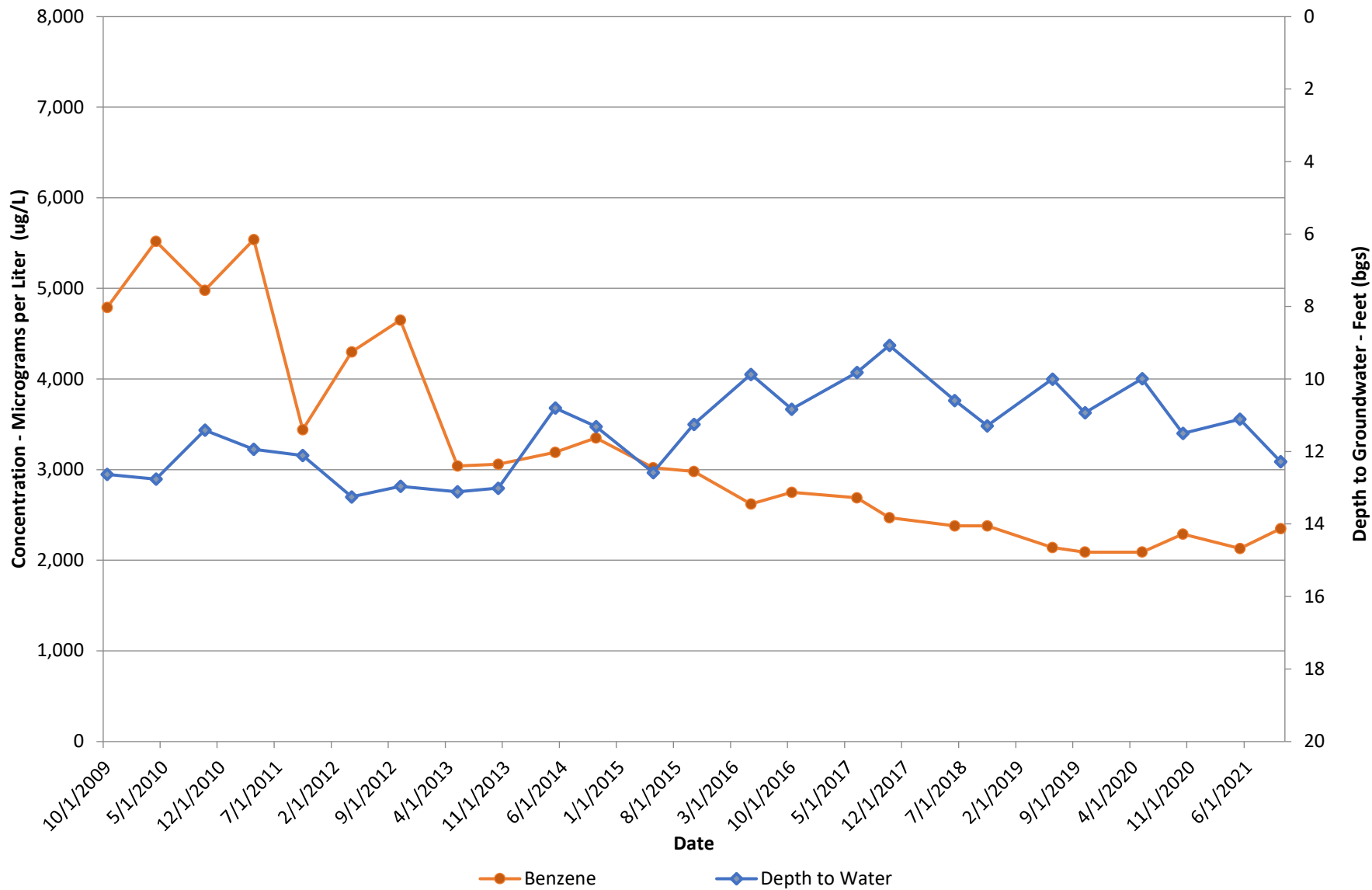
MW-36D
Benzene/Groundwater Hydrograph
 Former Amoco Terminal
 Superior, Wisconsin



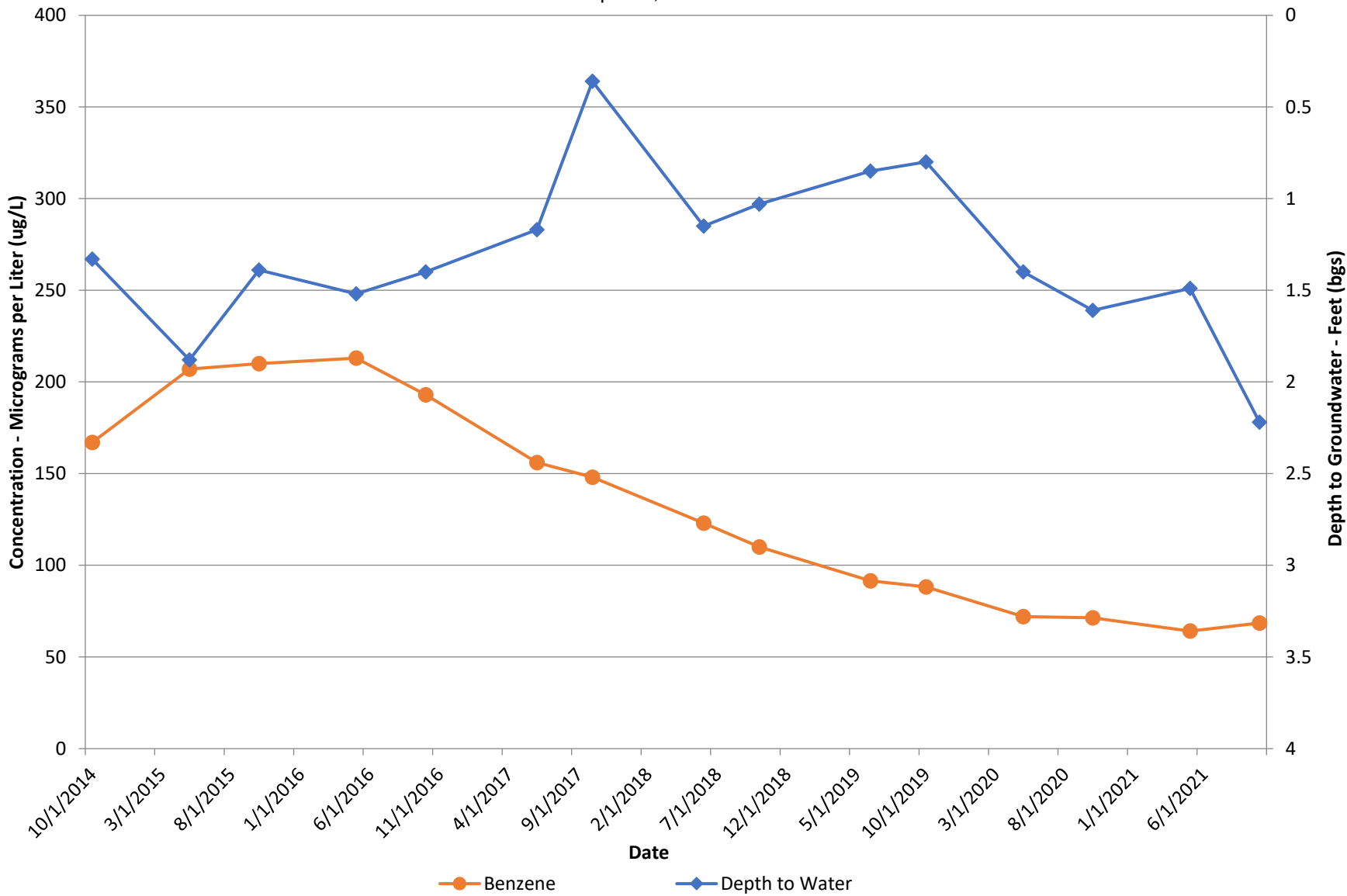
MWM-7D
Benzene/Groundwater Hydrograph
 Former Amoco Terminal
 Superior, Wisconsin



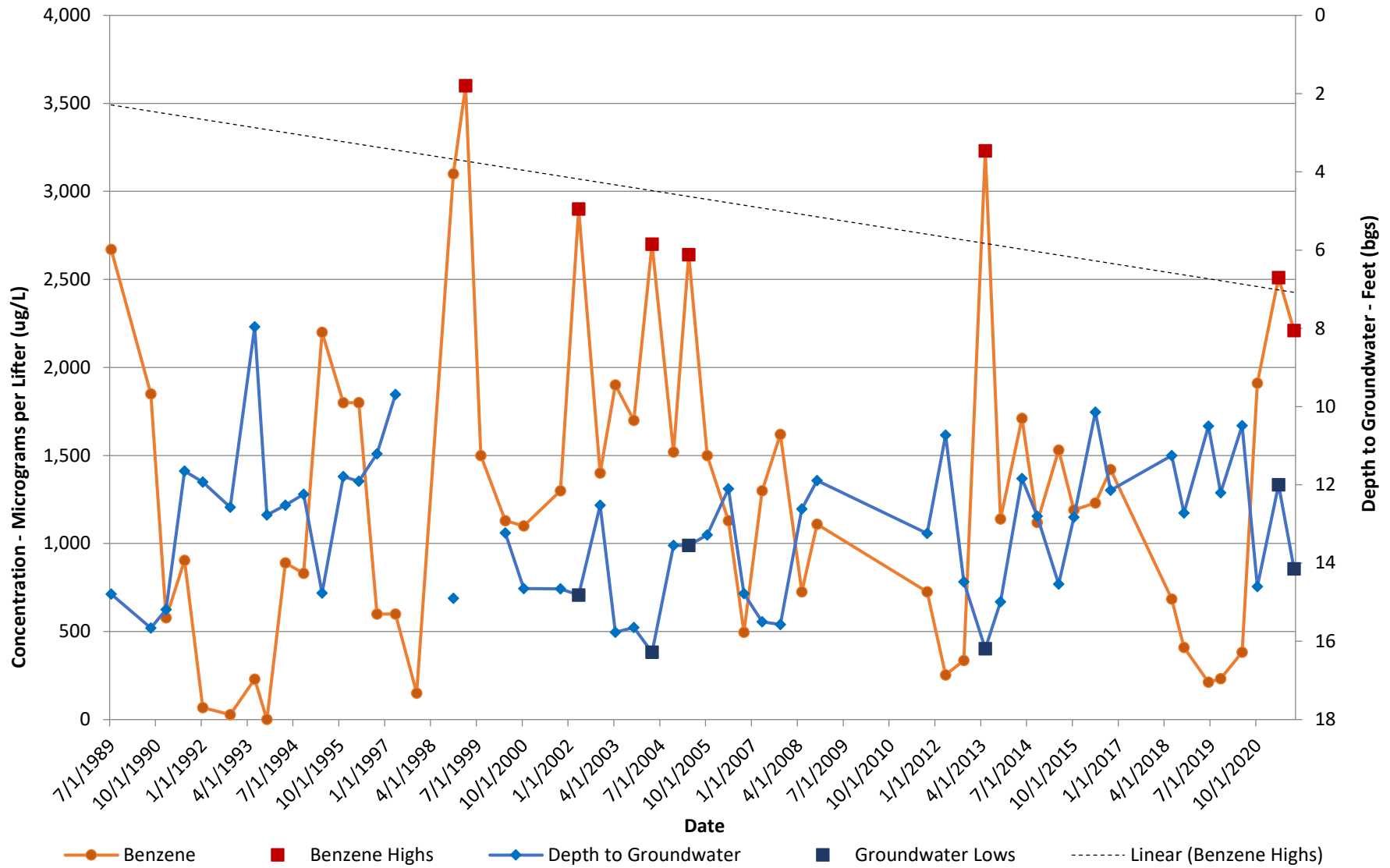
MWM-9RD
Benzene/Groundwater Hydrograph
 Former Amoco Terminal
 Superior, Wisconsin



MWBD-1D
Benzene/Groundwater Hydrograph
Former Amoco Terminal
Superior, Wisconsin



MW-30S
Benzene/Groundwater Hydrograph
 Former Amoco Terminal
 Superior, Wisconsin



Appendix C – WDNR Operation, Maintenance, Monitoring, and Optimization Form (Form 4400-194)

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM: Completion of this form is required under s. NR 724.13(3), Wis. Adm. Code. A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Failure to submit this form as required is a violation of s. NR 724.13(3), Wis. Adm. Code, and is subject to the penalties in s. 292.99, Wis. Stats. This form must be submitted every six months for soil or groundwater remediation projects that report operation and maintenance progress in accordance with s. NR 724.13(3), Wis. Adm. Code.

Note: Long-term monitoring results submitted in accordance with s. NR 724.17(3), Wis. Adm. Code are required to be submitted within 10 business days of receiving sampling results and are not required to be submitted using this form. However, portions of this form require monitoring data summary information that may be based on information previously submitted in accordance with s. NR 724.17(3), Wis. Adm. Code.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if this form is required to be submitted at sites responded to under the Federal Comprehensive Environmental Response and Compensation Act (commonly known as Superfund) or an equivalent State lead Superfund response.

Note: Responsible parties should check with the State Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and obtain prior written approval for any omissions or changes.

Submittal of this form is not a substitute for reporting required by Department programs such as Waste Water or Air Management. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by the Bureau for Remediation and Redevelopment.

Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Open Records Law (ss. 19.31-19.39, Wis. Stats.). Unless otherwise noted, all citations refer to Wisconsin Administrative Code.

Note: There is a separate semi-annual report required under s. NR 700.11(1), Wis. Adm. Code. Reporting under that provision is through an internet-based form:

<http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf>

Section GI - General Site Information

A. General Information

1. Site name

Former Amoco Terminal

2. Reporting period from: 01/01/2021 To: 12/31/2021 Days in period: 365

3. Regulatory agency (enter DNR, DATCP and/or other) 4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
 WDNR 02-16-117873

5. Site location

Region	County	Address				
Northern Region	Douglas	2904 Winter Street, Superior, WI				
Municipality name	<input type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village	Township	Range	<input type="radio"/> E <input checked="" type="radio"/> W	Section	¼ NE ¼ SE
Superior		49 N	14		16	

6. Responsible party	7. Consultant
Name	<input type="checkbox"/> Select if the following information has changed since the last submittal
Antea Group, Project Manager Jonathan Zimdars	
Mailing address	Company name
5910 Rice Creek Pkwy, Suite 100, Shoreview, MN 55126	Antea Group
Phone number	Mailing address
(651) 639-9449	same
	Phone number
	(651) 639-9449

8. Contaminants
 Gasoline Compounds

9. Soil types (USCS or USDA)
 CL/ML/SC

10. Hydraulic conductivity(cm/sec): 2x10^-4 (cm/s)
 11. Average linear velocity of groundwater (ft/yr) 0.44 to 4.67 ft/yr

12. If soil is treated ex situ, is the treatment location off site? Yes No

If yes, give location: Region	County
Wisconsin <input type="radio"/>	Kenosha <input type="radio"/>

Municipality name	City	Town	Village	Township	Range	E	Section	¼	¼ ¼
Emco-Waste Service Division				N		W			

Site name: Former Amoco Terminal

Reporting period from: 01/01/2021 To: 12/31/2021

Days in period: 365

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 2 of 28

B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- Groundwater extraction (submit a completed Section GW-1).
- Free product recovery (submit a completed Section GW-1).
- In situ air sparging (submit a completed Section GW-2).
- Groundwater natural attenuation (submit a completed Section GW-3).
- Other groundwater remediation method (submit a completed Section GW-4).
- Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- Soil natural attenuation (submit a completed Section IS-2).
- Other in situ soil remediation method (submit a completed Section IS-3).
- Biopiles (submit a completed Section ES-1).
- Landspreading/thinspreading of petroleum contaminated soil (submit a completed Section ES-2).
- Other ex situ remediation method (submit a completed Section ES-3).
- Site is a landfill (submit a completed Section LF-1).

C. General Effectiveness Evaluation for All Active Systems

If the remediation is active (not natural attenuation), complete this subsection.

1. Is the system operating at design rates and specifications? Yes No

If the answer is no, explain whether or not modifications are necessary to achieve the goal that was previously established in design.

2. Are modifications to the system warranted to improve effectiveness Yes No

If yes, explain:

3. Is natural attenuation an effective low cost option at this time? Yes No

4. Is closure sampling warranted at this time? Yes No

5. Are there any modifications that can be made to the remediation to improve cost effectiveness? Yes No

If yes, explain:

D. Economic and Cost Data to Date

1. Total investigation cost: _____
2. Implementation costs (design, capital and installation costs, excluding investigation costs): _____
3. Total costs during the previous reporting period: _____
4. Total costs during this reporting period: _____
5. Total anticipated costs for the next reporting period: _____
6. Are any unusual or one-time costs listed in the reporting periods covered by D.3., D.4. or D.5. above? Yes No
If yes, explain:

7. If closure is anticipated within 12 months, estimated costs for project closeout: _____

Site name: Former Amoco Terminal

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Reporting period from: 01/01/2021 To: 12/31/2021

Form 4400-194 (R 11/14)

Page 3 of 28

Days in period: 365

E. Name(s), Signature(s) and Date of Person(s) Submitting Form

Legibly print name, date and sign. Only persons qualified to submit reports under ch. NR 712 Wis. Adm. Code are to sign this form for sites with any ongoing active remediation, monitoring or an investigation. Other persons may sign this form for sites with no response activities during the six month reporting period.


Registered Professional Engineers:

I hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

Hydrogeologists:

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Wayne Hutchinson	Senior Hydrogeologist
Signature	Date
	2021-12-17

Scientists:

I hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Print name	Title
Signature	Date

Other Persons:

Print name	Title
Signature	Date

Professional Seal(s), if applicable:



Site name: Former Amoco Terminal

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Reporting period from: 01/01/2021 To: 12/31/2021

Form 4400-194 (R 11/14)

Page 4 of 28

Days in period: 365

Section GW-1, Groundwater Pump and Treat Systems and Free Product Recovery Systems

A. Groundwater Extraction System Operation:

1. Total number of groundwater extraction wells or trenches available: _____ and the number in use during period: _____
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): _____

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:

4. Quantity of groundwater extracted during this time period: _____ gallons

5. Average groundwater extraction rate: _____ gpm

6. Quantity of dissolved phase contaminants removed during this time period in pounds:

B. Free Product Recovery System Operation

1. Is free product (nonaqueous phase liquid) being recovered at this site? Yes No

If yes, explain:

Five passive skimmer pumps in the Barge Dock Phase II Skimming system recovering LNAPL from April 28 through October 28, one passive skimmer pump operated in MRW-3 from April 28 through October 28, 2021, and one passive skimmer pump operated in LRMW-7 from April 28 through May 27, 2021.

2. Quantity of free product extracted during this time period (enter none if none): 1,187.9 gallons

3. Average free product extraction rate: 0.01 gpm

C. System Effectiveness Evaluation

1. Is a contaminated groundwater plume fully contained in the capture zone? Yes No

If no, explain:

No, current remediation strategy is to recover free product.

2. If free product is present, is the free product fully contained in capture zone? Yes No

If no, explain:

Free product is immobile and Phase II system recovery trends show decreasing recovery rates.

3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain:

Insufficient LNAPL thickness for select wells on site. Focus was to recover product at wells with an optimal LNAPL thickness for sufficient product recovery.

4. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in C.4.a.

a. Contaminant: FREE PRODUCT

b. Percent reduction necessary to reach ch. NR 140 ES and PAL: _____ %

c. Maximum contaminant concentration level in any monitoring well of that contaminant: _____ µg/L

d. Maximum contaminant concentration level in any extraction well of that contaminant: _____ µg/L

Site name: Former Amoco Terminal

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Reporting period from: 01/01/2021 To: 12/31/2021

Form 4400-194 (R 11/14)

Page 5 of 28

Days in period: 365

- e. If the maximum concentration in a monitoring well is more than one order of magnitude above the concentration measured in an extraction well, explain why the extracted groundwater contamination levels are significantly less than the levels at other locations within the aquifer.

D. Additional Attachments

Attach the following to this form:

- Most recent report to the DNR Wastewater Program, if applicable.
- Groundwater contour map with capture zone indicated.
- Groundwater contaminant distribution map (may be combined with contour map).
- Graph of cumulative contaminant removal, if both free product recovery and ground water extraction are used, provide separate graphs.
- Time versus groundwater contaminant concentration graphs for the contaminant listed in C.4.a. (above), as follows:
 - Graph of contaminant concentrations versus time for each extraction well in use during the period.
 - Graph of contaminant concentrations versus time for the monitoring well with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

Site name: Former Amoco Terminal

Reporting period from: 01/01/2021 To: 12/31/2021

Days in period: 365

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 6 of 28

Section GW-2, In Situ Air Sparging Systems

A. In Situ Air Sparging System Operation

1. Number of air injection wells at the site and the number actually in use during the period: _____
2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): _____
3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain: _____

B. System Effectiveness Evaluation

1. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in B.1.a.
 - a. Contaminant: _____
 - b. Percent reduction necessary to reach ch. NR 140 ES and PAL: _____ %
 - c. Maximum contaminant concentration level in any monitoring well: _____ µg/L
2. Is there any evidence that air is short circuiting through natural or man-made pathways? Yes No
If yes, explain: _____
3. Is the size of the plume: Increasing Stabalized Decreasing ?
If increasing, explain: _____

C. Additional Attachments

Attach the following to this form:

- Groundwater contour map.
- Groundwater contaminant distribution map (may be combined with contour map).
- When contaminants are aerobically biodegradable, attach a dissolved oxygen in groundwater map (dissolved oxygen may be combined with the contaminant data on a single map).
- Site map with all air injection wells and groundwater monitoring points.
- Graph of contaminant concentrations versus time for the contaminant listed in B.1.a. (above) for the monitoring point with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- System operational data table.

Site name: Former Amoco Terminal

Reporting period from: 01/01/2021

To: 12/31/2021

Days in period: 365

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 7 of 28

1. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in A.1.a

a. Contaminant: _____

b. Percent reduction necessary to reach ch. NR 140 ES and PAL: _____ %

c. Maximum contaminant concentration level in any monitoring well of that contaminant: _____ $\mu\text{g/L}$

2. Aquifer parameters:

a. Hydraulic conductivity: _____ cm/sec

b. Groundwater average linear velocity: _____ ft/yr

3. Is there a downgradient monitoring well that meets ch. NR 140 standards? Yes No

4. Based on water chemistry results, is the plume: Expanding Stabalized Contracting ?

5. If the answer in 4. (above) is "expanding," is natural attenuation still the best option? Yes No

If yes, explain:

6. Biodegradation parameters:

a. Upgradient (or other site specific background) DO level: _____ $\mu\text{g/L}$

b. DO levels in the part of the plume that is most heavily contaminated _____ $\mu\text{g/L}$

7. Is site closure a viable option within 12 months from the date of this form? Yes No

8. Are there any modifications that can improve cost effectiveness? Yes No

If yes, explain:

9. Have groundwater table fluctuations changed the contaminant level trends over time? Yes No

If yes, explain:

10. Has the direction of groundwater flow changed during the reporting period? Yes No

If yes, approximate change in degrees: _____

B. Additional Attachments

Attach the following:

- Groundwater contour map.
- Groundwater contaminant distribution map (may be combined with contour map).
- When contaminants are aerobically biodegradable, attach a dissolved oxygen in groundwater map (dissolved oxygen may be combined with the contaminant data on a single map).
- Graph of contaminant concentrations versus time for the contaminant listed in A.1.a. (above) for the monitoring point with the greatest level of contamination.
Note: This is the minimum required graph; however, it is recommended that multiple time versus contamination concentration graphs as described in the instructions on page 24 for Natural Attenuation of Groundwater be submitted.
- Graph of contaminant concentrations versus distance.
- Groundwater contaminant chemistry table.
- Groundwater biological parameters.
- Groundwater elevations table.

Site name: Former Amoco Terminal

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Reporting period from: 01/01/2021

To: 12/31/2021

Form 4400-194 (R 11/14)

Page 8 of 28

Days in period: 365

1. If free product is not present, determine the single contaminant that requires the greatest percent reduction to achieve ch. NR 140 ES and PAL. Perform this calculation for all contaminants that were present at the site that have ch. NR 140 standards. Use the highest contaminant concentration measured in any sampling points during reporting period. If free product is present, write "FREE PRODUCT" in A.1.a.

a. Contaminant: _____

b. Percent reduction necessary: _____ %

c. Maximum contaminant concentration level in any monitoring well: _____ µg/L

2. Is the size of the plume: Increasing Stabalized Decreasing ?

3. Describe the method used to remediate groundwater at the site:

4. List any additional information required by the DNR for this method for this site:

B. Additional Attachments

Attach the following:

- Groundwater contour map.
- Groundwater contaminant distribution map (may be combined with contour map).
- When contaminants are aerobically biodegradable, attach a dissolved oxygen in groundwater map (dissolved oxygen may be combined with the contaminant data on a single map).
- Graph of contaminant concentrations versus time for the contaminant listed in A.1.a. (above) for the monitoring point with the greatest level of contamination.
- Groundwater contaminant chemistry table.
- Groundwater elevations table.
- Any other attachments required by the DNR for this remediation method.

Site name: Former Amoco Terminal

Reporting period from: 01/01/2021

To: 12/31/2021

Days in period: 365

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 9 of 28

A. Soil Venting Operation

Note: This form is not required for building vapor mitigation systems that are installed proactively to protect building occupants/users and are not considered part of ongoing active soil remediation.

1. Number of air extraction wells available and number of wells actually in use during the period: _____

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): _____

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain: _____

4. Average depth to groundwater: _____ gpm

B. Building Basement/Subslab Venting System Operation

1. Number of venting points available and number of points actually in use during the period: _____

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain): _____

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain: _____

C. Effectiveness Evaluation

1. Average contaminant removal rate for the entire system: _____ pounds per day

2. Average contaminant removal rate per well or venting point: _____ pounds per day

3. If the average contaminant removal rate is less than one pound per day for the entire system, or if the average contaminant removal rate per well is less than one tenth of a pound per day, evaluate the following:

a. If contaminants are aerobically biodegradable and confirmation borings have not been drilled in the past year:

i. Oxygen levels in extracted air: _____ percent

ii. Methane levels in extracted air (ppmv) If over 10 ppmv, explain: _____

iii. If methane is not present above 10 ppmv and if oxygen is greater than 20 percent in extracted air, you should either:

- Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
- Or, perform an in situ respirometry test in a zone of high contamination. Do not perform the test in an air extraction well, use a gas probe or water table well. If a zero order rate of decay based on oxygen depletion is less than 2 mg/kg per day, then you should drill confirmation borings, if the entire site should be considered for closure. If the rate of decay is between 2 and 10 mg/kg, operate for one more reporting period before evaluating further. If the zero order rate of decay is greater than 10 mg/kg total hydrocarbons, continue operating the system in a manner than maximizes aerobic biodegradation.

b. If contaminants are not aerobically biodegradable and confirmation borings have not been recently drilled during the past year, you should drill confirmation borings during the next reporting period if the entire site should be considered for closure.

c. If soil borings were drilled during the past year and soil contamination remains above acceptable levels, explain if the system effectiveness can be increased and/or if other options need to be considered to achieve cleanup criteria.

D. Additional Attachments

Attach the following to this form:

- Well and soil sample location map indicating all air extraction wells. If forced air injection wells are also in use, identify those wells.
- If water table monitoring wells are present at the site, a map of well locations.
- Time versus vapor phase contaminant concentration graph.
- Time versus cumulative contaminant removal graph.
- Groundwater elevations table, if water table wells are present at the site; also list screen lengths and elevations.
- Table of soil contaminant chemistry data.
- Soil gas data, if gas probes are used to monitor subsurface conditions in locations other than where air is extracted.
- System operational data table.

Site name: Former Amoco Terminal

Reporting period from: 01/01/2021

To: 12/31/2021

Days in period: 365

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 10 of

1. Soil gas information in the soil that is most contaminated from a permanently installed gas probe(s) or water table monitoring well(s).
 - a. Hydrocarbon levels: _____ ppm, with an FID
 - b. Oxygen levels: _____ percent
 - c. Carbon dioxide levels(specify ppm or percent): _____
 - d. Methane levels: _____ ppm
2. Soil gas information in background (uncontaminated soil) from permanently installed gas probe(s) or water table monitoring well(s):
 - a. Hydrocarbon levels: _____ ppm, with an FID
 - b. Oxygen levels: _____ percent
 - c. Carbon dioxide levels(specify ppm or percent): _____
 - d. Methane levels: _____ ppm
3. List the results of the single boring that had the highest levels of soil contamination during the last round of soil sampling, and the date those samples were collected. Since soil borings are only drilled periodically, list the most recent data even if the data is prior to this reporting period. Since this data is used to assess progress based on the most recent soil sampling event, do not list data from prior sampling events.
 - a. Total hydrocarbons (Specify if GRO and/or DRO): _____ $\mu\text{g}/\text{kg}$
 - b. Specific compounds ($\mu\text{g}/\text{kg}$):
 - i. Benzene: _____ $\mu\text{g}/\text{kg}$
 - ii. 1,2 Dichloroethane: _____ $\mu\text{g}/\text{kg}$
 - iii. Ethylbenzene: _____ $\mu\text{g}/\text{kg}$
 - iv. Toluene: _____ $\mu\text{g}/\text{kg}$
 - v. Total xylenes: _____ $\mu\text{g}/\text{kg}$
4. Is there any evidence that contaminants are leaching into groundwater? Yes No
If the answer is yes and if groundwater quality is not being monitored, explain:
5. Is site closure a viable option within 12 months from the date of this form? Yes No
6. Are there any modifications that can be made to the remediation to improve cost effectiveness? Yes No
If yes, explain:

B. Additional Attachments

Attach the following to this form:

- Well and soil sample location map.
- Cross sections showing the water table, soil sampling locations, screened intervals for gas probes or water table wells, geologic contacts, and any former excavation boundaries.
- Graphs of contaminant concentrations, oxygen, carbon dioxide and methane levels over time.
- Groundwater elevations table, if water table wells are present at the site.
- Table of soil contaminant chemistry.
- Table of soil gas readings.

Site name: Former Amoco Terminal

Reporting period from: 01/01/2021 To: 12/31/2021

Days in period: 365

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 11 of

1. Describe the method used to remediate soil at the site:

2. List all information required by the DNR for this remediation method for this site:

B. Additional Attachments

Attach the following to this form:

- Any other attachments required by the DNR for this remediation method.

Site name: Former Amoco Terminal

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Reporting period from: 01/01/2021

To: 12/31/2021

Days in period: 365

Form 4400-194 (R 11/14)

Page 12 of

Section ES-1, Ex Situ Soil Treatment Using Biopiles

A. Effectiveness Evaluation

1. Volume of soil in the biopile (if multiple biopiles, list number of piles and total volume):

2. Monitoring used to assess progress and verify optimal conditions for biodegradation.

a. Vapor phase measurements of gases (average of all readings from most recent sampling event):

i. VOCs by FID: _____ ppm

ii. Oxygen: _____ percent

iii. Carbon dioxide: _____ percent

iv. Methane: _____ ppm

b. Soil temperature: _____ °F

c. Soil moisture sensors, if used: _____ percent

3. Treatment amendments added to the soil during construction:

a. Artificial nutrients, excluding manure.

i. Types and total pounds added:

ii. Nitrogen and phosphorous content of the added amendment: _____ percent

b. Manure: _____ total pounds

c. Natural organic materials (straw, wood chips, etc.)(type and total pounds):

4. Forced air biopiles only answer the following:

a. Total air flow rate of the ventilation system: _____ scfm

b. Average contaminant removal rate: _____ pounds per day

c. Average biodegradation rate based on oxygen utilization: _____ pounds per day

5. If soil samples have been taken to monitor progress, list results. Only list the most recent results. If none collected enter NA.

a. Total hydrocarbons. Specify if GRO and/or DRO: _____ µg/kg

b. Specific compounds (µg/kg):

i. Benzene: _____ µg/kg

ii. 1,2 Dichloroethane: _____ µg/kg

iii. Ethylbenzene: _____ µg/kg

iv. Toluene: _____ µg/kg

v. Total xylenes: _____ µg/kg

B. Additional Attachments

Attach the following to this form:

- Figure showing the construction details of the biopile and any sampling locations within the biopile.
- Table of soil contaminant chemistry data.
- Table of operational data.

Site name: Former Amoco Terminal

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Reporting period from: 01/01/2021

To: 12/31/2021

Form 4400-194 (R 11/14)

Page 13 of

Days in period: 365

Section ES-2, Ex Situ Soil Treatment Using Landspreading/Thinspreading

A. Effectiveness Evaluation

1. Method used: landspreading thinspreading

Note: For purposes of this form, "landspreading" is the placement of contaminated soil on native topsoil, incorporation of that soil into the native soil and planting crops or other plants on it. The term "thinspreading" refers to placing contaminated soil on an impervious base for aeration.

2. Was any progress monitoring using field screening on soil conducted during this reporting period? Yes No

3. If the answer to A.2. (above) is yes:

i. List monitoring method:

ii. List monitoring results:

4. Is there any evidence of soil erosion at the landspreading/thinspreading location? Yes No

5. Spreading thickness: _____ inches

6. Type of crop planted (if thinspreading with no crop planted, so state):

7. Confirmation sampling date: _____ Anticipated confirmation sampling date: _____

8. Most recent soil sample results, if soil samples for laboratory analysis have been collected to monitor progress. Only list the highest result of the most recent sampling round. If no samples have been collected, enter NA.

a. Total hydrocarbons. Specify if GRO and/or DRO: _____ $\mu\text{g}/\text{kg}$

b. Specific compounds ($\mu\text{g}/\text{kg}$):

i. Benzene: _____ $\mu\text{g}/\text{kg}$

ii. 1,2 Dichloroethane: _____ $\mu\text{g}/\text{kg}$

iii. Ethylbenzene: _____ $\mu\text{g}/\text{kg}$

iv. Toluene: _____ $\mu\text{g}/\text{kg}$

v. Total xylenes: _____ $\mu\text{g}/\text{kg}$

B. Additional Attachments

Attach the following to this form:

- Map of the landspreading/thinspreading area. If soil samples have been collected, specify locations of samples and dates of sampling.
- Table of soil contaminant chemistry data.
- Table of any field screening results with dates of sample collection.

Site name: Former Amoco Terminal

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Reporting period from: 01/01/2021

To: 12/31/2021

Form 4400-194 (R 11/14)

Page 14 of

Section ES-3, Landfills

Note: Reporting forms or reporting requirements in a Department approved Operation and Maintenance Plan for a landfill may take the place of this form.

Specific Inspection Items	Potential Problem Areas	Status	Notes
Perimeter Security Fencing	Broken or missing wood slats, torn chain link fabric, barbed wire, other - list		
Entrance Gate and Locking Mechanism	Lockbroken/missing, mechanism inoperative.		
Monitoring Wells and Wellhead Covers	Signs of tampering, casing damaged, lock missing.		
Final Cover Vegetation	Bare spots, stressed vegetation, deep rooted vegetation.		
Final Cover Slope (explain below)	Gullies, lack of vegetation, subsidence, ponding.		
Evidence of Burrowing Animals	Damage to final cover, evidence of waste.		
Stormwater Drainage Channels	Gullies, erosion, debris, culvert blocked.		
Passive Landfill Gas Venting System	Damaged or blocked vent risers, stressed vegetation.		
Active Landfill Gas Extraction System	Damaged or blocked piping, cleanouts, other blower flare, knockouts, etc.		
Leachate Collection System	Pumps, connection piping, collection system piping, extraction wells, collection tanks, tanker truck loading system or sanitary sewer discharge piping.		
Access Road Cover Mowing; Tall Vegetation Removal	Ponding, rutting, erosion, cracked or damaged pavement. Mowing and tall vegetation removal done to specified vegetation.		

Summary of Deficiencies and/or Corrective Actions:

Site name: Former Amoco Terminal

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Reporting period from: 01/01/2021 To: 12/31/2021

Form 4400-194 (R 11/14)

Page 15 of

Days in period: 365

B. Additional Attachments

Attach the following to this form:

- Any photographs documenting problems and maintenance activities.
- Maps, drawings showing site features requiring maintenance.
- Records for leachate pumping/discharge/hauling.
- Records for active gas extraction volumes.

Section INS- 1, Section by Section Instructions and Information

Specific Section by Section Instructions for This Form. The site name and reporting period is listed on every page. Then if the pages are inadvertently separated, that information can be used to determine which pages form the report.

General Site Information

- A.1. List the name as it appears on the DNR tracking system. If the person filling out the form does not know what the name on the tracking system is, use the name that the DNR used in the most recent correspondence.
- A.2. The reporting period should be either from January 1 to June 30 or July 1 to December 31 for active systems. For passive systems, use a calendar year basis. If however the report covers a newly installed system, list the actual startup date instead of January 1 or July 1. For new passive systems, use the first date that monitoring data is available as the date of startup.
- A.3. Enter all regulatory agencies that regulate the site.
- A.4. This form is a DNR form. For that reason, list the DNR site number. If there are other agencies regulating the site, listing identification numbers for other agencies is also recommended, but not mandatory, unless specified by those other agencies.
- A.5. If the information listed for the site location is not sufficient information for a person to use to drive to a site (example: no street address in a rural area), also include a map that is sufficient for a person to use to drive to the site. A U.S. G.S. topographic map that shows the site location may be used.
- A.8. List the contaminants that have at one time exceeded the PALs or Table Values in ch. NR 720. If GRO and/or DRO exceed the ch. NR 720 standards, also list GRO and/or DRO. Do not list other contaminants that have never exceeded state standards at the site. If more room is necessary, write "SEE ATTACHED SHEETS" and list all contaminants on a separate sheet.
- A.9. List the predominant soil types that are contaminated. If there is both contaminated soil and groundwater at the site, list soil types both above and below the water table. If only some soil is contaminated, do not list the soil types that are uncontaminated. If the site soils meet soil cleanup criteria, but groundwater is contaminated, so state that. Specify if the USCS or USDA system is used for soil descriptions. This line specifies soil because the vast majority of contaminated sites do not have contaminated bedrock. If bedrock is contaminated, also list that bedrock type.
- A.10. If the groundwater meets ch. NR 140 standards, enter "NA - NO NR 140 EXCEEDANCES". Otherwise, list the estimated hydraulic conductivity and the method used to estimate it (bail-down tests, calculations based on grain size, pumping test, etc.) If the hydraulic conductivity has not been determined, state when the tests are to be conducted. When a number of test results are available, list the range of results and the geometric mean. If however some results have a low level of accuracy and some results have a high level of accuracy, you should only list the most accurate results. See the Section on aquifer testing in the *Guidance on Design, Installation and Operation of Ground Water Extraction and Product Recovery Systems* for more information.
- A.11. If the groundwater meets ch. NR 140 standards, enter "NA - NO NR 140 EXCEEDANCES". Otherwise, enter groundwater average linear velocity as a function of hydraulic conductivity, effective porosity and the groundwater gradient. You should use the geometric mean from A.11. (above) and the most representative value for the gradient at the site. Estimate the effective porosity based on soil types and geologic origin of the soil. If there are reasons to believe that the average liner velocity estimate is less than the actual rate at the site, so state that reason. Secondary porosity effects, flow through submerged utility trenches, widespread contaminant distribution in low permeability soils, etc., are reasons to assume that the actual migration rate is much greater than the predicted average linear velocity. In such cases, you should explain the reasoning for doubting the predicted average linear velocity.
- A.12. If the information listed for the soil treatment location is not sufficient information for a person to use to drive to a site, also include a map that is sufficient for a person to use to drive to the site. A U.S.G.S. topographic map or a plat map that shows the site location may be used.

- B. Check all methods used at a site. For example, if groundwater extraction, free product recovery and soil venting are used, check all three methods and submit the additional pages for those methods. If dual-phase or bioslurping are used, these methods extract both air and groundwater, check boxes for and attach additional pages for both soil venting and pump and treat.
- C. Remediation systems that use any form of enhancement are considered "active" and sites where there are no enhancements of any kind are considered "passive" forms of remediation. For purposes of these forms, natural attenuation (also called naturally occurring bioremediation) is "passive" and all other remediation methods are "active" methods.
- C.1. Design flow rates refers to flow rates such as gallons per minute extracted by a ground water extraction system, standard cubic feet per minute extracted by a soil venting system, standard cubic feet per minute injected by an in situ air sparging system, etc. If the actual flow rate is within 80 percent of the rate predicted in the design, consider that as meeting the design specification.
- D. The cost data in this section is used by DNR staff to evaluate whether or not the selected remedy is the most cost effective remedy and whether or not system modifications may be warranted to improve efficiency and/or cost effectiveness. Responsible parties and consultants are encouraged to submit cost information so that DNR staff may assist responsible parties and consultants accomplish environmental cleanups in the most cost effective manner.

Total costs for past costs are all costs to date. This information is for all costs that were incurred to investigate and/or remediate the site. These costs include but are not limited to: consulting labor and supplies, laboratory testing, transportation, equipment, etc. If the consultant does not pass all costs through the consulting firm, the consultant will need to contact their client for other non-consulting costs to determine total costs. Exceptions include costs for attorney fees, accounting, claim assistance in preparing claims to state reimbursement funds, or other indirect expenses that are not essential to remediating the site.

- D.2. The initial implementation costs are all costs that are incurred to start implementing a remedy at a site. Costs for the investigation however are excluded because those costs are incurred prior to remedy selection. Since costs for treatability and/or pilot testing are used to procure data for remedial design and are specific to different remediation methods, these costs should be included in implementation costs and not investigation costs. Startup or shakedown costs are also considered implementation costs and should not be considered operation and maintenance costs.
- D.3. Costs for implementation or investigation should not be repeated here or they will be double counted.
- D.4. Costs for implementation or investigation should not be repeated here or they will be double counted.
- D.5. Costs for implementation or investigation should not be repeated here or they will be double counted.
- D.6. Examples of one-time or unusual costs include the following:
 - o Replacing a burned out motor on a pump.
 - o Replacement of a well that was destroyed by a snowplow.
 - o Confirmation sampling to determine if the site meets closeout criteria. This type of cost is considered an unusual cost because this type of sampling is not conducted during most reporting periods.
- D.7. This estimate of costs is for all costs to close out a site minus the salvage value of any remediation equipment. Pertinent costs include items such as well abandonment, equipment removal from the site, consulting costs associated with these items, etc. Do not include any costs that will not be paid by a state reimbursement fund, such as repaving.

Section GW-1, Groundwater Extraction and Product Recovery

- A.1. List two numbers, the total number of extraction wells at the site and the number that were in actual use during the period. If all wells were in use, state that on the form.
- A.2. The number of days of operation are the number of days that the system was actually operated. If the system was shut down for reasons such as: repairs were necessary, piping froze, shut down to provide time for subsurface conditions to equilibrate before sampling, etc., do not list those days as being in operation.
- A.3. System utilization is a measure of the amount of time that the system operated relative to the amount of time that it could have operated.
- A.5. The average is for the entire site, not per well or trench. For purposes of determining the average ground water extraction rate, calculate the average based on the total volume of groundwater extracted divided by the time of the reporting period. For example, if the system operated at 10 gallons per minute for one month, the amount of water extracted would be approximately 432,000 gallons. If the reporting period was six months long, then the time period is approximately 260,000 minutes. Therefore, the average flow rate over six months is 432,000 divided by 260,000 minutes for an average flow rate of 1.67 gallons per minute (gpm).
- A.6. Calculate the total dissolved contaminants removed in pounds. If the estimate is a sum of BTEX and not based on a total hydrocarbon test (GRO and/or DRO), so state that on the form.
- B.3. The average should be based on the entire site over the entire reporting period. See instructions above for A.5. List the free product recovery rate as gallons per day (gpd), not gallons per minute (gpm).
- C.1. To answer this question, a thorough evaluation of water levels and chemical analyses in all monitoring points at the site is necessary.
- C.2. If the capture zone has not been determined mathematically, it will need to be determined to answer this question. See the *Guidance on Design, Installation and Operation of Ground Water Extraction and Product Recovery Systems* for and any recent update or errata sheets for more information on plume capture.
- C.4. When free product is present, line C.4.a. should state "FREE PRODUCT" and lines C.4.b. through C.4.d. are left blank. Otherwise, complete the following calculations.
There typically are several compounds at most contaminated sites that exceed the standards in ch. NR 140. The purpose of this question is to focus on the single contaminant that requires the most treatment to achieve groundwater quality standards on a percent reduction basis. For example, the most recent round of sampling at an example site demonstrated the highest levels of contaminants were 1,000 µg/L benzene and 1,000 µg/L toluene in the most heavily contaminated monitoring well. The ES and PAL for benzene is 5 µg/L and 0.5 µg/L (respectively) and for toluene the ES and PAL is 343 µg/L and 68.6 µg/L (ES and PAL data as of August 1995). Therefore the percent reduction to meet the ES and PAL for benzene is 99.5 and 99.95 percent and for toluene it is 65.7 and 93.14 percent. For that reason, the single contaminant that is most critical to reaching state groundwater standards is benzene. Therefore benzene is entered on line a. In this example, 99.5 and 99.95 percent is entered on line b. In this example, 1,000 µg/L is entered on line c. In this example, benzene is the driving factor, therefore enter the maximum benzene level in the single most heavily contaminated extraction well during the most recent sampling period on line d.
- D. See the generic discussion at the end of the instructions (below) for figures, graphs and tables, starting on page INS-2.

Section GW-2, In Situ Air Sparging

- B.1. See instructions for Section GW-1, Item C.4.
- C. See the generic discussion at the end of the instructions (below) for figures, graphs and tables, starting on page INS-2.

Section GW-3, Natural Attenuation in Groundwater

- A.1. See instructions for Section GW-1, Item C.4.
- A.2.a. List the estimated hydraulic conductivity that was listed on line A.11 in Section GI-1.
- A.2.b. List the groundwater average linear velocity that was listed on line A.12 in Section GI-1.
- A.3. Assess the monitoring well network to determine if there is a down gradient well that has not been impacted by the contaminants. Consider the possibility of a submerged (or diving) plume in that assessment. If all evidence indicates that the plume does not extend to the farthest "clean" downgradient well, indicate "YES" on the form. Otherwise indicate "NO" on the form. If there are not plans to install such a well, explain.
- A.4. Based on the contaminant distribution, evaluate whether or not the plume is expanding, stabilized, or contracting. When making this determination, consider the contaminant that requires the greatest percent reduction to achieve ch. NR 140 standards.
- A.5. If the plume is expanding and a justification is necessary, add additional sheets justifying why natural attenuation is still the appropriate remedy. If it is not, further describe in the explanation the plans to use a different remedy.
- A.6.a. Enter the upgradient dissolved oxygen (DO) level(s). If however there are contaminants measured in the upgradient well, it is not a true background measurement. In that case enter "UNKNOWN" on the form.
- A.6.b. Enter the range of DO values measured in wells within the plume.
- B. See the generic discussion at the end of the instructions (below) for figures, graphs and tables, starting on page INS-2.

Section GW-4, Other Groundwater Remediation Methods

- A.1. See instructions for Section GW-1, Item C.4.
- A.2. Self explanatory.
- A.3-4. Enter the information specified by the DNR for this method at this site.

Section IS-1, Soil Venting (Including both Soil Vapor Extraction and Bioventing)

- B.3. This subsection is used as a trigger for determining if the system requires an evaluation for future activities, such as improvements, converting the site to monitoring for natural attenuation, closure, etc. If an in situ respiration test must be performed, see Hinchee, R.E. and Ong, S.K. 1992. A Rapid In Situ Respiration Test for Measuring Aerobic Biodegradation Rates of Hydrocarbons in Soil. *Journal of the Air and Waste Management Association*. Volume 42, Number 10. Pages 1305 to 1312 for general procedures. For a discussion of methane monitoring, see the instructions for Section IS-2, item A.1.d., below. If the contaminant extraction rate in B.3. is greater than the trigger levels, leave lines B.3.a.i. and B.3.a.ii. blank.
- C. See the generic discussion at the end of the instructions (below) for figures, graphs and tables, starting on page INS-2.

Section IS-2, Natural Attenuation in Soil

- A.1. This data is used to assess subsurface conditions based on soil gas data. Whenever possible, a permanently installed gas probe should be used. If at all possible, the gas probe should be located in the part of the site that is most heavily contaminated, since that is the part of the site that is likely to take the longest amount of time to meet ch. NR 720 standards. Water table wells that have screen exposed above the water table are also good measuring points. When installing permanent gas probes, you should install the screen deep enough that a true measure of the most heavily contaminated soil is possible, but install the screen shallow enough to assure that it is not submerged by groundwater table fluctuations. In some situations where the depth of contamination is variable, consideration should be given to using nested gas probes instead of only using probes at a single depth. Measuring points that should not be used include temporary gas probes because these points are less repeatable from one monitoring event to the next. Also, if there has been an active soil venting system in use at the site, the air extraction wells should not be used because these wells are in locations that have had much more aggressive treatment than the rest of the site.
- A.1.a. A flame ionization detector (FID) is specified instead of a photo ionization detector (PID) because PIDs often read inaccurately in moist oxygen deficient/carbon dioxide rich atmospheres. Also, PIDs do not detect some petroleum compounds.
- A.1.d. Methane readings are used to measure for anaerobic conditions. When the original product that is lost is a refined petroleum product (not crude oil), there should not be any methane within the product. Methane however may be produced under very anaerobic conditions. Any method may be used for measuring methane provided that the detection limit is less than a few ppmv. One convenient method is to use an FID that is equipped with a granular activated carbon filter to filter out non-methane components. Some instrument manufacturers make these filters available as options. In some cases an FID will flame out due to an oxygen deficiency. Some instrument manufacturers offer a dilution device as an accessory that is designed to prevent flameouts and also raises the upper limit of measurement to 10,000 ppmv or higher. If the meter "pegs" at 10,000 ppmv (or one percent), enter ">10,000 ppmv."
- A.2. The background monitoring point is predominantly used to measure natural oxygen and carbon dioxide levels in soil over time. For this reason, the background monitoring point should be reasonably close to the site, but not so close that the conditions are no longer representative. Considerable variations over time can occur, this background point should be measured during every sample event. Considerations for determining if a background point is representative include:
 - o If an on-site background point has minor levels of VOCs in it due to gas phase diffusion, that is acceptable, but if the levels are high, it may not be representative of true background conditions.
 - o Background oxygen and carbon dioxide levels vary with soil type and natural organic carbon content. For this reason, if at all possible, the soil types should be identical within the screened interval of all gas probes.
 - o The same depths should be used for all gas probes to allow comparison from one location to the next. If the depth to water varies greatly across the site, a certain amount of confusion in the data is likely. In this case, use professional judgement to provide the best data possible at a reasonable cost.
- A.3. Enter this data for petroleum fuel sites. For other sites, provide the data that is most appropriate for the situation.
- B. Cross sections are self explanatory, see the generic discussion at the end of the instructions (below) for other attachments.

Section IS-3, Other In Situ Soil Treatment Methods

- A.2. Enter the information specified by the DNR for this method at this site.

Site name: Former Amoco Terminal

Reporting period from: 01/01/2021

To: 12/31/2021

Days in period: 365

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 21 of

Section ES-1, Ex Situ Soil Treatment Using Biopiles

- A.3.a. The term "artificial nutrients" essentially means agricultural fertilizers or any other fertilizer products.
- A.3.a.i. The types of fertilizers that are added should be listed here by chemical names, not by vendor trade names.
- A.3.a.ii. List nitrogen content as N, list phosphorous content as phosphoric acid (P₂O₅). Note: Fertilizer ratings are based not on actual content of N, P and K, but on nitrogen (as N), phosphorous (as P₂O₅) and potassium (as K₂O).
- A.4.c. See example calculations at the end of this set of instructions.
- A.5. Enter this data for petroleum fuel sites. For other sites, provide the data that is most appropriate for the situation.
- B. The figure is self explanatory. See the generic discussion at the end of the instructions (below) for instructions for the tables.

Section ES-2, Ex Situ Soil Treatment Using Landspreading/Thinspreading

- B. A map to scale of the landspreading location including and landmarks or benchmarks. When samples have been collected, the distances to any landmarks or benchmarks should be indicated.

Section ES-3, Other Ex Situ Soil Treatment Methods

- A.2. Enter the information specified by the DNR for this method at this site.

Section INS- 2, Figures, Graphs and Tables

When figures and graphs are specified, they should at a minimum contain the following information, or an explanation as to why the information is not necessary.

Maps. All maps should include the applicable information specified in s. NR 724.11(6), Wis. Adm. Code. In most cases, all information can be combined into a single map. There are times that a single map will have so much data that it is essentially unreadable. The consultant should use professional judgement when determining if a single map or multiple maps best portray the information necessary.

- Groundwater Contour Map Guidelines.
 - List groundwater elevations for each measuring point on the map.
 - Use the most recent data available.
 - For water table maps, do not use data from deeper piezometers. If piezometer data is shown, use a different symbol for the piezometers than used for water table wells.
 - If any wells are dry, indicate that on the map.
 - If free product is present at site, shade the area where free product is estimated to be present.
 - If groundwater is extracted with a pump and treat system, also denote plume capture zone.
 - If in situ air sparging or soil venting is in use, specify on the map if the system was operating or shut down during the water level measurements. See the Subsection on water table maps in the *Guidance on Design, Installation and Operation of Ground Water Extraction and Product Recovery Systems* for more information on this topic.
- Groundwater Contaminant Distribution Map Guidelines.
 - Only contaminants that exceed the ch. NR 140 ES or PAL should be shown on the map. When contaminants are above the PAL or ES at some data points and below the PAL or ES at other data points, list the data for all locations to portray which areas of the site meet ch. NR 140 groundwater quality standards.
 - If a well is not sampled due to the presence of free product indicate "FREE PRODUCT" at those data points.
 - If more than five contaminants exceed ch. NR 140 ES, only the five contaminants that require the greatest percent reduction to achieve ch. NR 140 ES or PAL should be shown on the map.
 - Drawing isoconcentration lines is optional, unless specified for the site on a site specific basis.
 - If the contamination has crossed the property line, that property line should be clearly denoted on the map.
 - If in situ air sparging is used, water samples from ch. NR 141 type monitoring wells may not represent aquifer water quality as a whole. For that reason, groundwater data should be obtained from driven probes with no filter pack. If there are no driven probes and conventional ch. NR 141 monitoring wells are used, shut down the air injection system at least two weeks prior to collecting groundwater samples. See the *Guidance on Design, Installation and Operation of In Situ Air Sparging Systems* and the August 1995 update sheets for more information on this topic.
- Dissolved Oxygen Map Guidelines.
 - Dissolved oxygen data may be shown on the contaminant concentration graphs or on a separate graph.
 - Dissolved oxygen maps are optional for ground water extraction and product recovery systems.
 - When in situ air sparging is used, monitoring points may not represent aquifer water quality as a whole. For that reason, groundwater data should be obtained from driven probes with no filter pack. If there are no driven probes and conventional ch. NR 141 monitoring wells are used, shut down the air injection system at least two weeks prior to collecting groundwater samples for DO. See the *Guidance on Design, Installation and Operation of In Situ Air Sparging Systems* and the August 1995 update sheets for more information on this topic.
- Well and Soil Sample Location Map Guidelines. Well and sample location maps for all methods should clearly indicate the location(s) of the release or the area where soil contamination historically has been highest. Also, if part of the contamination has been excavated, the pit boundaries.

The recommended documentation for each remedial method is as follows:

- Groundwater Extraction and Product Recovery - separate well location maps should not be provided, instead the wells should be indicated on the groundwater contour and contaminant distribution maps.
- In Situ Air Sparging - the map should indicate all air injection wells, soil venting extraction wells, and all groundwater monitoring points.

Maps (Continued).

- Natural Attenuation in Groundwater - separate well location maps should not be provided, instead the wells should be indicated on the groundwater contour maps.
- Soil Venting - indicate all air extraction wells. If any gas probes are used to assess subsurface conditions in either contaminated zones or background locations, also indicate those data points with a different symbol. If soil samples have been collected recently to track progress, indicate those locations with the date of sampling noted on the map.
- Natural Attenuation in Soil - show all monitoring points. Indicate which data points are background measuring points. If soil samples have been collected recently to track progress, indicate those locations with the date of sampling noted on the map. If the site was previously treated by soil venting, the locations of former air extraction wells should also be shown since these are areas where aggressive treatment has been applied. Also show area(s) of paved and unpaved ground surface. If pavement is significantly broken to allow significant water infiltration and air diffusion, map that area as broken pavement.

Graphs. All graphs that show time versus contaminant concentration or cumulative contaminant removal should be based on total time, not only operation time. All graphs that denote cumulative removal should use pounds of contaminant removed. Graphs should accurately show the time period(s) when the system was not operating. Plot time on the X axis, concentration or cumulative removal data on the Y axis.

- Time Versus Cumulative Removal. The recommended documentation for each remedial method is as follows:
 - Groundwater Extraction and Product Recovery - separate graphs should be used for free product recovery and dissolved phase recovery. A single graph for each phase is adequate, per well graphs are only necessary when specified by the Department on a site specific basis.
 - In Situ Air Sparging - no graph is necessary (removal data is shown on the graphs for the soil venting system).
 - Natural Attenuation in Groundwater - no graph is necessary.
 - Soil Venting - provide a graph of cumulative removal for total VOCs for the total system.
 - Natural Attenuation in Soil - no graph is necessary.
 - Ex Situ Soil Treatment Using Biopiles - Provide two graphs, one showing cumulative removal of total VOCs and a second graph showing total contaminant biodegradation over time.
 - Ex Situ Soil Treatment Using Landspreading/Thinspreading - no graphs are needed.
- Time Versus Contamination Concentration Graphs. Create graphs with contamination level on the y axis (semilog scale) and time on the x axis (linear scale). If free product is present, time versus contamination concentration graphs are not necessary.

The recommended documentation for each remedial method is as follows:

- Groundwater Extraction and Product Recovery - graph the contaminant level over time for the groundwater that is extracted by the extraction system. List all compounds that exceed ch. NR 140 ES or PAL. If over five contaminants exceed ch. NR 140 standards by the greatest percent.
- In Situ Air Sparging - provide a graph for the single monitoring well that is most heavily contaminated. If over five contaminants exceed ch. NR 140 ES or PAL, only list the five contaminants that exceed ch. NR 140 standards by the greatest percent.
- Natural Attenuation in Groundwater - provide a graph for all monitoring wells that contain any compounds that exceed ch. NR 140 standards. If over five contaminants exceed ch. NR 140 ES or PAL, only list the five contaminants that exceed ch. NR 140 standards by the greatest percent.
- Soil Venting - provide a graph of contaminant concentration over time for the entire system for total VOCs. If any gas probes are used to assess subsurface conditions in either contaminated zones, also provide a graph with the data from the most heavily contaminated gas probe.
- Natural Attenuation in Soil - provide a graph of contaminant concentration over time for total vapor phase VOCs as measured with an FID, oxygen, carbon dioxide and methane in a gas probe.
- Ex Situ Soil Treatment Using Biopiles - no graph is necessary.
- Ex Situ Soil Treatment Using Landspreading/Thinspreading - no graphs are needed.

Graphs (Continued).

- Graph of Contaminant Concentrations Versus Distance. If free product is present, a graph of contaminant concentrations versus distance is not necessary.

The recommended documentation for each remedial method is as follows:

- Groundwater Extraction and Product Recovery - no graph is necessary.
- In Situ Air Sparging and Natural Attenuation in Groundwater - plot a graph with distance (on the x axis, linear scale) and contaminant concentrations (y axis, log scale) from the upgradient measurement point to the farthest downgradient data point along the centerline of the plume. List the same contaminants as shown on the Time Versus Contaminant Concentration Graphs. Clearly show the source area on the graph. If free product has been present, label the data points that previously contained free product. For in situ air sparging, see comments above about samples collected from conventional monitoring wells with filter packs versus driven probes.

Tables. Whenever possible, data over the life of the project should be listed.

The recommended documentation for each type of table is as follows:

- Groundwater Contaminant Chemistry Data.

List:

- Contamination levels for all contaminants that exceed ch. NR 140 standards.
- Dissolved oxygen levels if applicable.
- Other biological parameters, if applicable (nitrogen, phosphorous, manganese, sulphate, iron, dissolved methane, redox potential, pH, microbial population size, etc.). See instructions for page GW-3 for more information on these parameters. Also, list the dates the samples were collected and the standard methods used to analyze the samples.

- Groundwater Biological Parameters.

For natural attenuation in groundwater only, these measurements should be listed (if known) to provide information on biodegradation. This table is not necessary for free product extraction, groundwater extraction or in situ air sparging.

Provide a table that includes any results of tests conducted for dissolved oxygen, nitrate, manganese, iron, sulphate, methane, redox potential, heterotrophic and/or hydrocarbon degrading microorganism populations. Identify on the table if the monitoring locations are upgradient, side gradient, downgradient, or within the plume, dates of sampling, and the analytical methods used for those parameters. Include all data for the life of the project. Since some of these tests are only conducted once, or periodically - enter "NS" in the table for not sampled for any parameters that were not sampled during a particular round of sampling.

When asked to list the standard methods, list the method if a standard method exists. There are however some tests (for example dissolved methane) where there are no official standard laboratory or field methods. In this case the laboratory will have to create their own standard procedures. In these cases list the name of the laboratory and that laboratory's name for that test.

Specific considerations for each parameter are as follows:

- Dissolved oxygen (mg/L). The most efficient mechanism for natural or enhanced biodegradation of petroleum compounds is aerobic biodegradation.
- Nitrate (mg/L as N). Nitrate (NO_3^{-1}) is a potential electron acceptor for denitrification and also serves as a nutrient for heterotrophic microbial populations to enhance aerobic biodegradation. Decreasing nitrate levels from background wells to wells within the plume are an indication of either aerobic or anaerobic biodegradation.
- Manganese as Mn^{+2} (mg/L). Manganese as Mn^{+4} is converted to soluble manganese as Mn^{+2} under anaerobic biodegradation. For this reason, total manganese analysis is not appropriate, only soluble manganese as Mn^{+2} . When the levels of soluble manganese are higher in wells within the plume than in background wells, that is an indication of anaerobic biodegradation.
- Iron as Fe^{+2} (mg/L). Iron as Fe^{+3} is converted to soluble iron as Fe^{+2} under anaerobic biodegradation. For this reason, total iron analysis is not appropriate, only soluble iron as Fe^{+2} . When the levels of soluble iron are higher in wells within the plume than in background wells, that is an indication of anaerobic biodegradation.

- Dissolved sulphate (SO_4^{-2} , mg/L). Sulphate (SO_4^{-2}) is a potential electron acceptor. Decreasing sulphate levels from background wells to wells within the plume are an indication of anaerobic biodegradation.
- Dissolved methane (mg/L). Methane is produced under anaerobic conditions. Since background methane levels can usually be assumed to be zero, in most cases only measurements within the plume are used. Exceptions are when the natural soils have very high levels of TOC (for example peat), background methane levels are also warranted. When the contaminant is crude oil instead of a refined petroleum product, methane measurements may however cause erratic results. Significant amounts of methane may be created when other electron acceptors (NO_3^{-1} , Mn^{+4} , Fe^{+3} and SO_4^{-2}) are exhausted. For this reason, significant levels of methane are indicative of very very anaerobic conditions.
- Redox potential (millivolts, include + or - sign). Redox potential is another measure of the level of aerobic/anaerobic conditions, however it is a much more sensitive measurement than DO at very low levels of DO.
- Heterotrophic and hydrocarbon degrading microorganism populations (CFU/mL). Heterotrophic and specific hydrocarbon degrader population sizes should be listed for both background locations and locations within the plume, if there is information available. There is disagreement by many of the experts within the field as to the merits of sampling for this parameter. Refer to other DNR guidance documents on natural attenuation (or passive bioremediation) for more information on this topic.

- Soil Gas Data.

The recommended documentation for each remedial method is as follows:

- When natural attenuation in soil is used, provide a graph of all soil gas readings over time for every data point.
- When soil venting is used, if a gas probe is used to assess subsurface conditions over time in a location where air is not extracted, provide that data in a table.

- System Operational Data.

The recommended documentation for each remedial method is as follows:

- Groundwater Extraction and Product Recovery:
 - Well by well flow rates in gpm for each extraction well. If a well is off line, list flow rate as "ZERO." Clearly denote on the table periods of system shutdown.
- In Situ Air Sparging:
 - Air pressure and injection flow rates in scfm for each well. If a well is off line, list flow rate as "ZERO." Clearly denote on the table periods of system shutdown.
- Natural Attenuation in Groundwater - no table needed.
- Soil Venting:
 - Vacuum readings and extraction rates in scfm for each well. If a well is off line, list flow rate as "ZERO." Clearly denote on the table periods of system shutdown.
 - Air concentrations in ppmv or in mg/L for total VOCs.
 - Total system contaminants removed in pounds and the pounds per day removal rate.
- Natural Attenuation in Soil - no table needed.

-- Ex Situ Soil Treatment Using Biopiles:

- If forced air ventilation is used:
 - System extraction rates in scfm.
 - Air concentrations in ppmv for total VOCs.
 - Total system contaminants removed in pounds and the pounds per day removal rate.
 - Temperature.
- If passive ventilation is used, a table of temperatures.

-- Ex Situ Soil Treatment Using Landspreading/Thinspreading - no table is needed.

Acronyms and Abbreviations:

CFU/mL	colony forming units per milliliter
cm/sec	centimeters per second
DATCP	Department of Agriculture, Trade and Consumer Protection
DCOM	Department of Commerce
DNR	Department of Natural Resources
DO	Dissolved Oxygen
DRO	Diesel Range Organics
ES	Enforcement Standards in NR 140
FID	Flame Ionization Detector
ft/yr	feet per year
gpd	gallons per day
gpm	gallons per minute
GRO	Gasoline Range Organics
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
NR	prefix for rules established by the DNR
P.E.	Registered Professional Engineer
P.G.	Registered Professional Geologist
PAL	Preventative Action Limit in NR 140
PECFA	the state sponsored cleanup fund for certain petroleum contaminated sites
ppmv	parts per million by volume (vapor phase only)
scfm	standard cubic feet per minute
TOC	Total Organic Carbon
USCS	Unified Soil Classification System
USDA	United States Department of Agriculture
µg/kg	micrograms per kilogram
µg/mL	micrograms per milliliter
VOC	Volatile Organic Compounds
Y/N	Yes or No

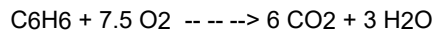
Section INS-3, Example Calculations for Determining the Biodegradation Rate on Forced AirBiopiles

Important Note: This page uses a nonproportional font and characters that are unique to WordPerfect. If the user received this document electronically, this page may need to be converted to a different font for the formulas to print correctly. The original font used for this page was prestige elite with 16.67 characters per inch.

Assumptions:

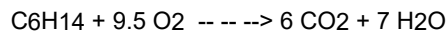
- The measurements at the stack are as follows:
 - Average flow rate is 20 scfm.
 - Average oxygen level extracted from biopile is 14.0 percent by volume.
 - Average carbon dioxide level extracted from biopile is 3.5 percent by volume or 35,000 ppmv.
- Atmospheric air contains 21 percent oxygen by volume and 400 ppmv (or 0.04 percent) carbon dioxide. (Note: On each site visit, the consultant should check atmospheric air to assure that the instrument is spanned correctly.)
- Atmospheric air weight 0.0763 pounds per cubic foot at standard temperature and pressure (Gibbs, 1971).
- Average molecular weight of air is 28.97 (Gibbs, 1971) which is rounded off to 29, molecular weight of O2 is 32, molecular weight of CO2 is 44.
- For every pound of contaminants biodegraded, 3.3 pounds of oxygen is utilized and up to 3.2 pounds of carbon dioxide is generated.

-- The stoichiometry of aerobic benzene biodegradation can be described as follows:



Based on this, benzene biodegradation requires that 3.07 pounds of oxygen are utilized to fully oxidize one pound of benzene, assuming no electron acceptors other than oxygen are used. Assuming no biomass is produced and no geochemical reactions consume carbon dioxide, 3.38 pounds of carbon dioxide is generated from one pound of benzene.

-- The stoichiometry of aerobic hexane biodegradation can be described as follows:



Based on the above assumptions, hexane biodegradation requires 3.52 pounds of oxygen and generates up to 3.06 pounds of carbon dioxide.

Other hydrocarbons also require a similar ratio of oxygen for aerobic biodegradation. For purposes of this guidance it is assumed that a pound of petroleum contamination requires 3.3 pounds of oxygen and generates up to 3.2 pounds of carbon dioxide and 1.1 pounds of water in the biodegradation reaction.

Calculations:

Oxygen utilization rate:

$$(0.21 - 0.14) * \frac{32 \text{ pounds}}{29} * \frac{\text{ft}^3}{\text{min}} * 0.0763 * \frac{\text{min}}{\text{hour}} * 20 * \frac{\text{pounds}}{\text{hour}} * 60 = 7.07$$

Carbon dioxide production rate:

$$(0.035 - 0.0004) * \frac{44 \text{ pounds}}{29} * \frac{\text{ft}^3}{\text{min}} * 0.0763 * \frac{\text{min}}{\text{hour}} * 20 * \frac{\text{pounds}}{\text{hour}} * 60 = 4.81$$

Site name: Former Amoco Terminal

Reporting period from: 01/01/2021

To: 12/31/2021

Days in period: 365

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

Form 4400-194 (R 11/14)

Page 28 of

Calculations (Continued):

Biodegradation rate based on oxygen:

$$7.07 / 3.3 = 2.1 \text{ pounds per hour}$$

Biodegradation rate based on carbon dioxide:

$$4.81 / 3.2 = 1.5 \text{ pounds per hour}$$

Since the biodegradation rate is based on oxygen utilization and/or carbon dioxide generation, it is a measure of the overall biodegradation rate of all carbon sources, including natural organic carbon and any organic materials that were added. For this reason, the biodegradation rate is not specific to hydrocarbons and it is likely that the measured biodegradation rate will overestimate the rate of contaminant reduction.

Commonly the measured biodegradation rate based on carbon dioxide generation is less than the rate estimated with oxygen. Because of geochemical interferences and biomass formation, estimates based on carbon dioxide measurements are often low. If however the biodegradation rate estimate based on carbon dioxide is significantly greater than the estimate based on oxygen, it is likely that there is a measurement or calculation error. In this way, the carbon dioxide measurements can be used to double check the oxygen measurements and calculations.

Appendix D – Waste Disposal Manifest

THIS MEMORANDUM is an acknowledgement that a bill of lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

SHIPPER NO. _____

CARRIER NO. _____

DATE 10-29-71

CARRIER GFL Environmental

SCAC _____

TO
 CONSIGNEE GFL
 STREET 3240 W Elm Rd.
 DESTINATION Franklin STATE WI ZIP 53132
 ROUTE _____

FROM
 SHIPPER Andea Group
 STREET 2904 Winder St
 ORIGIN Superior STATE WI ZIP _____

VEHICLE NUMBER

U.S. DOT Hazmat Reg. No.

TA 2634

Number and Type of Packages	HM	Description of Articles	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
<u>001 TR X</u>		<u>UN1203 Gasoline (Gasoline & water)</u>	<u>2200</u>	<u>6</u>	

Remit COD to:
 Address: _____
 City: _____ State: _____ Zip: _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

 (Signature of Consignor)

COD AMT:
 \$ _____
TOTAL CHARGES:
 \$ _____

COD FEE:
 Prepaid
 Collect \$ _____
FREIGHT CHARGES:
 Prepaid Collect

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \$ _____ Per _____

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations; the Property described above, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation PER: _____

SHIPPER: Andea Group
 PER: [Signature]

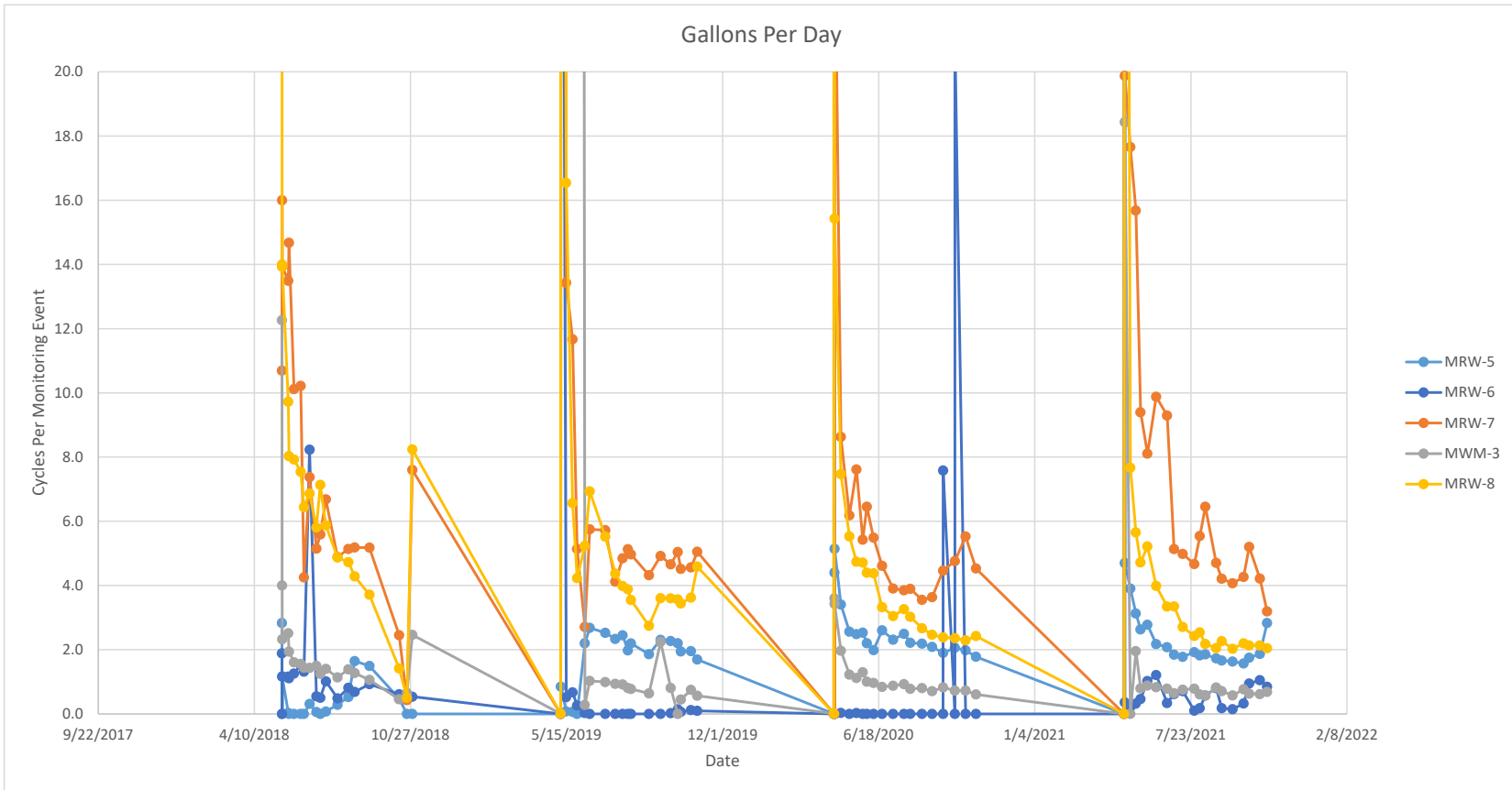
CARRIER: GFL Environmental
 PER: [Signature]
 DATE: 10-29-71

EMERGENCY RESPONSE TELEPHONE NUMBER: 414) 761 9471

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER: _____

Appendix E – Phase II System Cycle Counter Tracking

Appendix E
Phase II System Cycle Counters



Appendix E
Phase II System Cycle Counters

Well	Date/Time	Cycle Counter	Cycle Since Last Date	Gallons Since Last Date (gal)	Cycles per Day	Gallons per Day	DTP	DTW
MRW-5	5/14/2018 13:15	13858					13.56	14.21
MRW-5	5/15/2018 8:20	13867	9	2.25	11.3	2.8	13.47	13.8
MRW-5	5/15/2018 11:20	13867	0	0	0.0	0.0	13.49	13.82
MRW-5	5/15/2018 16:30	13868	1	0.25	4.6	1.2	13.41	13.72
MRW-5	5/23/2018 10:50	13869	1	0.25	0.1	0.0	13.7	14
MRW-5	5/24/2018 8:30	13869	0	0	0.0	0.0	13.64	13.91
MRW-5	5/30/2018 17:30	13869	0	0	0.0	0.0	13.3	13.26
MRW-5	6/8/2018 10:00	13869	0	0	0.0	0.0	12.49	12.79
MRW-5	6/12/2018 10:00	13869	0	0	0.0	0.0	12.64	12.92
MRW-5	6/19/2018 17:40	13878	9	2.25	1.2	0.3	11.68	11.69
MRW-5	6/28/2018 10:25	13880	2	0.5	0.2	0.1	12.95	13.92
MRW-5	7/3/2018 10:40	13880	0	0	0.0	0.0	12.01	12.24
MRW-5	7/10/2018 14:15	13882	2	0.5	0.3	0.1	12.18	12.55
MRW-5	7/25/2018 14:00	13899	17	4.25	1.1	0.3	12.68	15.23
MRW-5	8/8/2018 10:45	13928	29	7.25	2.1	0.5	13.65	13.97
MRW-5	8/16/2018 12:05	13981	53	13.25	6.6	1.6	14.1	14.35
MRW-5	9/4/2018 10:18	14094	113	28.25	6.0	1.5	13.89	14.2
MRW-5	10/12/2018 11:10	14166	72	18	1.9	0.5	11.04	17.83
MRW-5	10/22/2018 10:40	14166	0	0	0.0	0.0	12.45	12.71
MRW-5	10/29/2018 10:53	14166	0	0	0.0	0.0	12.39	12.66
MRW-5	5/7/2019 10:30	14166	0	0	0.0	0.0	10.28	18.65
MRW-5	5/7/2019 17:35	14167	1	0.25	3.4	0.8	12.09	12.38
MRW-5	5/14/2019 11:20	14169	2	0.5	0.3	0.1	11.56	11.79
MRW-5	5/22/2019 15:45	14171	2	0.5	0.2	0.1	10.72	11.02
MRW-5	5/28/2019 10:45	14171	0	0	0.0	0.0	9.95	12.91
MRW-5	6/7/2019 8:00	14258	87	21.75	8.8	2.2	10.74	11.01
MRW-5	6/13/2019 16:20	14326	68	17	10.7	2.7	10.99	11.36
MRW-5	7/3/2019 14:20	14527	201	50.25	10.1	2.5	11.31	11.56
MRW-5	7/16/2019 11:10	14647	120	30	9.3	2.3	12.32	12.66
MRW-5	7/25/2019 18:11	14738	91	22.75	9.8	2.4	12.96	13.28
MRW-5	8/1/2019 14:00	14792	54	13.5	7.9	2.0	13.12	13.37
MRW-5	8/5/2019 11:00	14826	34	8.5	8.8	2.2	13.33	13.54
MRW-5	8/28/2019 14:28	14998	172	43	7.4	1.9	13.79	14.05
MRW-5	9/12/2019 10:45	15135	137	34.25	9.2	2.3	13.44	13.69
MRW-5	9/25/2019 10:35	15253	118	29.5	9.1	2.3	12.89	13.13
MRW-5	10/4/2019 10:00	15332	79	19.75	8.8	2.2	12.29	12.48
MRW-5	10/8/2019 10:25	15354	101	25.25	7.8	1.9	11.74	12.01
MRW-5	10/21/2019 11:45	15456	102	25.5	7.8	2.0		
MRW-5	10/29/2019 11:00	15510	54	13.5	6.8	1.7	11.45	11.74
MRW-5	4/21/2020 14:00	15511	1	0.25	0.0	0.0	8.65	18.52
MRW-5	4/21/2020 16:00	15540	29	7.25	348.0	87.0	9.58	16.4
MRW-5	4/21/2020 16:45	15566	26	6.5	832.0	208.0	10.74	12.45
MRW-5	4/21/2020 17:30	15577	11	2.75	352.0	88.0	10.84	11.93
MRW-5	4/22/2020 8:30	15588	11	2.75	17.6	4.4	10.78	11.12
MRW-5	4/22/2020 12:00	15591	3	0.75	20.6	5.1	10.8	11.09
MRW-5	4/30/2020 12:00	15700	109	27.25	13.6	3.4	10.69	10.99
MRW-5	5/11/2020 12:50	15813	113	28.25	10.2	2.6	10.98	11.32
MRW-5	5/20/2020 12:00	15902	89	22.25	9.9	2.5	11.28	12.32
MRW-5	5/28/2020 14:43	15984	82	20.5	10.1	2.5	11.19	11.47
MRW-5	6/2/2020 20:15	16030	46	11.5	8.8	2.2	11.33	11.61
MRW-5	6/11/2020 9:45	16098	68	17	7.9	2.0	11.72	13.68
MRW-5	6/22/2020 11:05	16213	115	28.75	10.4	2.6	12.58	13.19
MRW-5	7/6/2020 10:14	16342	129	32.25	9.2	2.3	13.05	13.89
MRW-5	7/20/2020 11:00	16482	140	35	10.0	2.5	12.65	12.96
MRW-5	7/28/2020 11:30	16553	71	17.75	8.9	2.2	12.47	12.79
MRW-5	8/12/2020 11:20	16684	131	32.75	8.7	2.2	12.5	12.78
MRW-5	8/25/2020 13:07	16793	109	27.25	8.3	2.1	12.93	13.58

Appendix E
Phase II System Cycle Counters

Well	Date/Time	Cycle Counter	Cycle Since Last Date	Gallons Since Last Date (gal)	Cycles per Day	Gallons per Day	DTP	DTW
MRW-5	9/8/2020 12:05	16899	106	26.5	7.6	1.9	13.28	13.64
MRW-5	9/23/2020 16:30	17024	125	31.25	8.2	2.1	13.67	14.06
MRW-5	10/7/2020 10:40	17133	109	27.25	7.9	2.0	14.15	14.62
MRW-5	10/20/2020 15:20	17227	94	23.5	7.1	1.8	13.95	14.24
MRW-5	4/28/2021 11:46	17227	0	0	0.0	0.0	10.75	18.56
MRW-5	4/28/2021 15:15	17257	30	7.5	206.7	51.7	11.86	15.57
MRW-5	4/28/2021 16:39	17278	21	5.25	360.0	90.0	12.47	12.68
MRW-5	4/29/2021 9:15	17291	13	3.25	18.8	4.7	12.4	12.7
MRW-5	5/6/2021 11:50	17402	111	27.75	15.6	3.9	12.68	13
MRW-5	5/13/2021 12:35	17490	88	22	12.5	3.1	12.96	13.28
MRW-5	5/19/2021 12:16	17553	63	15.75	10.5	2.6	13.23	13.6
MRW-5	5/28/2021 8:00	17651	98	24.5	11.1	2.8	12.62	12.87
MRW-5	6/8/2021 11:50	17748	97	24.25	8.7	2.2	13.11	13.63
MRW-5	6/22/2021 13:30	17865	117	29.25	8.3	2.1	13.58	13.91
MRW-5	7/1/2021 12:30	17931	66	16.5	7.4	1.8	13.21	13.53
MRW-5	7/12/2021 12:15	18009	78	19.5	7.1	1.8	13.66	14.65
MRW-5	7/27/2021 11:04	18124	115	28.75	7.7	1.9	14.21	14.8
MRW-5	8/3/2021 11:00	18175	51	12.75	7.3	1.8	14.38	14.67
MRW-5	8/10/2021 11:15	18227	52	13	7.4	1.9	14.48	14.85
MRW-5	8/24/2021 12:05	18324	97	24.25	6.9	1.7	14.90	15.22
MRW-5	8/31/2021 13:40	18371	47	11.75	6.7	1.7	14.70	14.98
MRW-5	9/14/2021 12:25	18462	91	22.75	6.5	1.6	14.91	15.18
MRW-5	9/28/2021 12:43	18550	88	22	6.3	1.6	14.59	14.87
MRW-5	10/5/2021 16:32	18600	50	12.5	7.0	1.7	14.56	14.89
MRW-5	10/19/2021 11:57	18703	103	25.75	7.5	1.9	14.55	14.77
MRW-5	10/28/2021 16:15	18751	104	26	11.3	2.8	14.68	15.00
MRW-6	5/14/2018 13:15	18076					14.13	14.32
MRW-6	5/15/2018 8:20	18082	6	1.5	7.5	1.9	14.16	14.49
MRW-6	5/15/2018 11:20	18082	0	0	0.0	0.0	14.15	14.47
MRW-6	5/15/2018 16:30	18083	1	0.25	4.6	1.2	14.1	14.41
MRW-6	5/23/2018 10:50	18119	36	9	4.6	1.2	14.33	14.69
MRW-6	5/24/2018 8:30	18123	4	1	4.4	1.1	14.3	14.6
MRW-6	5/30/2018 17:30	18155	32	8	5.0	1.3	13.76	14.04
MRW-6	6/8/2018 10:00	18208	53	13.25	6.1	1.5	13.28	13.57
MRW-6	6/12/2018 10:00	18229	21	5.25	5.3	1.3	13.39	13.72
MRW-6	6/19/2018 17:40	18470	241	60.25	32.9	8.2	12.46	12.47
MRW-6	6/28/2018 10:25	18489	19	4.75	2.2	0.5	12.75	13.15
MRW-6	7/3/2018 10:40	18499	10	2.5	2.0	0.5	12.7	13.02
MRW-6	7/10/2018 14:15	18528	29	7.25	4.1	1.0	12.95	13.3
MRW-6	7/25/2018 14:00	18557	29	7.25	1.9	0.5	13.76	14.75
MRW-6	8/8/2018 10:45	18602	45	11.25	3.2	0.8	14.36	14.72
MRW-6	8/16/2018 12:05	18624	22	5.5	2.7	0.7	14.75	15.1
MRW-6	9/4/2018 10:18	18694	70	17.5	3.7	0.9	14.63	14.95
MRW-6	10/12/2018 11:10	18787	93	23.25	2.4	0.6	13.09	15.82
MRW-6	10/22/2018 10:40	18806	19	4.75	1.9	0.5	13.26	13.48
MRW-6	10/29/2018 10:53	18821	15	3.75	2.1	0.5	13.14	13.44
MRW-6	5/7/2019 10:30	18821	0	0	0.0	0.0	10.82	20.18
MRW-6	5/7/2019 17:35	18880	59	14.75	199.9	50.0	12.87	13.13
MRW-6	5/14/2019 11:20	18894	14	3.5	2.1	0.5	12.34	12.63
MRW-6	5/22/2019 15:45	18916	22	5.5	2.7	0.7	11.57	11.82
MRW-6	5/28/2019 10:45	18922	6	1.5	1.0	0.3	11.3	11.91
MRW-6	6/7/2019 8:00	18923	1	0.25	0.1	0.0	11.51	11.82
MRW-6	6/13/2019 16:20	18923	0	0	0.0	0.0	11.79	12.14
MRW-6	7/3/2019 14:20	18923	0	0	0.0	0.0	12.18	12.39
MRW-6	7/16/2019 11:10	18923	0	0	0.0	0.0	13.11	13.39
MRW-6	7/25/2019 18:11	18923	0	0	0.0	0.0	13.72	13.98

Appendix E
Phase II System Cycle Counters

Well	Date/Time	Cycle Counter	Cycle Since Last Date	Gallons Since Last Date (gal)	Cycles per Day	Gallons per Day	DTP	DTW
MRW-6	8/1/2019 14:00	18923		0	0	0.0	0.0	13.89 14.12
MRW-6	8/5/2019 11:00	18923		0	0	0.0	0.0	14 14.28
MRW-6	8/28/2019 14:28	18923		0	0	0.0	0.0	14.53 14.82
MRW-6	9/12/2019 10:45	18923		0	0	0.0	0.0	14.2 14.48
MRW-6	9/25/2019 10:35	18924		1	0.25	0.1	0.0	13.64 13.96
MRW-6	10/4/2019 10:00	18929		5	1.25	0.6	0.1	13.01 13.32
MRW-6	10/4/2019 11:30	36012						
MRW-6	10/8/2019 10:30	36013		1	0.25	0.3	0.1	13.42179 13.7621
MRW-6	10/21/2019 11:45	36019		6	1.5	0.5	0.1	
MRW-6	10/29/2019 11:00	36022		3	0.75	0.4	0.1	12.27 12.53
MRW-6	4/21/2020 14:00	36022		0	0	0.0	0.0	10.46 15.82
MRW-6	4/21/2020 16:00	36048		26	6.5	312.0	78.0	11.87 12.72
MRW-6	4/21/2020 16:45	36052		4	1	128.0	32.0	11.65 12.01
MRW-6	4/21/2020 17:30	36052		0	0	0.0	0.0	11.62 11.93
MRW-6	4/22/2020 8:30	36052		0	0	0.0	0.0	11.55 11.87
MRW-6	4/22/2020 12:00	36052		0	0	0.0	0.0	11.55 11.85
MRW-6	4/30/2020 12:00	36053		1	0.25	0.1	0.0	11.49 11.76
MRW-6	5/11/2020 12:50	36053		0	0	0.0	0.0	11.81 11.98
MRW-6	5/20/2020 12:00	36054		1	0.25	0.1	0.0	12.25 12.4
MRW-6	5/28/2020 14:43	36054		0	0	0.0	0.0	12.03 12.19
MRW-6	6/2/2020 20:15	36054		0	0	0.0	0.0	12.18 12.32
MRW-6	6/11/2020 9:45	36054		0	0	0.0	0.0	12.89 13.02
MRW-6	6/22/2020 11:05	36054		0	0	0.0	0.0	13.41 13.53
MRW-6	7/6/2020 10:14	36054		0	0	0.0	0.0	13.92 14.06
MRW-6	7/20/2020 11:00	36054		0	0	0.0	0.0	13.42 13.76
MRW-6	7/28/2020 11:30	36054		0	0	0.0	0.0	13.25 13.91
MRW-6	8/12/2020 11:20	36054		0	0	0.0	0.0	13.21 13.82
MRW-6	8/25/2020 13:07	36054		0	0	0.0	0.0	13.66 14.56
MRW-6	9/8/2020 12:05	36054		0	0	0.0	0.0	13.82 14.97
MRW-6	9/8/2020 15:15	36058		4	1	30.3	7.6	14.17 14.36
MRW-6	9/23/2020 16:30	36058		0	0	0.0	0.0	14.36 14.8
MRW-6	9/23/2020 17:04	36060		2	0.5	84.7	21.2	14.4 14.71
MRW-6	10/7/2020 10:40	36060		0	0	0.0	0.0	14.79 15.33
MRW-6	10/20/2020 15:20	36060		0	0	0.0	0.0	14.47 15.55
MRW-6	4/28/2021 11:46	36060		0	0	0.0	0.0	11.29 18.56
MRW-6	4/28/2021 15:15	36094		34	8.5	234.3	58.6	11.86 15.57
MRW-6	4/28/2021 16:39	36112		18	4.5	308.6	77.1	13.24 13.45
MRW-6	4/29/2021 9:15	36113		1	0.25	1.4	0.4	13.09 13.44
MRW-6	5/6/2021 11:50	36119		6	1.5	0.8	0.2	13.38 13.75
MRW-6	5/13/2021 12:35	36128		9	2.25	1.3	0.3	13.68 14.02
MRW-6	5/19/2021 12:16	36139		11	2.75	1.8	0.5	13.92 14.29
MRW-6	5/28/2021 8:00	36175		36	9	4.1	1.0	13.31 13.61
MRW-6	6/8/2021 11:50	36229		54	13.5	4.8	1.2	13.83 14.25
MRW-6	6/22/2021 13:30	36248		19	4.75	1.4	0.3	14.3 14.67
MRW-6	7/1/2021 12:30	36270		22	5.5	2.5	0.6	14 14.33
MRW-6	7/12/2021 12:15	36301		31	7.75	2.8	0.7	14.5 14.94
MRW-6	7/27/2021 11:04	36307		6	1.5	0.4	0.1	14.94 15.29
MRW-6	8/3/2021 11:00	36312		5	1.25	0.7	0.2	15.08 15.39
MRW-6	8/10/2021 11:15	36328		16	4	2.3	0.6	15.2 15.55
MRW-6	8/24/2021 12:05	36373		45	11.25	3.2	0.8	15.57 15.93
MRW-6	8/31/2021 13:40	36378		5	1.25	0.7	0.2	15.39 15.72
MRW-6	9/14/2021 12:25	36386		8	2	0.6	0.1	15.56 15.92
MRW-6	9/28/2021 12:43	36404		18	5	1.3	0.3	15.32 15.63
MRW-6	10/5/2021 16:32	36431		27	7	3.8	0.9	15.31 15.56
MRW-6	10/19/2021 12:03	36489		58	15	4.2	1.0	15.21 15.56
MRW-6	10/28/2021 16:15	36520		31	8	3.4	0.8	15.44 15.74

Appendix E
Phase II System Cycle Counters

Well	Date/Time	Cycle Counter	Cycle Since Last Date	Gallons Since Last Date (gal)	Cycles per Day	Gallons per Day	DTP	DTW
MRW-7	5/14/2018 13:15	55987					16.93	17.44
MRW-7	5/15/2018 8:20	56021	34	8.5	42.8	10.7	16.61	16.81
MRW-7	5/15/2018 11:20	56029	8		2	64.0	16.0	16.86
MRW-7	5/15/2018 16:30	56041	12		3	55.7	13.9	16.59
MRW-7	5/23/2018 10:50	56460	419	104.75	54.0	13.5	16.8	17.08
MRW-7	5/24/2018 8:30	56513	53	13.25	58.7	14.7	16.76	17
MRW-7	5/30/2018 17:30	56771	258	64.5	40.5	10.1	16.28	16.48
MRW-7	6/8/2018 10:00	57126	355	88.75	40.9	10.2	15.85	16.04
MRW-7	6/12/2018 10:00	57194	68	17	17.0	4.3	16	16.23
MRW-7	6/19/2018 17:40	57410	216	54	29.5	7.4	14.99	15
MRW-7	6/28/2018 10:25	57589	179	44.75	20.6	5.1	15.25	16.2
MRW-7	7/3/2018 10:40	57701	112	28	22.4	5.6	15.32	15.57
MRW-7	7/10/2018 14:15	57892	191	47.75	26.7	6.7	15.6	15.85
MRW-7	7/25/2018 14:00	58185	293	73.25	19.5	4.9	16.1	18.1
MRW-7	8/8/2018 10:45	58470	285	71.25	20.6	5.1	16.9	17.18
MRW-7	8/16/2018 12:05	58637	167	41.75	20.7	5.2	17.25	17.52
MRW-7	9/4/2018 10:18	59029	392	98	20.7	5.2	17.15	17.38
MRW-7	10/12/2018 11:10	59402	373	93.25	9.8	2.5	13.56	23.85
MRW-7	10/22/2018 10:40	59419	17	4.25	1.7	0.4	15.9	16.08
MRW-7	10/29/2018 10:53	59632	213	53.25	30.4	7.6	15.69	15.94
MRW-7	5/7/2019 10:30	59632	0	0	0.0	0.0	12.71	25.02
MRW-7	5/7/2019 17:35	59732	100	25	338.8	84.7	15.57	15.82
MRW-7	5/14/2019 11:20	60094	362	90.5	53.7	13.4	15.1	15.33
MRW-7	5/22/2019 15:45	60476	382	95.5	46.7	11.7	14.36	14.65
MRW-7	5/28/2019 10:45	60595	119	29.75	20.5	5.1	13.69	15.76
MRW-7	6/7/2019 8:00	60702	107	26.75	10.8	2.7	14.24	14.48
MRW-7	6/13/2019 16:20	60848	146	36.5	23.0	5.8	14.53	14.76
MRW-7	7/3/2019 14:20	61304	456	114	22.9	5.7	14.82	15.08
MRW-7	7/16/2019 11:10	61516	212	53	16.5	4.1	15.72	16.01
MRW-7	7/25/2019 18:11	61696	180	45	19.4	4.8	16.28	16.57
MRW-7	8/1/2019 14:00	61836	140	35	20.5	5.1	16.43	16.67
MRW-7	8/5/2019 11:00	61913	77	19.25	19.9	5.0	16.51	16.78
MRW-7	8/28/2019 14:28	62313	400	100	17.3	4.3	17.03	17.32
MRW-7	9/12/2019 10:45	62605	292	73	19.7	4.9	16.76	16.92
MRW-7	9/25/2019 10:35	62847	242	60.5	18.6	4.7	16.22	16.44
MRW-7	10/4/2019 10:00	63028	181	45.25	20.2	5.0	15.6	15.82
MRW-7	10/8/2019 10:40	63082	235	58.75	18.1	4.5	15.18	15.41
MRW-7	10/21/2019 11:45	63320	238	59.5	18.2	4.6		
MRW-7	10/29/2019 11:00	63481	161	40.25	20.2	5.1	14.92	15.12
MRW-7	4/21/2020 14:00	63484	3	0.75	0.0	0.0	11.2	24.88
MRW-7	4/21/2020 16:00	63514	30	7.5	360.0	90.0	12.29	22.82
MRW-7	4/21/2020 16:45	63559	45	11.25	1440.0	360.0	13.78	17.8
MRW-7	4/21/2020 17:30	63581	22	5.5	704.0	176.0	--	14.42
MRW-7	4/22/2020 8:30	63581	0	0	0.0	0.0	13.65	16.27
MRW-7	4/22/2020 12:00	63596	15	3.75	102.9	25.7	14.16	14.42
MRW-7	4/30/2020 12:00	63872	276	69	34.5	8.6	14.16	14.38
MRW-7	5/11/2020 12:50	64145	273	68.25	24.7	6.2	14.40	14.68
MRW-7	5/20/2020 12:00	64418	273	68.25	30.5	7.6	14.75	15.30
MRW-7	5/28/2020 14:43	64594	176	44	21.7	5.4	14.57	14.83
MRW-7	6/2/2020 20:15	64729	135	33.75	25.8	6.5	14.76	14.99
MRW-7	6/11/2020 9:45	64917	188	47	22.0	5.5	15.25	16.00
MRW-7	6/22/2020 11:05	65121	204	51	18.5	4.6	15.73	16.75
MRW-7	7/6/2020 10:14	65339	218	54.5	15.6	3.9	16.30	16.78
MRW-7	7/20/2020 11:00	65555	216	54	15.4	3.8	15.94	16.16
MRW-7	7/28/2020 11:30	65680	125	31.25	15.6	3.9	15.80	16.27
MRW-7	8/12/2020 11:20	65893	213	53.25	14.2	3.6	15.76	16.00
MRW-7	8/25/2020 13:07	66083	190	47.5	14.5	3.6	16.21	16.56

Appendix E
Phase II System Cycle Counters

Well	Date/Time	Cycle Counter	Cycle Since Last Date	Gallons Since Last Date (gal)	Cycles per Day	Gallons per Day	DTP	DTW	
MRW-7	9/8/2020 12:05	66332		249	62.25	17.8	4.5	16.44	16.76
MRW-7	9/23/2020 16:30	66621		289	72.25	19.0	4.8	16.80	17.10
MRW-7	10/7/2020 10:40	66925		304	76	22.1	5.5	17.13	17.41
MRW-7	10/20/2020 15:20	67164		239	59.75	18.1	4.5	17.01	17.25
MRW-7	4/28/2021 11:46	67164		0	0	0.0	0.0	13.01	24.74
MRW-7	4/28/2021 15:15	67200		36	9	248.0	62.0	14.37	21.61
MRW-7	4/28/2021 16:39	67253		53	13.25	908.6	227.1	15.65	15.90
MRW-7	4/29/2021 9:15	67308		55	13.75	79.5	19.9	15.57	15.81
MRW-7	5/6/2021 11:50	67810		502	125.5	70.6	17.7	15.80	16.08
MRW-7	5/13/2021 12:35	68251		441	110.25	62.7	15.7	16.11	16.37
MRW-7	5/19/2021 12:16	68476		225	56.25	37.6	9.4	16.35	16.63
MRW-7	5/28/2021 8:00	68762		286	71.5	32.4	8.1	15.78	15.99
MRW-7	6/8/2021 11:50	69203		441	110.25	39.5	9.9	16.25	16.55
MRW-7	6/22/2021 13:30	69726		523	130.75	37.2	9.3	16.69	17.00
MRW-7	7/1/2021 12:30	69910		184	46	20.5	5.1	16.50	16.67
MRW-7	7/12/2021 12:15	70129		219	54.75	19.9	5.0	16.91	17.35
MRW-7	7/27/2021 11:04	70408		279	69.75	18.7	4.7	17.30	17.63
MRW-7	8/3/2021 11:00	70563		155	38.75	22.2	5.5	17.44	17.71
MRW-7	8/10/2021 11:15	70744		181	45.25	25.8	6.5	17.53	17.78
MRW-7	8/24/2021 12:05	71008		264	66	18.8	4.7	17.94	18.21
MRW-7	8/31/2021 13:40	71127		119	29.75	16.8	4.2	17.75	18.01
MRW-7	9/14/2021 12:25	71354		227	56.75	16.3	4.1	17.95	18.18
MRW-7	9/28/2021 12:43	71593		239	59.75	17.1	4.3	17.64	17.91
MRW-7	10/5/2021 16:32	71742		149	37.25	20.8	5.2	17.62	17.91
MRW-7	10/19/2021 12:12	71975		233	58.25	16.9	4.2	17.59	17.81
MRW-7	10/28/2021 16:15	72092		117	29.25	12.8	3.2	17.72	18.00
MWM-3	5/14/2018 13:15	25597							
MWM-3	5/15/2018 8:20	25636		39	9.75	49.0	12.3	17.11	17.21
MWM-3	5/15/2018 11:20	25638		2	0.5	16.0	4.0	17.15	17.3
MWM-3	5/15/2018 16:30	25640		2	0.5	9.3	2.3	17.06	17.2
MWM-3	5/23/2018 10:50	25718		78	19.5	10.0	2.5	17.4	17.7
MWM-3	5/24/2018 8:30	25725		7	1.75	7.8	1.9	17.25	17.4
MWM-3	5/30/2018 17:30	25766		41	10.25	6.4	1.6		
MWM-3	6/8/2018 10:00	25820		54	13.5	6.2	1.6	16.44	16.46
MWM-3	6/12/2018 10:00	25843		23	5.75	5.8	1.4	16.47	16.65
MWM-3	6/19/2018 17:40	25885		42	10.5	5.7	1.4		
MWM-3	6/28/2018 10:25	25937		52	13	6.0	1.5		
MWM-3	7/3/2018 10:40	25962		25	6.25	5.0	1.2	15.85	16
MWM-3	7/10/2018 14:15	26002		40	10	5.6	1.4	16.2	16.35
MWM-3	7/25/2018 14:00	26070		68	17	4.5	1.1		
MWM-3	8/8/2018 10:45	26147		77	19.25	5.6	1.4	17.39	17.65
MWM-3	8/16/2018 12:05	26188		41	10.25	5.1	1.3		
MWM-3	9/4/2018 10:18	26268		80	20	4.2	1.1		
MWM-3	10/12/2018 11:10	26337		69	17.25	1.8	0.5		
MWM-3	10/22/2018 10:40	26363		26	6.5	2.6	0.7	16.5	16.57
MWM-3	10/29/2018 10:53	26432		69	17.25	9.8	2.5	16.34	16.44
MWM-3	5/7/2019 10:30	26434		2	0.5	0.0	0.0	12.93	24.5
MWM-3	5/7/2019 17:35	26833		399	99.75	1351.9	338.0	16.75	19.08
MWM-3	5/14/2019 11:20	37020		10187	2546.75	1511.5	377.9	16.06	19.55
MWM-3	5/22/2019 15:45	48474		11454	2863.5	1399.6	349.9	15.67	16.58
MWM-3	5/28/2019 10:45	53623		5149	1287.25	889.0	222.3	13.85	17.6
MWM-3	6/7/2019 8:00	53634		11	2.75	1.1	0.3		
MWM-3	6/13/2019 16:20	53660		26	6.5	4.1	1.0		
MWM-3	7/3/2019 14:20	53739		79	19.75	4.0	1.0	15.4	15.55
MWM-3	7/16/2019 11:10	53787		48	12	3.7	0.9	16.1	16.17
MWM-3	7/25/2019 18:11	53821		34	8.5	3.7	0.9		

Appendix E
Phase II System Cycle Counters

Well	Date/Time	Cycle Counter	Cycle Since Last Date	Gallons Since Last Date (gal)	Cycles per Day	Gallons per Day	DTP	DTW
MWM-3	8/1/2019 14:00	53843		22	5.5	3.2	0.8	
MWM-3	8/5/2019 11:00	53855		12	3	3.1	0.8	17.04 17.21
MWM-3	8/28/2019 14:28	53914		59	14.75	2.5	0.6	17.55 17.69
MWM-3	9/12/2019 10:45	54047		133	33.25	9.0	2.2	17.2 17.37
MWM-3	9/25/2019 10:35	54089		42	10.5	3.2	0.8	16.69 16.83
MWM-3	10/4/2019 10:00	54089		0	0	0.0	0.0	16.11 16.28
MWM-3	10/4/2019 12:15	30558						
MWM-3	10/8/2019 10:45	30565		7	1.75	1.8	0.4	
MWM-3	10/21/2019 11:45	30604		39	9.75	3.0	0.7	
MWM-3	10/29/2019 11:00	30622		18	4.5	2.3	0.6	15.56 15.68
MWM-3	4/21/2020 14:00	30625		3	0.75	0.0	0.0	
MWM-3	4/21/2020 16:00	30654		29	7.25	348.0	87.0	
MWM-3	4/21/2020 16:45	30706		52	13	1664.0	416.0	
MWM-3	4/21/2020 17:30	30723		17	4.25	544.0	136.0	
MWM-3	4/22/2020 8:30	30732		9	2.25	14.4	3.6	
MWM-3	4/22/2020 12:00	30734		2	0.5	13.7	3.4	
MWM-3	4/30/2020 12:00	30797		63	15.75	7.9	2.0	14.91 15.03
MWM-3	5/11/2020 12:50	30851		54	13.5	4.9	1.2	15.21 15.27
MWM-3	5/20/2020 12:00	30891		40	10	4.5	1.1	15.5 15.94
MWM-3	5/28/2020 14:43	30933		42	10.5	5.2	1.3	15.38 153.46
MWM-3	6/2/2020 20:15	30954		21	5.25	4.0	1.0	15.62 15.65
MWM-3	6/11/2020 9:45	30987		33	8.25	3.9	1.0	15.94 16.65
MWM-3	6/22/2020 11:05	31024		37	9.25	3.3	0.8	16.55 16.84
MWM-3	7/6/2020 10:14	31073		49	12.25	3.5	0.9	16.91 17.49
MWM-3	7/20/2020 11:00	31125		52	13	3.7	0.9	16.66 16.73
MWM-3	7/28/2020 11:30	31150		25	6.25	3.1	0.8	16.47 16.58
MWM-3	8/12/2020 11:20	31198		48	12	3.2	0.8	16.53 16.62
MWM-3	8/25/2020 13:07	31235		37	9.25	2.8	0.7	16.81 17.23
MWM-3	9/8/2020 12:05	31281		46	11.5	3.3	0.8	17.16 17.22
MWM-3	9/23/2020 16:30	31325		44	11	2.9	0.7	17.53 17.60
MWM-3	10/7/2020 10:40	31365		40	10	2.9	0.7	17.75 17.84
MWM-3	10/20/2020 15:20	31397		32	8	2.4	0.6	17.65 17.81
MWM-3	4/28/2021 11:46	31397		0	0	0.0	0.0	13.33 21.00
MWM-3	4/28/2021 15:15	31435		38	9.5	261.8	65.5	15.06 21.00
MWM-3	4/28/2021 16:39	31441		6	1.5	102.9	25.7	15.06 20.00
MWM-3	4/29/2021 9:15	31492		51	12.75	73.7	18.4	16.13 16.22
MWM-3	5/6/2021 11:50	31492		0	0	0.0	0.0	15.53
MWM-3	5/13/2021 12:35	31547		55	13.75	7.8	2.0	16.74 16.85
MWM-3	5/19/2021 12:16	31566		19	4.75	3.2	0.8	16.85 16.93
MWM-3	5/28/2021 8:00	31597		31	7.75	3.5	0.9	
MWM-3	6/8/2021 11:50	31634		37	9.25	3.3	0.8	16.98 17.08
MWM-3	6/22/2021 13:30	31678		44	11	3.1	0.8	16.35 16.64
MWM-3	7/1/2021 12:30	31701		23	5.75	2.6	0.6	16.11 16.25
MWM-3	7/12/2021 12:15	31734		33	8.25	3.0	0.8	17.59 17.88
MWM-3	7/27/2021 11:04	31781		47	11.75	3.1	0.8	17.97 18.12
MWM-3	8/3/2021 11:00	31798		17	4.25	2.4	0.6	
MWM-3	8/10/2021 11:15	31814		16	4	2.3	0.6	18.14 18.39
MWM-3	8/24/2021 12:05	31860		46	11.5	3.3	0.8	18.55 18.75
MWM-3	8/31/2021 13:40	31880		20	5	2.8	0.7	18.35 18.49
MWM-3	9/14/2021 12:25	31912		32	8	2.3	0.6	18.6 18.69
MWM-3	9/28/2021 12:43	31955		43	10.75	3.1	0.8	18.34 18.36
MWM-3	10/5/2021 16:32	31973		18	4.5	2.5	0.6	18.22 18.35
MWM-3	10/19/2021 12:16	32007		34	8.5	2.5	0.6	18.29 18.33
MWM-3	10/28/2021 16:15	32032		25	6.25	2.7	0.7	18.41 18.45
MRW-8	5/14/2018 13:15	42326						17.38 19.38
MRW-8	5/15/2018 8:20	42439		113	28.25	142.1	35.5	16.41 16.64

Appendix E
Phase II System Cycle Counters

Well	Date/Time	Cycle Counter	Cycle Since Last Date	Gallons Since Last Date (gal)	Cycles per Day	Gallons per Day	DTP	DTW
MRW-8	5/15/2018 11:20	42446	7	1.75	56.0	14.0	16.42	16.7
MRW-8	5/15/2018 16:30	42458	12	3	55.7	13.9	16.4	16.63
MRW-8	5/23/2018 10:50	42760	302	75.5	38.9	9.7	16.5	16.78
MRW-8	5/24/2018 8:30	42789	29	7.25	32.1	8.0	16.46	16.7
MRW-8	5/30/2018 17:30	42991	202	50.5	31.7	7.9	16.06	16.28
MRW-8	6/8/2018 10:00	43253	262	65.5	30.2	7.5	15.78	15.86
MRW-8	6/12/2018 10:00	43356	103	25.75	25.8	6.4	15.67	15.92
MRW-8	6/19/2018 17:40	43557	201	50.25	27.5	6.9	14.81	14.98
MRW-8	6/28/2018 10:25	43759	202	50.5	23.2	5.8	15.18	17.2
MRW-8	7/3/2018 10:40	43902	143	35.75	28.5	7.1	15.09	15.35
MRW-8	7/10/2018 14:15	44070	168	42	23.5	5.9	15.3	15.58
MRW-8	7/25/2018 14:00	44362	292	73	19.5	4.9	15.75	17.38
MRW-8	8/8/2018 10:45	44624	262	65.5	18.9	4.7	16.45	16.72
MRW-8	8/16/2018 12:05	44762	138	34.5	17.1	4.3	16.73	17
MRW-8	9/4/2018 10:18	45043	281	70.25	14.8	3.7	16.66	16.84
MRW-8	10/12/2018 11:10	45258	215	53.75	5.7	1.4	13.23	23.78
MRW-8	10/22/2018 10:40	45278	20	5	2.0	0.5	16.24	16.44
MRW-8	10/29/2018 10:53	45509	231	57.75	33.0	8.2	15.35	15.54
MRW-8	5/7/2019 10:30	45513	4	1	0.0	0.0	12.43	25.08
MRW-8	5/7/2019 17:35	45627	114	28.5	386.3	96.6	16.11	16.46
MRW-8	5/14/2019 11:20	46073	446	111.5	66.2	16.5	15.3	15.31
MRW-8	5/22/2019 15:45	46288	215	53.75	26.3	6.6	14.28	14.56
MRW-8	5/28/2019 10:45	46386	98	24.5	16.9	4.2	12.19	19.53
MRW-8	6/7/2019 8:00	46593	207	51.75	20.9	5.2	14.08	14.34
MRW-8	6/13/2019 16:20	46769	176	44	27.7	6.9	14.28	14.55
MRW-8	7/3/2019 14:20	47209	440	110	22.1	5.5	14.58	14.75
MRW-8	7/16/2019 11:10	47434	225	56.25	17.5	4.4	15.52	15.9
MRW-8	7/25/2019 18:11	47582	148	37	15.9	4.0	15.8	16.03
MRW-8	8/1/2019 14:00	47688	106	26.5	15.5	3.9	15.95	16.11
MRW-8	8/5/2019 11:00	47743	55	13.75	14.2	3.5	16.02	16.24
MRW-8	8/28/2019 14:28	47997	254	63.5	11.0	2.7	16.95	17.09
MRW-8	9/12/2019 10:45	48211	214	53.5	14.4	3.6	16.26	16.45
MRW-8	9/25/2019 10:35	48398	187	46.75	14.4	3.6	16.80533	16.9093
MRW-8	10/4/2019 10:00	48526	128	32	14.3	3.6	15.25	15.49
MRW-8	10/8/2019 10:50	48577	179	44.75	13.8	3.4	14.81	15.03
MRW-8	10/21/2019 12:12	48766	189	47.25	14.5	3.6		
MRW-8	10/29/2019	48912	146	36.5	18.4	4.6	14.45	14.65
MRW-8	4/21/2020 14:00	48914	2	0.5	0.0	0.0	10.91	24.07
MRW-8	4/21/2020 16:00	48934	20	5	240.0	60.0	13.08	23.62
MRW-8	4/21/2020 16:45	48988	54	13.5	1728.0	432.0	14.48	21.29
MRW-8	4/21/2020 17:30	49012	24	6	768.0	192.0	15.40	18.27
MRW-8	4/22/2020 8:30	49260	248	62	396.8	99.2	15.13	15.14
MRW-8	4/22/2020 12:00	49269	9	2.25	61.7	15.4	14.20	14.32
MRW-8	4/30/2020 12:00	49508	239	59.75	29.9	7.5	13.93	14.18
MRW-8	5/11/2020 12:50	49752	244	61	22.1	5.5	14.09	14.36
MRW-8	5/20/2020 12:00	49922	170	42.5	19.0	4.7	14.40	14.89
MRW-8	5/28/2020 14:43	50075	153	38.25	18.9	4.7	14.37	14.63
MRW-8	6/2/2020 20:15	50167	92	23.00	17.6	4.4	15.28	16.00
MRW-8	6/11/2020 9:45	50317	150	37.5	17.5	4.4	14.95	15.18
MRW-8	6/22/2020 11:05	50464	147	36.75	13.3	3.3	15.38	15.70
MRW-8	7/6/2020 10:14	50634	170	42.5	12.2	3.0	15.81	16.13
MRW-8	7/20/2020 11:00	50817	183	45.75	13.0	3.3	15.47	15.73
MRW-8	7/28/2020 11:30	50914	97	24.25	12.1	3.0	15.32	15.60
MRW-8	8/12/2020 11:20	51074	160	40.00	10.7	2.7	15.32	15.59
MRW-8	8/25/2020 13:07	51203	129	32.25	9.9	2.5	15.66	15.94
MRW-8	9/8/2020 12:05	51336	133	33.25	9.5	2.4	15.83	16.10
MRW-8	9/23/2020 16:30	51479	143	35.75	9.4	2.4	16.21	16.50

Appendix E
Phase II System Cycle Counters

Well	Date/Time	Cycle Counter	Cycle Since Last Date	Gallons Since Last Date (gal)	Cycles per Day	Gallons per Day	DTP	DTW
MRW-8	10/7/2020 10:40	51605	126	31.50	9.2	2.3	16.50	16.82
MRW-8	10/20/2020 15:20	51733	128	32.00	9.7	2.4	16.47	16.73
MRW-8	4/28/2021 11:46	51733	0	0.00	0.0	0.0	12.82	24.36
MRW-8	4/28/2021 15:15	51760	27	6.75	186.0	46.5	14.84	23.62
MRW-8	4/28/2021 16:39	51808	48	12.00	822.9	205.7	16.35	21.42
MRW-8	4/29/2021 9:15	51990	182	45.50	263.1	65.8	16.21	16.22
MRW-8	5/6/2021 11:50	52208	218	54.50	30.7	7.7	15.62	15.88
MRW-8	5/13/2021 12:35	52367	159	39.75	22.6	5.7	15.86	16.12
MRW-8	5/19/2021 12:16	52480	113	28.25	18.9	4.7	15.99	16.28
MRW-8	5/28/2021 8:00	52664	184	46.00	20.9	5.2	15.55	15.80
MRW-8	6/8/2021 11:50	52842	178	44.50	16.0	4.0	15.88	16.18
MRW-8	6/22/2021 13:30	53030	188	47.00	13.4	3.3	16.32	16.61
MRW-8	7/1/2021 12:30	53150	120	30.00	13.4	3.3	16.07	16.30
MRW-8	7/12/2021 12:15	53269	119	29.75	10.8	2.7	16.42	16.73
MRW-8	7/27/2021 11:04	53414	145	36.25	9.7	2.4	16.79	17.07
MRW-8	8/3/2021 11:00	53485	71	17.75	10.1	2.5	16.89	17.15
MRW-8	8/10/2021 11:15	53546	61	15.25	8.7	2.2	16.96	17.25
MRW-8	8/24/2021 12:05	53661	115	28.75	8.2	2.0	17.32	17.60
MRW-8	8/31/2021 13:40	53725	64	16.00	9.1	2.3	17.20	17.45
MRW-8	9/14/2021 12:25	53838	113	28.25	8.1	2.0	17.32	17.59
MRW-8	9/28/2021 12:43	53961	123	30.75	8.8	2.2	17.11	17.33
MRW-8	10/5/2021 16:32	54022	61	15.25	8.5	2.1	17.10	17.38
MRW-8	10/19/2021 12:21	54140	118	29.50	8.5	2.1	17.09	17.31
MRW-8	10/28/2021 16:15	54215	75	18.75	8.2	2.0	17.19	17.45

Appendix F – Well Abandonment Forms 3300-005

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information			2. Facility / Owner Information		
County <i>Douglas</i>	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name <i>Superior Terminal - BF</i>		
Latitude / Longitude (Degrees and Minutes) <i>46.43.593 N</i> <i>92.07.262 W</i>		Method Code (see instructions) <i>SCR002</i>	Facility ID (FID or PWS) _____		
1/4 1/2 NE or Gov't Lot #	1/4 SE	Section <i>16</i>	Township <i>49 N</i>	Range <i>14</i>	License/Permit/Monitoring # _____
Well Street Address <i>2929 Harbor Lane</i>		Original Well Owner <i>BP Products North America Inc</i>			
Well City, Village or Town <i>Superior</i>		Well ZIP Code <i>54880</i>		Present Well Owner <i>Same</i>	
Subdivision Name _____		Lot # _____		City of Present Owner <i>Houston</i>	State <i>TX</i>
Reason For Removal From Service <i>Redevelopment</i>		WI Unique Well # of Replacement Well _____			

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material	
<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <i>12/11/1989</i>	Pump and piping removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Liner(s) removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Borehole / Drillhole		Screen removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Construction Type:		Casing left in place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<input type="checkbox"/> Other (specify): _____		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Formation Type:		Did material settle after 24 hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	If yes, was hole retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) <i>45</i>	Casing Diameter (in.) <i>6"</i>	If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) <i>15</i>	Casing Depth (ft.) <i>17</i>	Required Method of Placing Sealing Material	
Was well annular space grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) <i>18</i>	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If yes, to what depth (feet)? <i>Surface</i>		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain): _____	

5. Material Used To Fill Well / Drillhole		For Monitoring Wells and Monitoring Well Boreholes Only:	
From (ft.) <i>Surface</i>	To (ft.) <i>45</i>	<input checked="" type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
		<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry
		Sealing Materials	
		<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry "
		<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite Chips
		No. Yards, Sacks, Sealant or Volume (circle one)	
		<i>Surface</i> <i>45</i> <i>10</i>	
		Mix Ratio or Mud Weight	

6. Comments

RW-6

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Berenson-Carrill Inc</i>	License # <i>7444</i>	Date of Filling & Sealing (mm/dd/yyyy) <i>08/31/2011</i>	Date Received	Noted By
Street or Route <i>5115 Industrial Street</i>		Telephone Number <i>(763) 479-3121</i>	Comments	
City <i>Maple Plain</i>	State <i>MN</i>	ZIP Code <i>55359</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>9/10/11</i>

Well / Drillhole / Borehole Filling & Sealing

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water Watershed/Wastewater Remediation/Redevelopment

Waste Management Other: _____

1. Well Location Information			2. Facility / Owner Information		
County <i>Douglas</i>	WI Unique Well # of Removed Well	Hicap #	Facility Name <i>Superior Terminal - BF</i>		
Latitude / Longitude (Degrees and Minutes) <i>46° 43' 6.11" N</i> <i>92° 07' 30.5" W</i>		Method Code (see instructions) <i>SCR 002</i>	Facility ID (FID or PWS)		
Well Street Address <i>2929 Harbor Lane</i>		Section <i>16</i>	Township <i>49 N</i>	Range <i>14</i>	License/Permit/Monitoring #
Well City, Village or Town <i>Superior</i>		Well ZIP Code <i>54880</i>		Original Well Owner <i>BP Products North America Inc</i>	
Subdivision Name		Lot #		Present Well Owner <i>Same</i>	
Reason For Removal From Service <i>Redevelopment</i>		WI Unique Well # of Replacement Well		Mailing Address of Present Owner <i>201 Helios Way, FL6</i>	
3. Well / Drillhole / Borehole Information		Original Construction Date (mm/dd/yyyy) <i>06/24/2011</i>		City of Present Owner <i>Houston</i>	
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		If a Well Construction Report is available, please attach.		State <i>TX</i>	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____		Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		ZIP Code <i>77079</i>	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped

Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials

Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)

Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "

Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout

Granular Bentonite Bentonite - Sand Slurry

Total Well Depth From Ground Surface (ft.) *35*

Casing Diameter (in.) *4*

Lower Drillhole Diameter (in.) *10"*

Casing Depth (ft.) *15*

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? *Surface*

Depth to Water (feet) *18*

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
<i>Bentonite Chips</i>	<i>Surface</i>	<i>35</i>	<i>4</i>	

6. Comments

EW 10

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing <i>Bergeson-Carroll Inc</i>	License # <i>7444</i>	Date of Filling & Sealing (mm/dd/yyyy) <i>08/31/2011</i>	Date Received	Noted By
Street or Route <i>5115 Industrial Street</i>		Telephone Number <i>(763) 479-3121</i>	Comments	
City <i>Maple Plain</i>	State <i>MN</i>	ZIP Code <i>55359</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>9/10/11</i>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water

Watershed/Wastewater

Remediation/Redevelopment

Waste Management

Other: _____

1. Well Location Information

County <i>Douglas</i>	WI Unique Well # of Removed Well _____	Hicap # _____
Latitude / Longitude (Degrees and Minutes) <i>46.43.625 N</i> <i>92.07.333 W</i>		Method Code (see instructions) <i>SCR002</i>
1/4 1/2 3/4 NE or Gov't Lot # <i>SE</i>	Section <i>16</i>	Township <i>49 N</i>
		Range <i>14</i>
		<input type="checkbox"/> E <input checked="" type="checkbox"/> W
Well Street Address <i>2929 Harbor Lane</i>		
Well City, Village or Town <i>Superior</i>		Well ZIP Code <i>54880</i>
Subdivision Name _____		Lot # _____

2. Facility / Owner Information

Facility Name <i>Superior Terminal - BF</i>
Facility ID (FID or PWS) _____
License/Permit/Monitoring # _____
Original Well Owner <i>BP Products North America Inc</i>
Present Well Owner <i>Same</i>
Mailing Address of Present Owner <i>201 Helios Way, FLG</i>
City of Present Owner <i>Houston</i>
State <i>TX</i>
ZIP Code <i>77079</i>

Reason For Removal From Service <i>Redevelopment</i>	WI Unique Well # of Replacement Well _____
---	---

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <i>07/08/2011</i>
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.
<input type="checkbox"/> Borehole / Drillhole	

Construction Type:

Drilled Driven (Sandpoint) Dug

Other (specify): _____

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.) <i>35</i>	Casing Diameter (in.) <i>4"</i>
Lower Drillhole Diameter (in.) <i>10</i>	Casing Depth (ft.) <i>15</i>

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? *Surface*

Depth to Water (feet)
18

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped

Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials

Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)

Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "

Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout

Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Bags Sealant or Volume (Circle one)	Mix Ratio or Mud Weight
<i>Bentonite Chips</i>	<i>Surface</i>	<i>35</i>	<i>4</i>	

6. Comments

EW-9

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing <i>Bergeson-Carrill Inc</i>	License # <i>7444</i>	Date of Filling & Sealing (mm/dd/yyyy) <i>08/31/2011</i>	DNR Use Only	
			Date Received	Noted By
Street or Route <i>5115 Industrial Street</i>		Telephone Number <i>(763) 479-3121</i>	Comments	
City <i>Maple Plain</i>	State <i>MN</i>	ZIP Code <i>55359</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>9/10/11</i>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:

Drinking Water

Watershed/Wastewater

Remediation/Redevelopment

Waste Management

Other: _____

1. Well Location Information

County <i>Douglas</i>	WI Unique Well # of Removed Well _____	Hicap # _____
Latitude / Longitude (Degrees and Minutes) <i>46° 43' 57.6" N</i> <i>92° 07' 26.1" W</i>		Method Code (see instructions) <i>SCR002</i>
1/4 or Gov't Lot # <i>1/4 NE</i>	Section <i>16</i>	Township <i>49 N</i>
Range <i>14</i>	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	
Well Street Address <i>2929 Harbor Lane</i>		
Well City, Village or Town <i>Superior</i>		Well ZIP Code <i>54880</i>
Subdivision Name _____		Lot # _____

2. Facility / Owner Information

Facility Name <i>Superior Terminal - BF</i>
Facility ID (FID or PWS) _____
License/Permit/Monitoring # _____
Original Well Owner <i>BP Products North America Inc</i>
Present Well Owner <i>Same</i>
Mailing Address of Present Owner <i>201 Helios Way, FL6</i>
City of Present Owner <i>Houston</i>
State <i>TX</i>
ZIP Code <i>77079</i>

Reason For Removal From Service
Redevelopment

WI Unique Well # of Replacement Well

3. Well / Drillhole / Borehole Information

<input checked="" type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) <i>06/23/1989</i>
<input type="checkbox"/> Water Well	
<input type="checkbox"/> Borehole / Drillhole	
If a Well Construction Report is available, please attach. _____	
Construction Type: <input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input type="checkbox"/> Other (specify): _____	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Screen removed?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Casing left in place?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Was casing cut off below surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.)
25

Casing Diameter (in.)
2

Lower Drillhole Diameter (in.)
8

Casing Depth (ft.)
15

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)?
Surface

Depth to Water (feet)
19

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials

Neat Cement Grout Clay-Sand Slurry (11 lb./gal. wt.)
 Sand-Cement (Concrete) Grout Bentonite-Sand Slurry " "
 Concrete Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Surface			
<i>Bentonite Chips</i>	<i>Surface</i>	<i>Sacks 25</i>	<i>2/3</i>

6. Comments

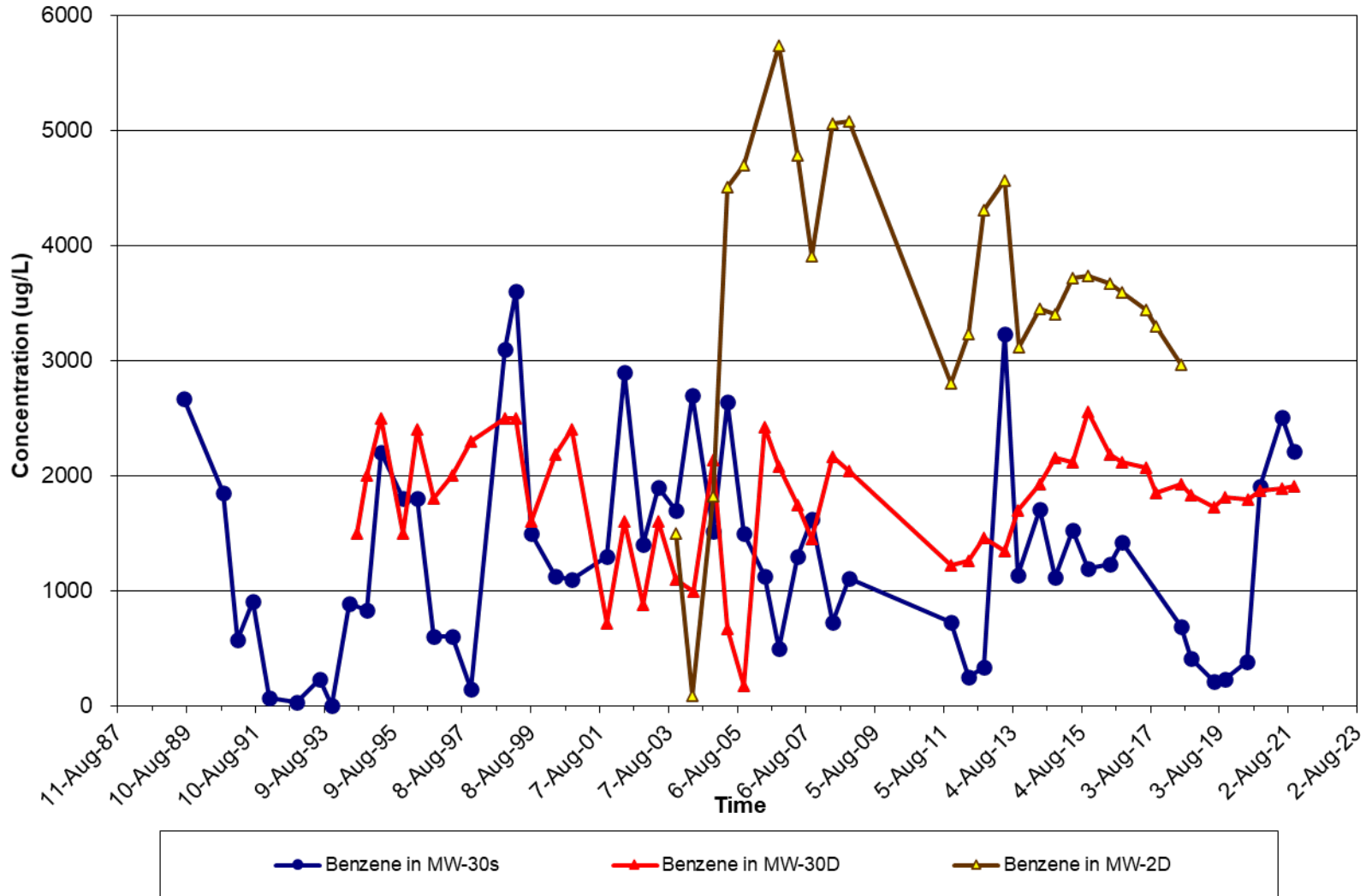
MW-23

7. Supervision of Work

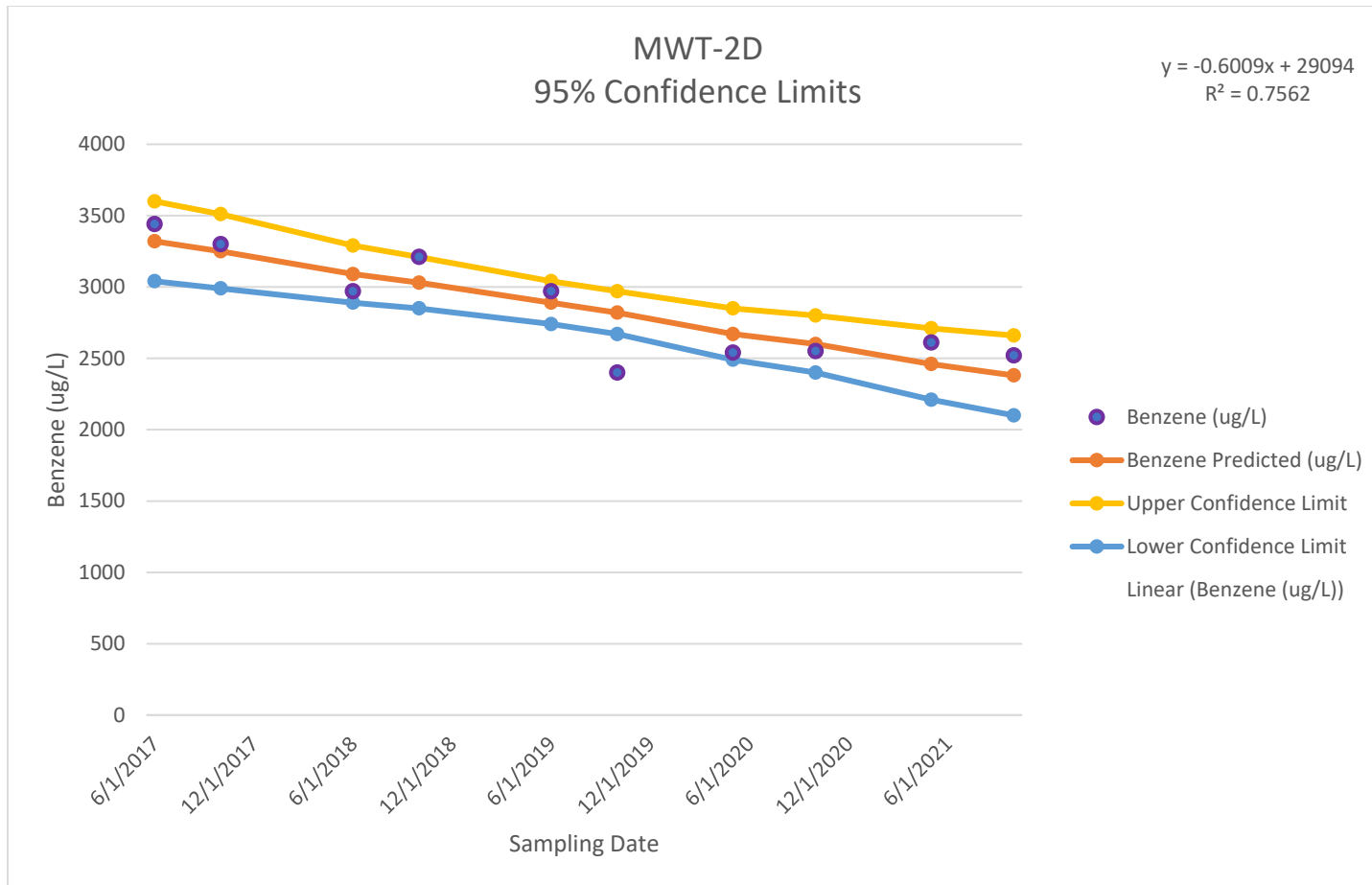
Name of Person or Firm Doing Filling & Sealing <i>Berenson-Carrwell Inc</i>	License # <i>7444</i>	Date of Filling & Sealing (mm/dd/yyyy) <i>05/31/2011</i>	DNR Use Only	
Street or Route <i>5115 Industrial Street</i>			Date Received	Noted By
City <i>Maple Plain</i>			Telephone Number <i>(763) 479-3121</i>	Comments
State <i>MN</i>	ZIP Code <i>55359</i>	Signature of Person Doing Work <i>[Signature]</i>	Date Signed <i>9/10/11</i>	

Appendix G – Groundwater Analytical Statistical Analysis

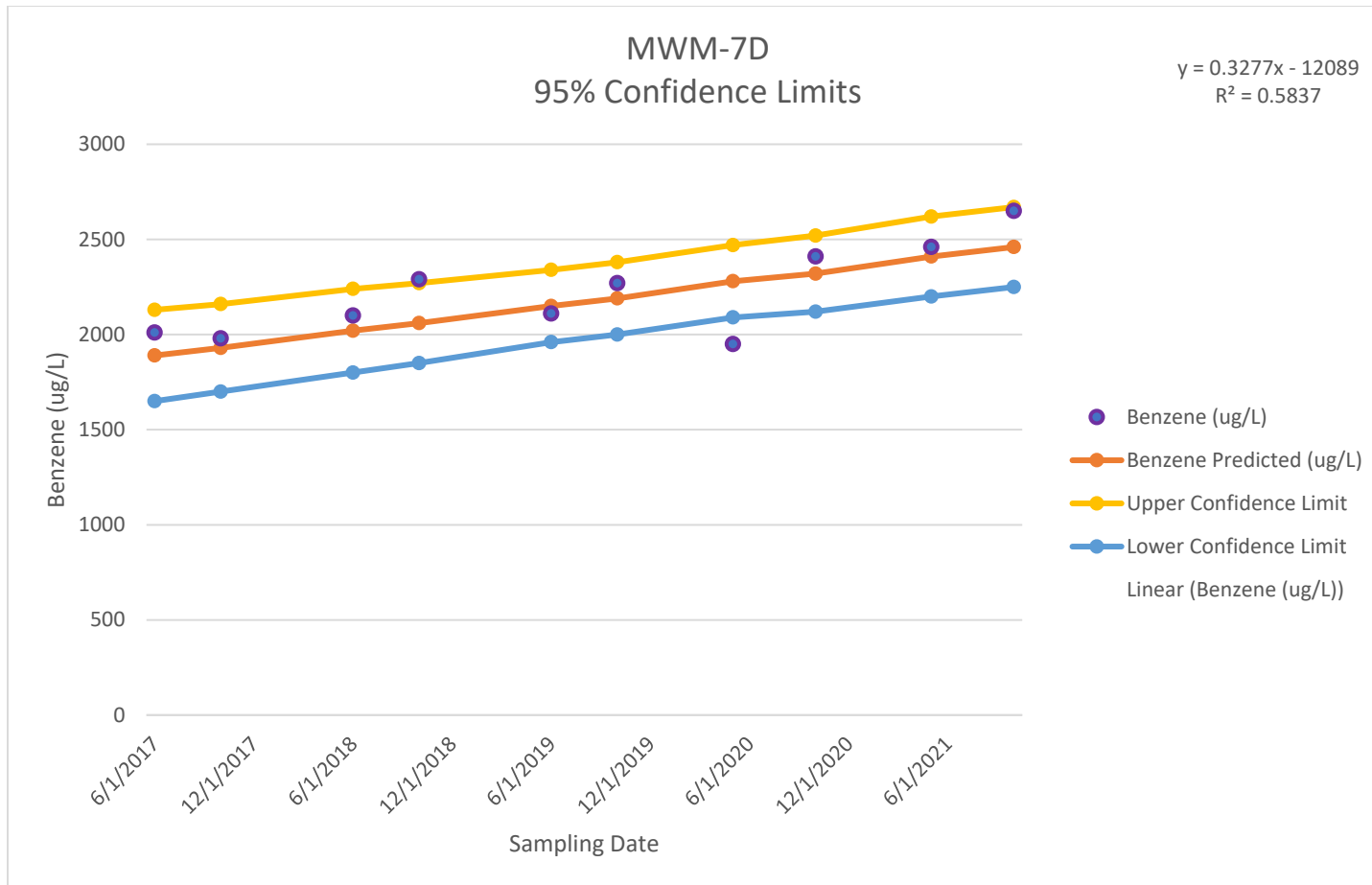
MW-30S, MW-30D, and MW-2D Benzene Concentrations versus Time



Graphs of Benzene Concentrations for Monitor Wells MWT-2D, MW-30S and MW-30D



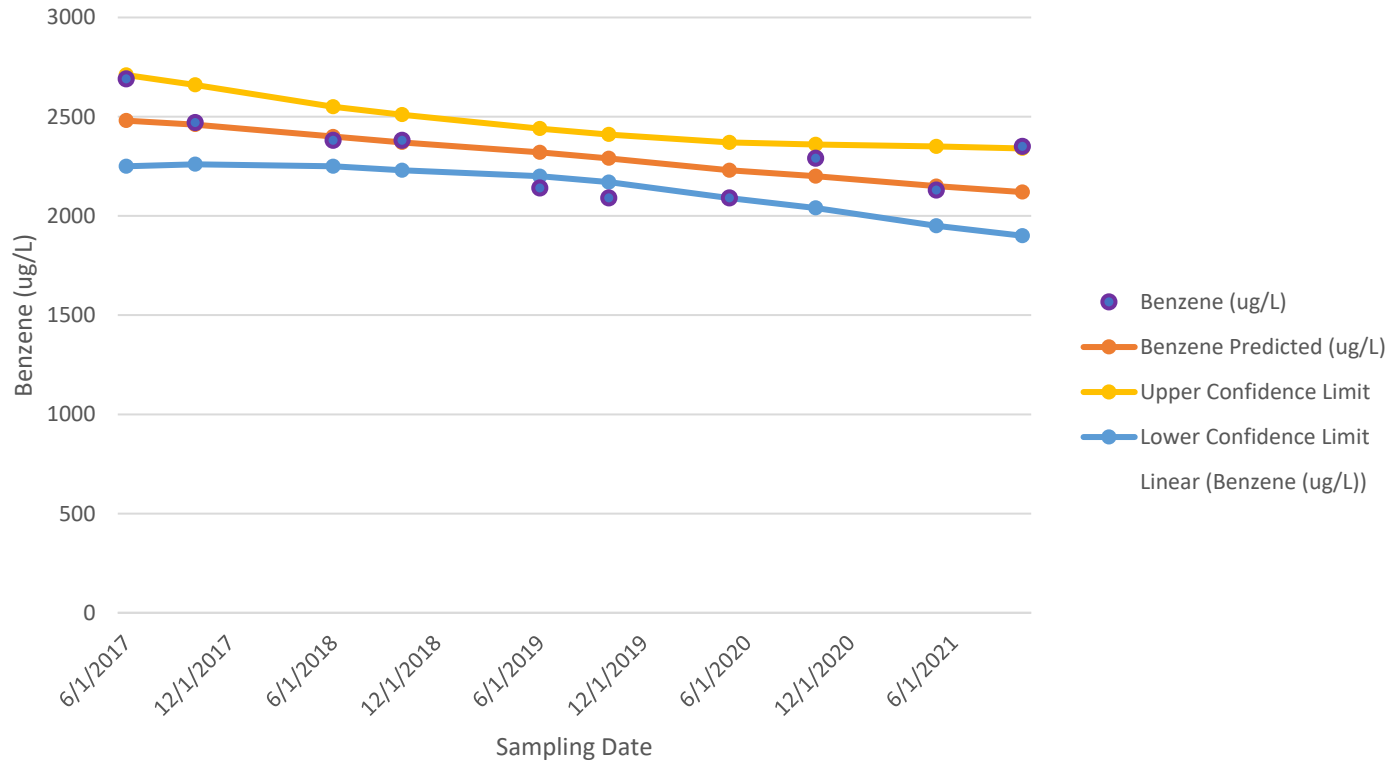
Graph of Benzene Concentrations for MWT-2D with 95% Confidence Interval



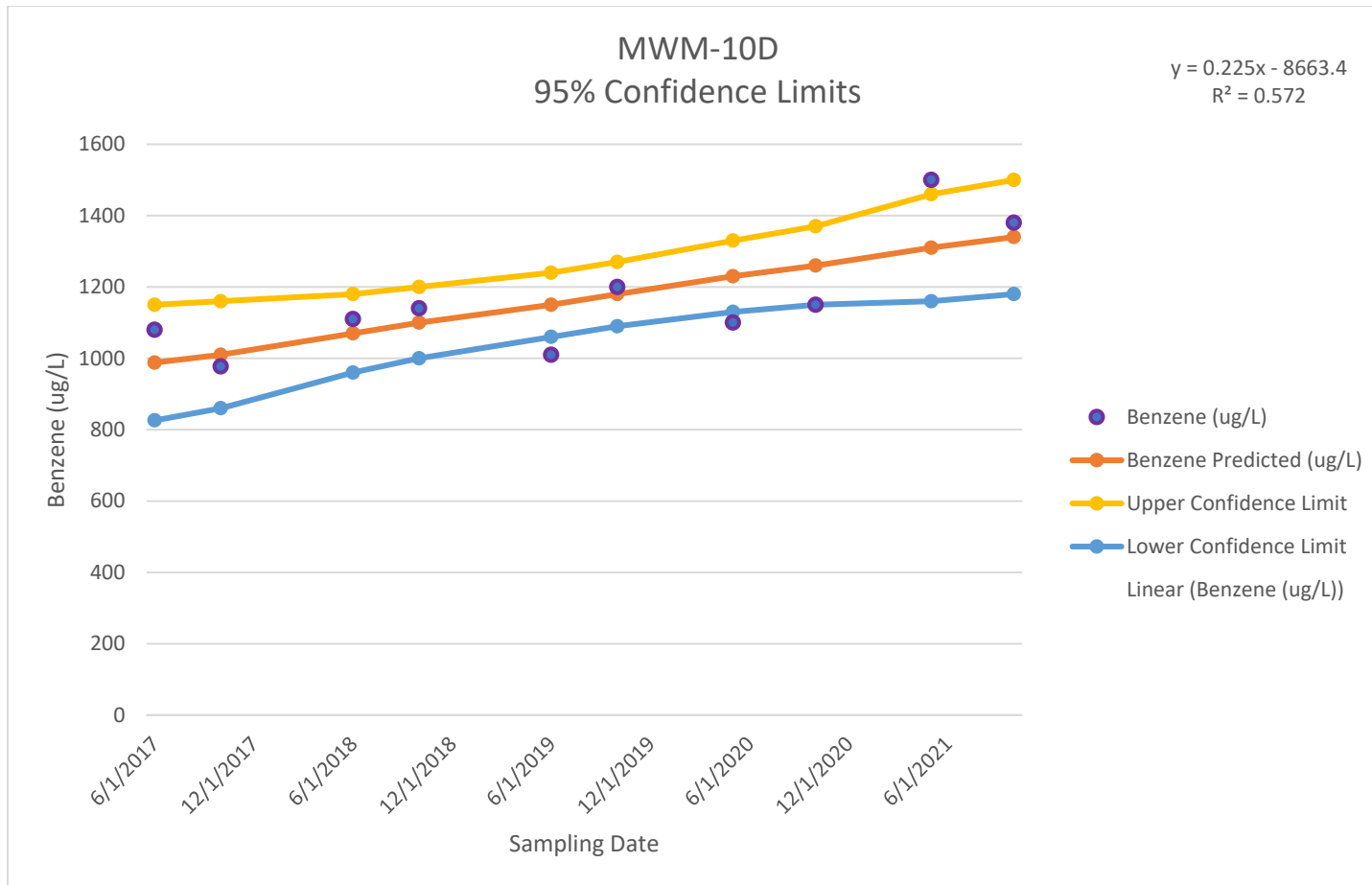
Graph of Benzene Concentrations for MW-7D with 95% Confidence Interval

MWM-9RD 95% Confidence Limits

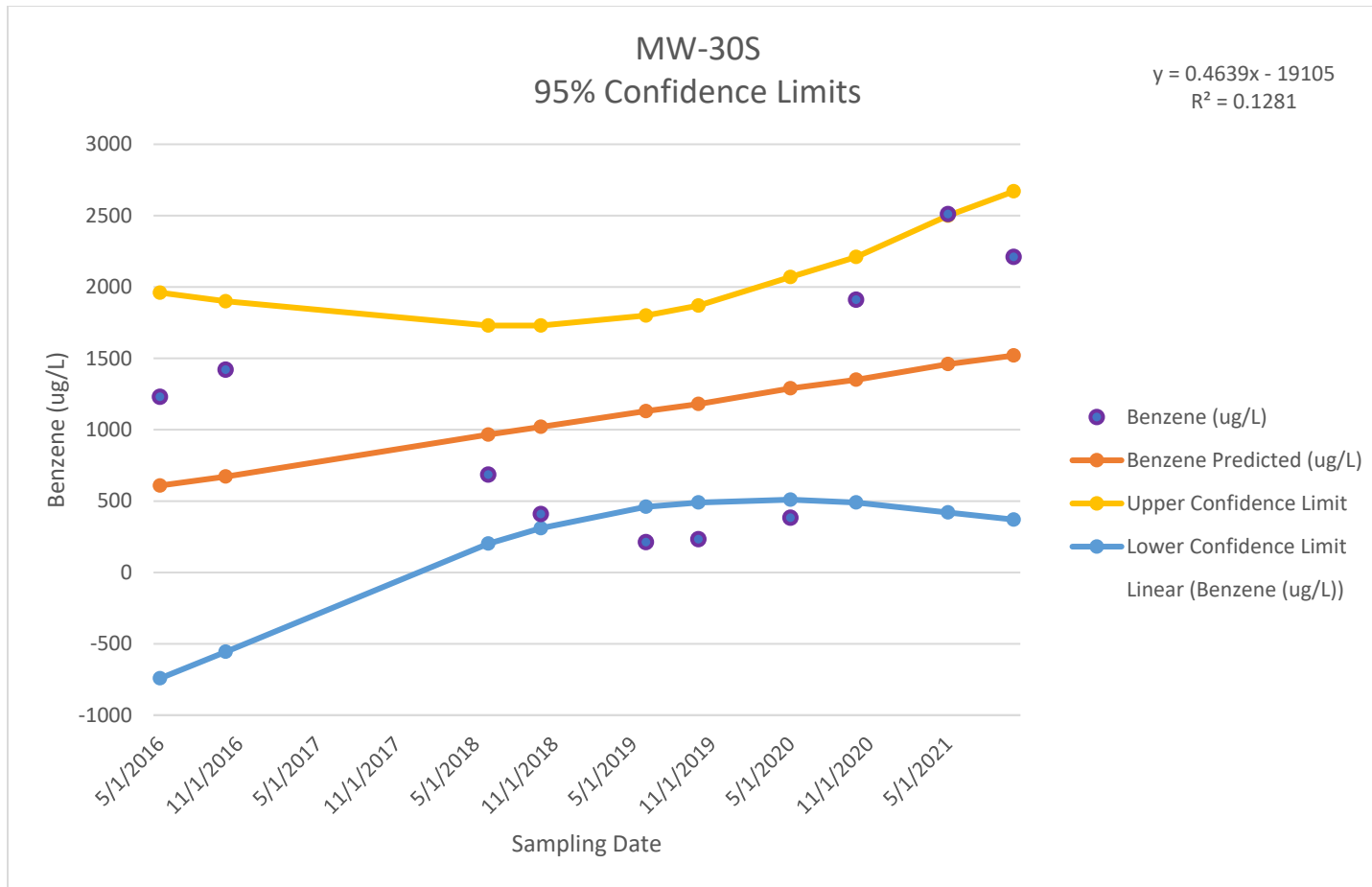
$$y = -0.2321x + 12438$$
$$R^2 = 0.4206$$



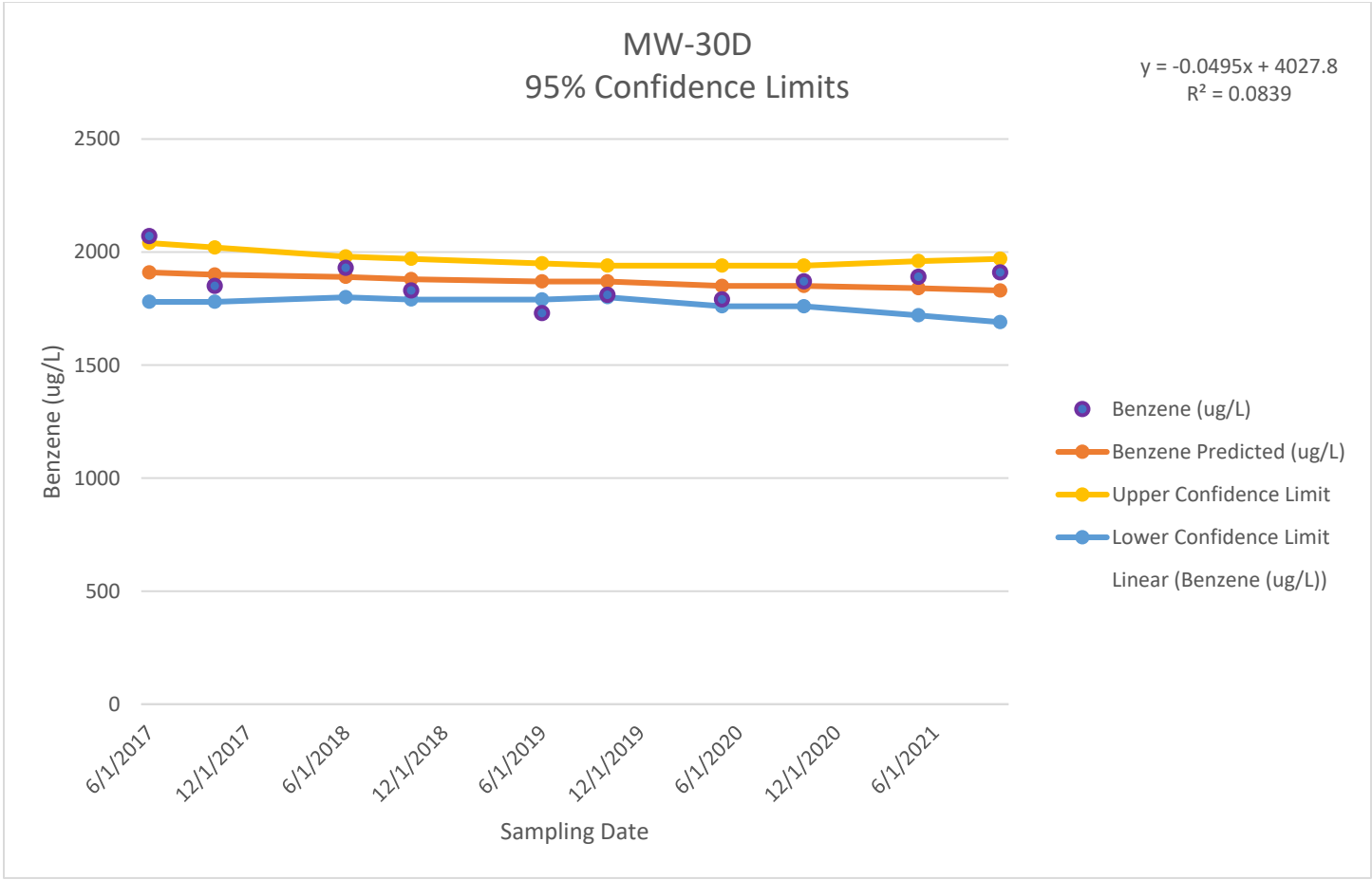
Graph of Benzene Concentrations for MWM-9RD with 95% Confidence Interval



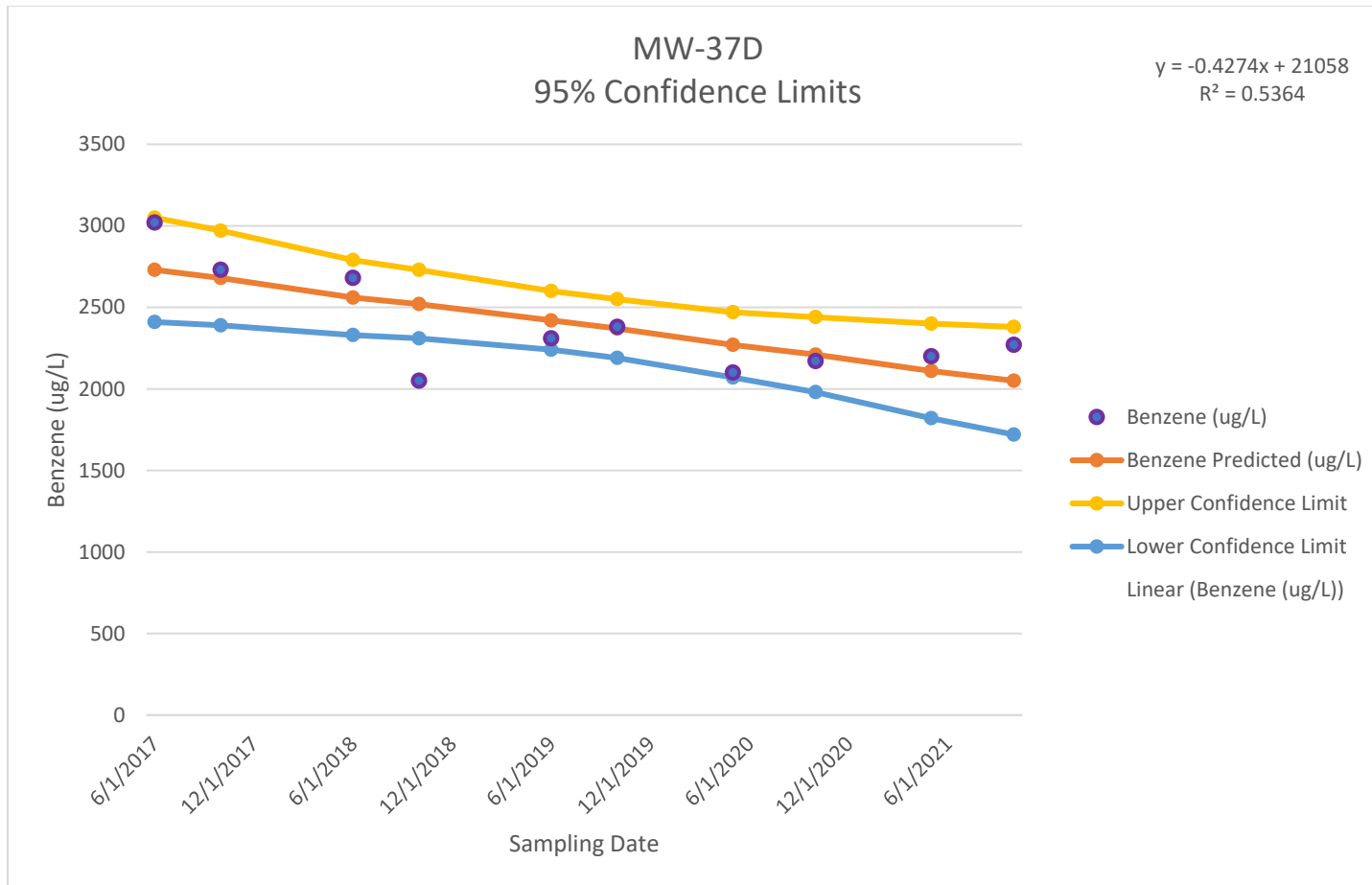
Graph of Benzene Concentrations for MW-10D with 95% Confidence Interval



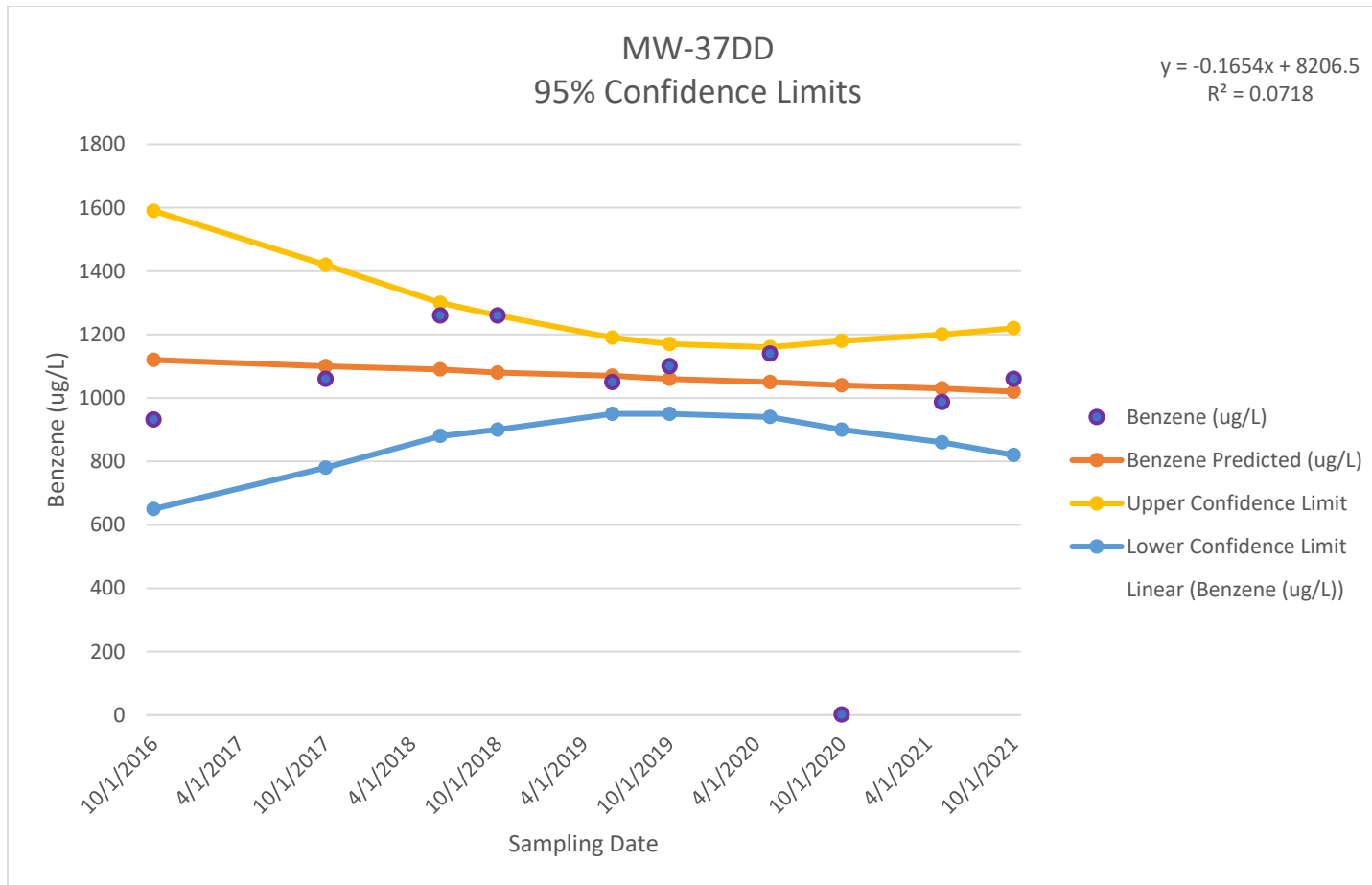
Graph of Benzene Concentrations for MW-30S with 95% Confidence Interval



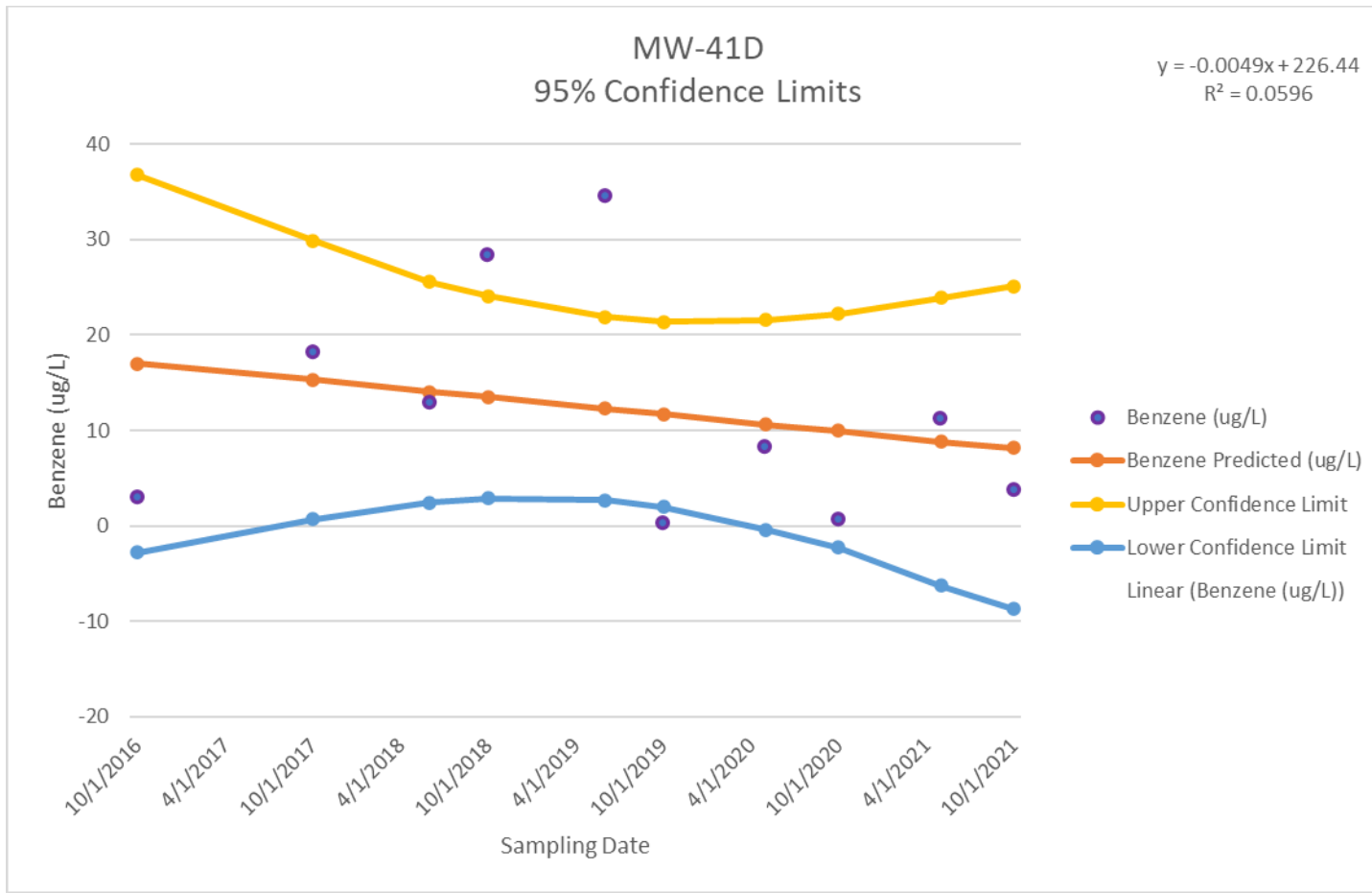
Graph of Benzene Concentrations for MW-30D with 95% Confidence Interval



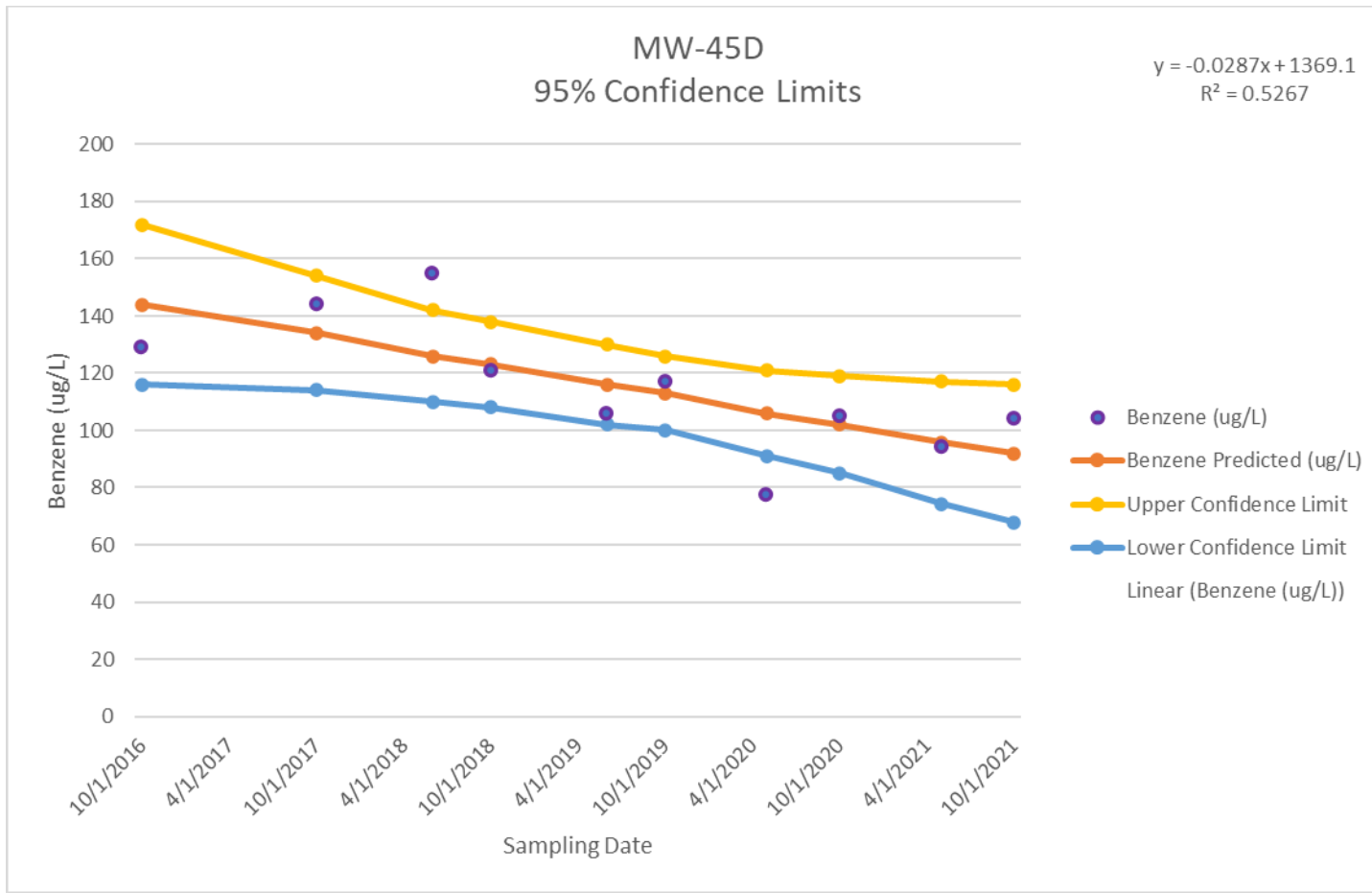
Graph of Benzene Concentrations for MW-37D with 95% Confidence Interval



Graph of Benzene Concentrations for MW-37DD with 95% Confidence Interval



Graph of Benzene Concentrations for MW-41D with 95% Confidence Interval



Graph of Benzene Concentrations for MW-45D with 95% Confidence Interval



Graph of Benzene Concentrations for MWBD-1D with 95% Confidence Interval