

GENERAL INSTRUCTIONS, PURPOSE AND APPLICABILITY OF THIS FORM:

Completion of the applicable portions of this form is required under Wis. Admin. Code § NR 724.13(3). Failure to submit this form as required is a violation of that rule section and is subject to the penalties in Wis. Stats. § 292.99. This form must be submitted every six months for remediation projects that report operation and maintenance progress, in accordance with Wis. Admin. Code §. NR 724.13(3). A narrative report or letter containing the equivalent information required in this form may be submitted in lieu of the actual form. Submittal of this form is not a substitute for reporting required by department programs such as Waste Water or Air Management.

Notes:

1. Long-term monitoring results submitted in accordance with Wis. Admin. Code § NR 724.17(3) 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 that section of code.
2. Responsible parties should check with the department 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 response.
3. Responsible parties should check with the department Project Manager assigned to the site to determine if any of the information required in this form may be omitted or changed and should obtain prior written approval for any omissions or changes.
4. Responsible parties are required to report separately on a semi-annual basis under Wis. Admin. Code § NR 700.11(1). Reporting under that provision is through an internet-based form. More information can be found at: <http://dnr.wi.gov/topic/Brownfields/documents/regs/NR700progreport.pdf>.
5. Personally identifiable information on this form is not intended to be used for any other purpose than tracking progress of the remediation by Remediation and Redevelopment Program. Personal information collected will be used for administrative purposes and may be provided to requesters to the extent required by Wisconsin's Public Records Law (Wis. Stats. §§ 19.31–19.39).

Section GI - General Site Information

A. General Information

1. Site name

Enbridge Line 13 Blackhawk Valve

2. Reporting period from:	01/01/2022	To:	08/31/2022	Days in period:	242
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3. Regulatory agency (enter DNR, DATCP and/or other)	4. BRRTS ID No. (2 digit program-2 digit county-6 digit site specific)
DNR	02-28-586199

5. Site location

Region	County	Address							
South Central Region	Jefferson	Blackhawk Island Road							
Municipality name	<input checked="" type="radio"/> City <input type="radio"/> Town <input type="radio"/> Village			Township	Range	<input checked="" type="radio"/> E <input type="radio"/> W	Section	¼	¼
Fort Atkinson				05 N	14		8	SW	NW

6. Responsible party

Name
 Karl Beaster

Mailing address
 11 East Superior Street - Suite 125, Duluth, MN 55802

Phone number
 (715) 718-1040

7. Consultant

Select if the following information has changed since the last submittal

Company name
 Enbridge Energy, Limited Partnership

Mailing address
 11 East Superior Street - Suite 125, Dulu

Phone number
 (715) 718-1040

8. Contaminants

Benzene, Toluene, Ethylbenzene, Xylenes, Hexane, MTBE, TCE

9. Soil types (USCS or USDA)

Poorly-graded sand (SP), Poorly-graded sand with gravel (SP), Sandy lean clay (CL)

10. Hydraulic conductivity(cm/sec): 1.14x10-1 (shallow zone), 6.22x10-2 (deep zone) - slug test	11. Average linear velocity of groundwater (ft/yr) 120 ft/yr - based on K=329.8 ft/day, n = 0.3, I = 0.0003
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Site name: Enbridge Line 13 Blackhawk Valve

Reporting period from: 01/01/2022 To: 08/31/2022

Days in period: 242

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12. If soil is treated ex situ, is the treatment location off site? Yes No

If yes, give location: Region

County

Municipality name City Town Village

Township

Range E

Section

¼

¼ ¼

N

W

B. Remediation Method

Only submit sections that apply to an individual site. Check all that apply:

- 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).
- Biopiles (submit a completed Section ES-1).
- Other in situ soil remediation method (submit a completed Section IS-3).
- Soil natural attenuation (submit a completed Section IS-2).
- Soil venting (including soil vapor extraction building venting and bioventing submit a completed Section IS-1).
- Other groundwater remediation method (submit a completed Section GW-4).
- Groundwater natural attenuation (submit a completed Section GW-3).
- In situ air sparging (submit a completed Section GW-2).
- Free product recovery (submit a completed Section GW-1).
- Groundwater extraction (submit a completed Section GW-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:

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D. Economic and Cost Data to Date


- | | |
|--|----------------|
| 1. Total investigation cost: | \$800,000.00 |
| 2. Implementation costs (design, capital and installation costs, excluding investigation costs): | \$450,000.00 |
| 3. Total costs during the previous reporting period: | \$1,000,000.00 |
| 4. Total costs during this reporting period: | \$250,000.00 |
| 5. Total anticipated costs for the next reporting period: | \$150,000.00 |
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:
D3 - Supplemental Site Investigation completed in 2021, Free product recovery Interim Action completed in 2021.
D4 - Continued free product recovery and SVE pilot test completed during this reporting period.
D5 - SVE design and routine groundwater monitoring to be completed during next reporting period.
7. If closure is anticipated within 12 months, estimated costs for project closeout: \$0.00

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 Craig Anderson	Title Practice Leader
Signature 	Date 9/26/2022

Hydrogeologists:

I hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03(1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the 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 Brian Kimpel	Title Supervisory Hydrogeologist, Assistant Vice President
Signature 	Date 9/26/2022

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

Site name: Enbridge Line 13 Blackhawk Valve

Reporting period from: 01/01/2022 To: 08/31/2022

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Other Persons:

Print name	Title
Signature	Date

Professional Seal(s), if applicable:



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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: _____ lbs

B. Free Product Recovery System Operation

1. Is free product (nonaqueous phase liquid) being recovered at this site? Yes No

If yes, explain:

Product recovery system operated from March 31 through May 19, 2022 (49 days). Product recovery system was shutdown on May 19, 2022, due to an increase in groundwater elevation in April 2022, which resulted in a decrease in free product apparent thickness in the remediation wells. Free product recovery was not effective due to decreased product thickness and transmissivity. Fluid level gauging and LNAPL Transmissivity testing were completed later in reporting period to assess recoverability.

2. Quantity of free product extracted during this time period (enter none if none): 49 gallons

3. Average free product extraction rate: 0 gpm

C. System Effectiveness Evaluation

1. Is a contaminated groundwater plume fully contained in the capture zone? Yes No

If no, explain:

N/A, no groundwater pump and treat system at Site

2. If free product is present, is the free product fully contained in capture zone? Yes No

If no, explain:

3. If free product is present in any wells at the site, but free product was not recovered during reporting period, explain:

N/A

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: _____ %

Site name: Enbridge Line 13 Blackhawk Valve

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- 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
- e. If the maximum concentration in a monitoring well is more that 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: Enbridge Line 13 Blackhawk Valve

Reporting period from: 01/01/2022 To: 08/31/2022

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Section GW-3, Natural Attenuation (Passive Bioremediation) in Groundwater

A. 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 A.1.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

2. Aquifer parameters:

a. Hydraulic conductivity: 1.14x10-1 cm/sec

b. Groundwater average linear velocity: 120 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 Stabilized 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: 5 µg/L

b. DO levels in the part of the plume that is most heavily contaminated 0.5 µg/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: Enbridge Line 13 Blackhawk Valve

Reporting period from: 01/01/2022 To: 08/31/2022

Days in period: 242

Remediation Site Operation, Maintenance, Monitoring & Optimization Report

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Section IS-1, Soil Venting (Including Soil Vapor Extraction, Building Venting and Bioventing)

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: 1

2. Number of days of operation (only list the number of days the system actually operated, if unknown explain):

3 days

3. System utilization in percent (days of operation divided by reporting time period multiplied by 100). If < 80%, explain:

1% - SVE pilot test completed 8/9 through 8/11

4. Average depth to groundwater: 25 gpm

B. Building Basement/Subslab Venting System Operation

1. Number of venting points available and number of points actually in use during the period: 0

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: 120 pounds per day

2. Average contaminant removal rate per well or venting point: 120 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:

- o Drill confirmation borings during the next reporting period, if the entire site should be considered for closure.
- o 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.



REFERENCE:
AERIAL FROM NEARMAP, GEOREFERENCED,
IMAGE DATE: MAY 9, 2022.

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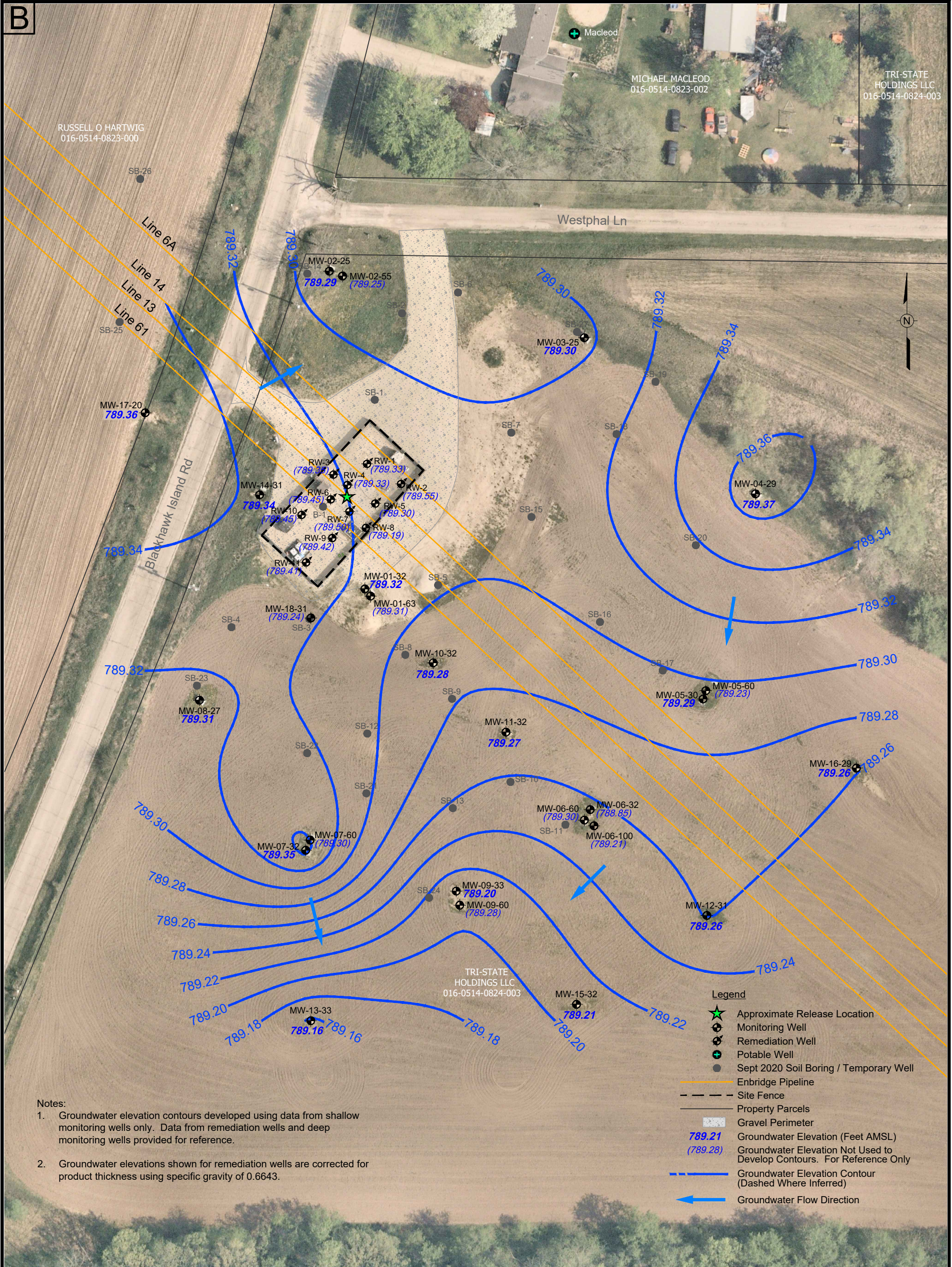
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FIGURE 1
MONITORING WELL AND
REMEDATION WELL LOCATIONS

LINE 13 MP 312 VALVE SITE
FORT ATKINSON, WISCONSIN
PREPARED FOR
ENBRIDGE ENERGY LIMITED PARTNERSHIP

Drawn By: *ECC*
Checked:
Approved: *TAH 9/22/2022*
DWG Name: 314V1967.705-022



Notes:
 1. Groundwater elevation contours developed using data from shallow monitoring wells only. Data from remediation wells and deep monitoring wells provided for reference.
 2. Groundwater elevations shown for remediation wells are corrected for product thickness using specific gravity of 0.6643.

- Legend**
- Approximate Release Location
 - Monitoring Well
 - Remediation Well
 - Potable Well
 - Sept 2020 Soil Boring / Temporary Well
 - Enbridge Pipeline
 - Site Fence
 - Property Parcels
 - Gravel Perimeter
 - 789.21 (789.28) Groundwater Elevation (Feet AMSL)
 - 789.21 (789.28) Groundwater Elevation Not Used to Develop Contours. For Reference Only
 - Groundwater Elevation Contour (Dashed Where Inferred)
 - Groundwater Flow Direction

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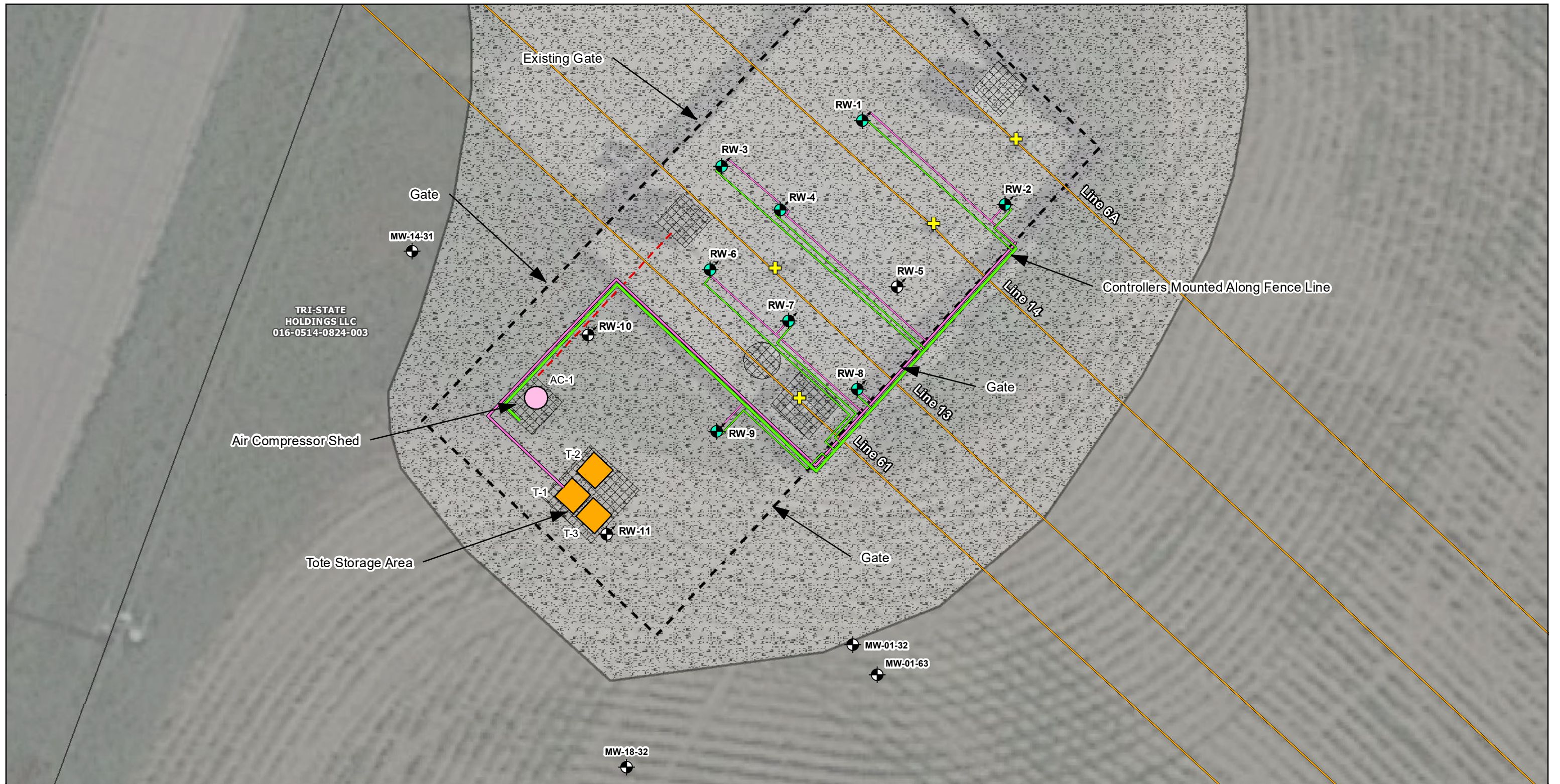
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FIGURE 2
GROUNDWATER ELEVATION MAP
 JULY 27, 2022

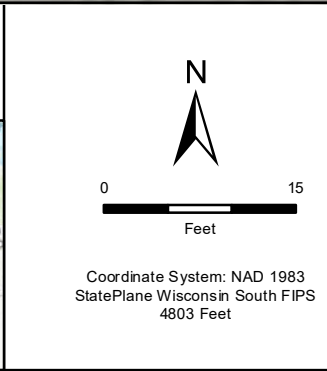
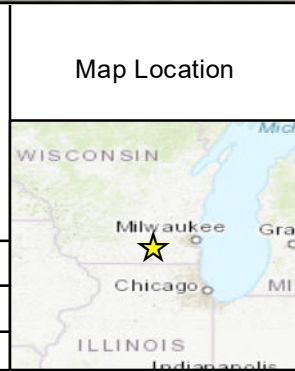
LINE 13 MP 312 VALVE SITE
FORT ATKINSON, WISCONSIN
 PREPARED FOR
ENBRIDGE ENERGY LIMITED PARTNERSHIP

Drawn By: *ECC*
 Checked:
 Approved: *TAH 9/22/2022*
 DWG Name: 314V1967.705-023



ENBRIDGE

Drawn: WSP 9/21/2022
 Approved: WSP 9/21/2022
 Project #: 31401967.705B



Legend

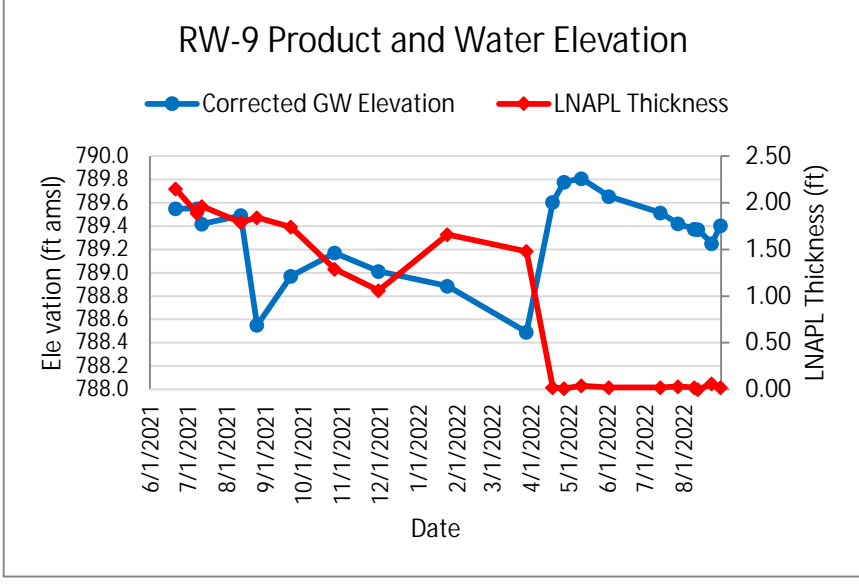
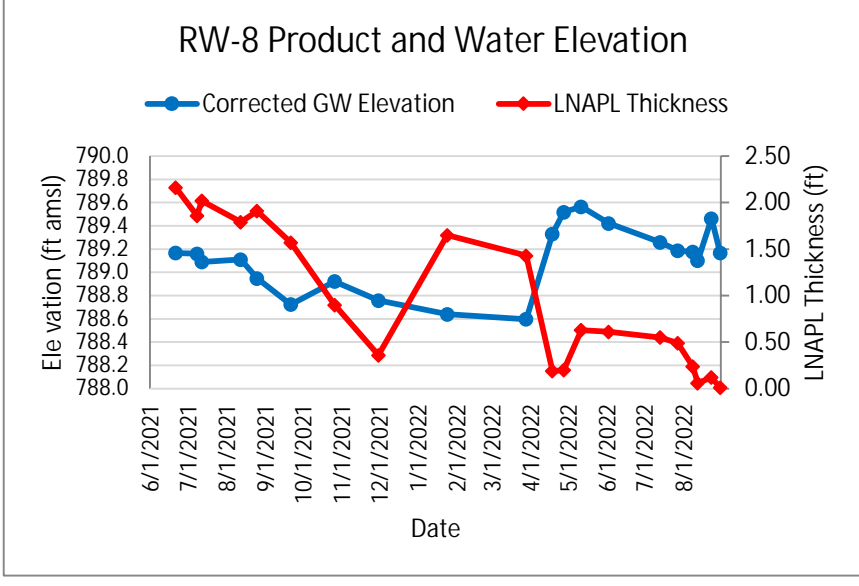
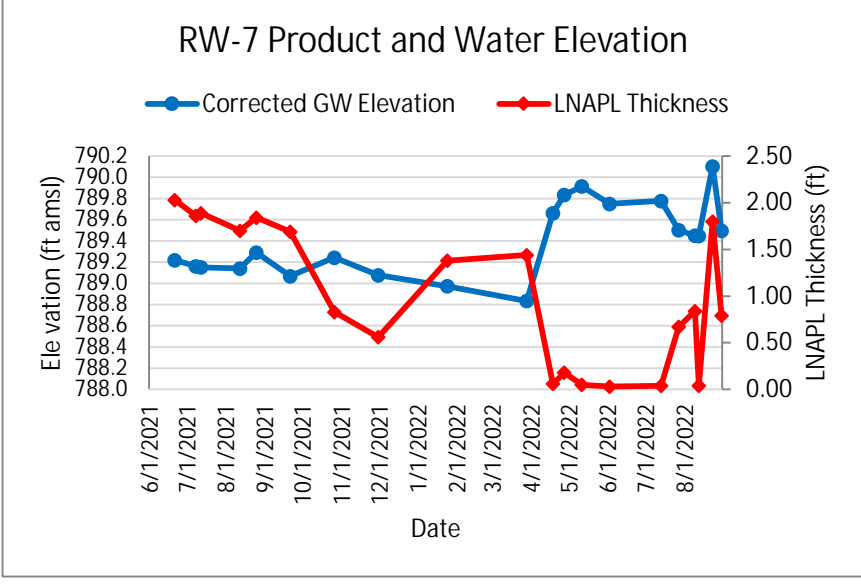
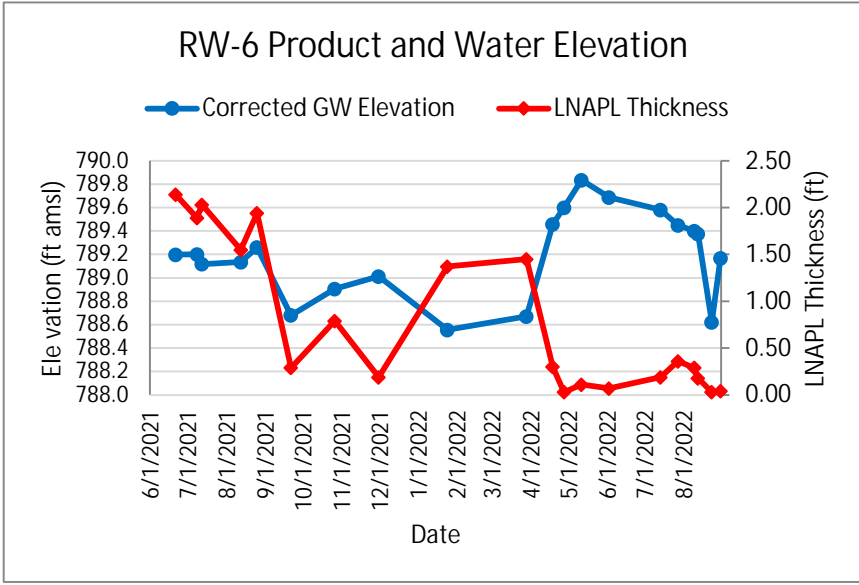
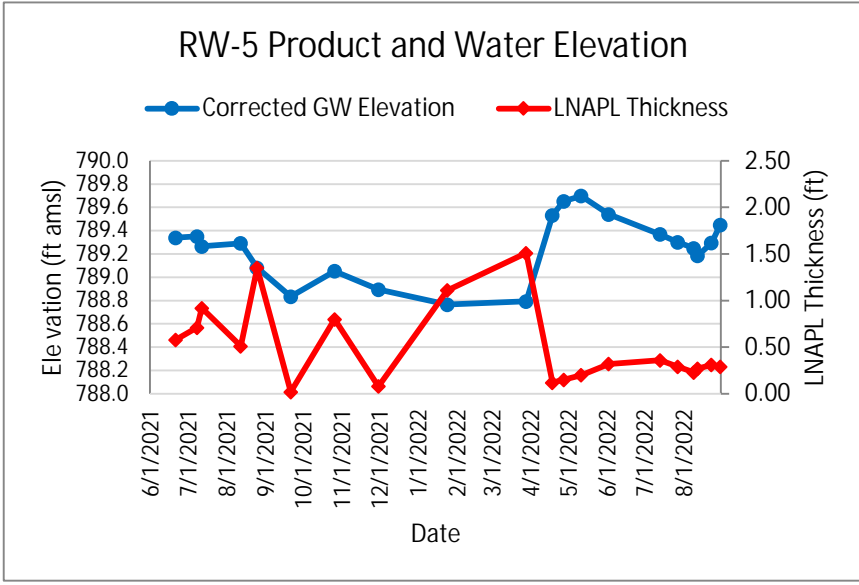
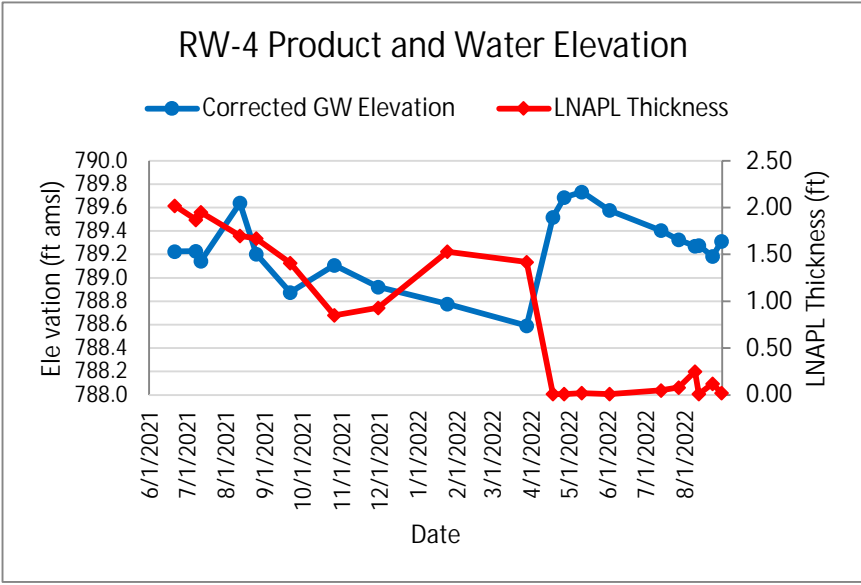
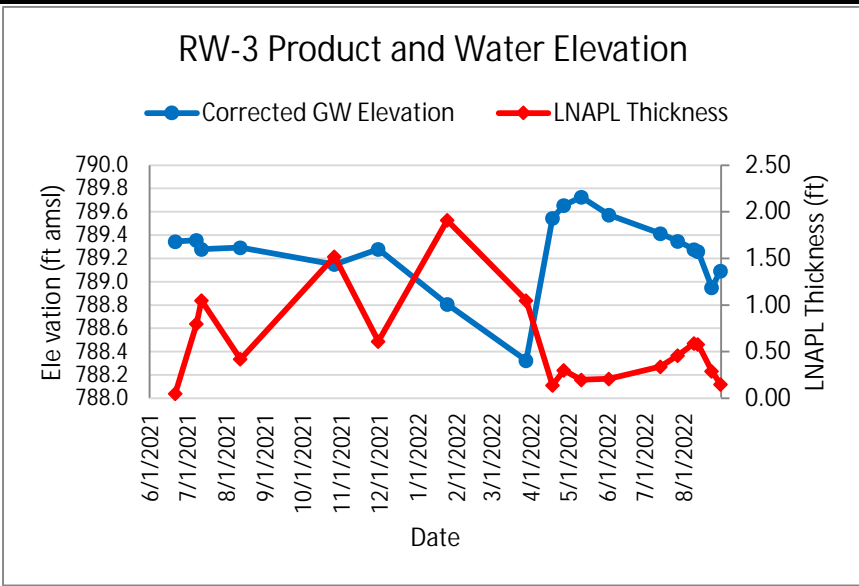
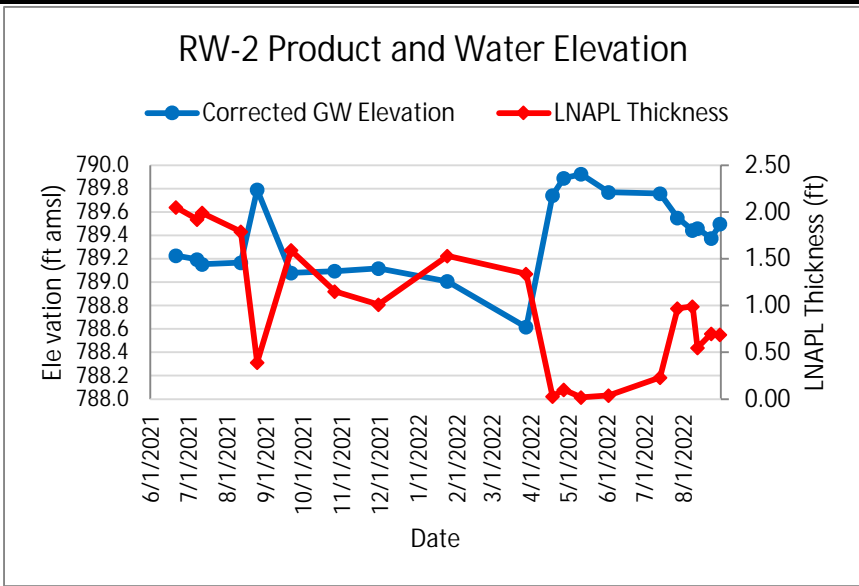
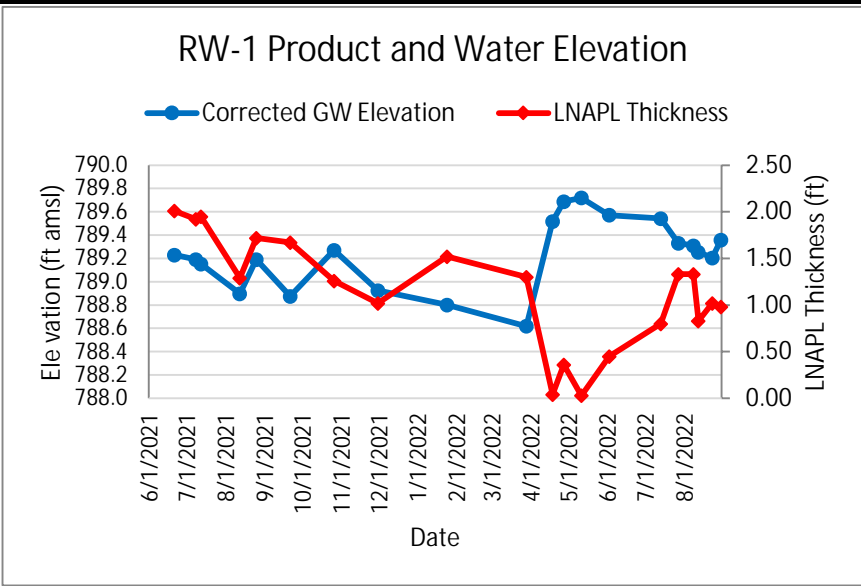
- Remediation Well
- Remediation Well with Product Recovery Pump
- Existing Monitoring Well
- Pipeline Valve
- Compressed Air Lines (At Grade)
- Product Recovery Lines (At Grade)
- Electrical Service (At Grade)
- Enbridge Pipeline (Below Grade)
- Product Recovery Tank with Secondary Containment
- Air Compressor
- Gravel Perimeter
- Site Feature
- Site Fence
- Property Parcels

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FIGURE 3
PRODUCT RECOVERY
SYSTEM DIAGRAM

LINE 13 MP 312 VALVE SITE
 FORT ATKINSON, WISCONSIN

ENBRIDGE ENERGY
 LIMITED PARTNERSHIP

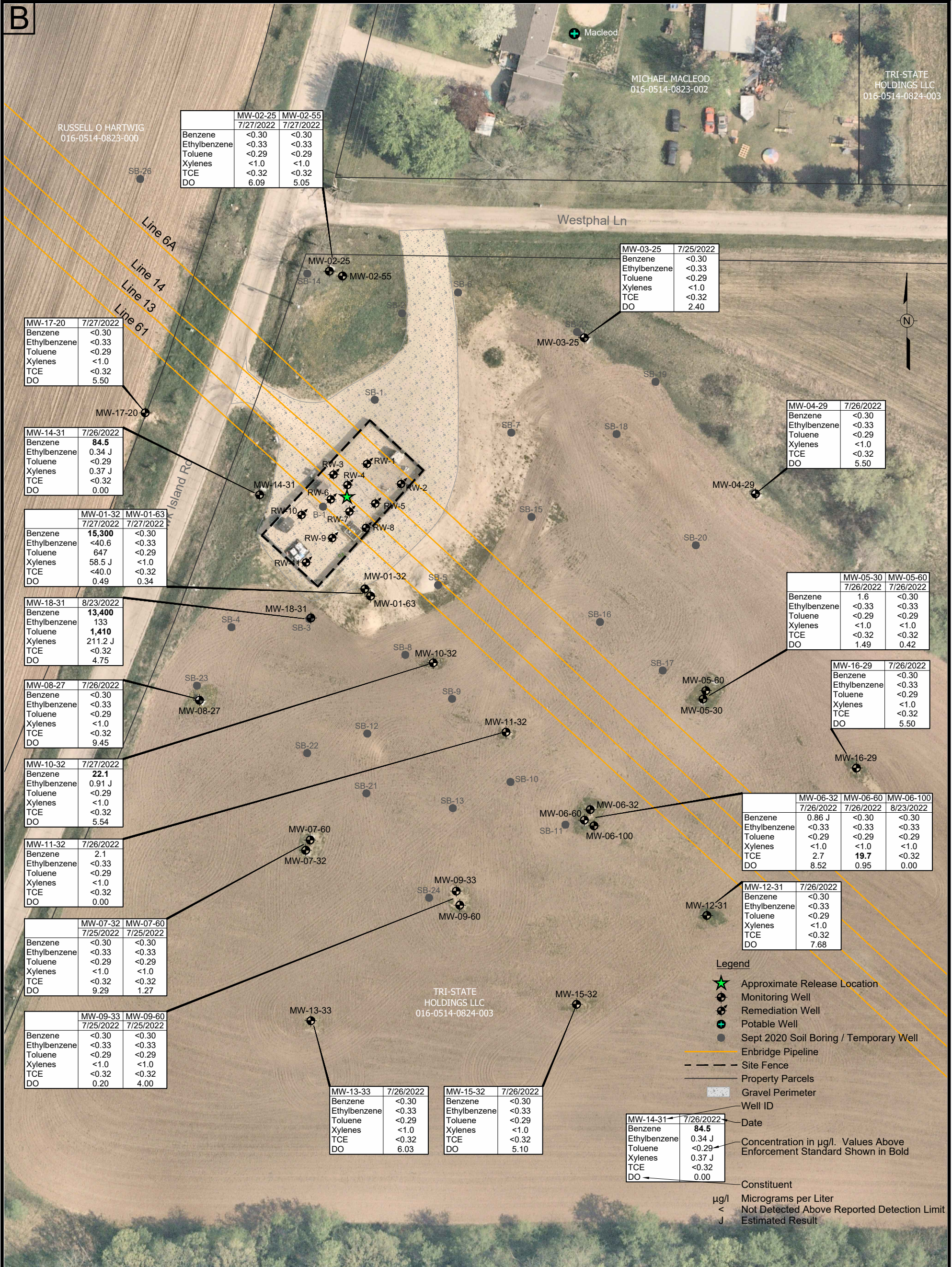


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B

Drawn by: TAH 08/31/2022	L13 MP312 VALVE SITE FORT ATKINSON, WISCONSIN PREPARED FOR ENBRIDGE ENERGY, LIMITED PARTNERSHIP	FIGURE 4 GROUNDWATER ELEVATION AND LNAPL THICKNESS IN REMEDIATION WELLS
Checked: TAH		
Approved:		
File: Historical GW Elev Data.xlsx		

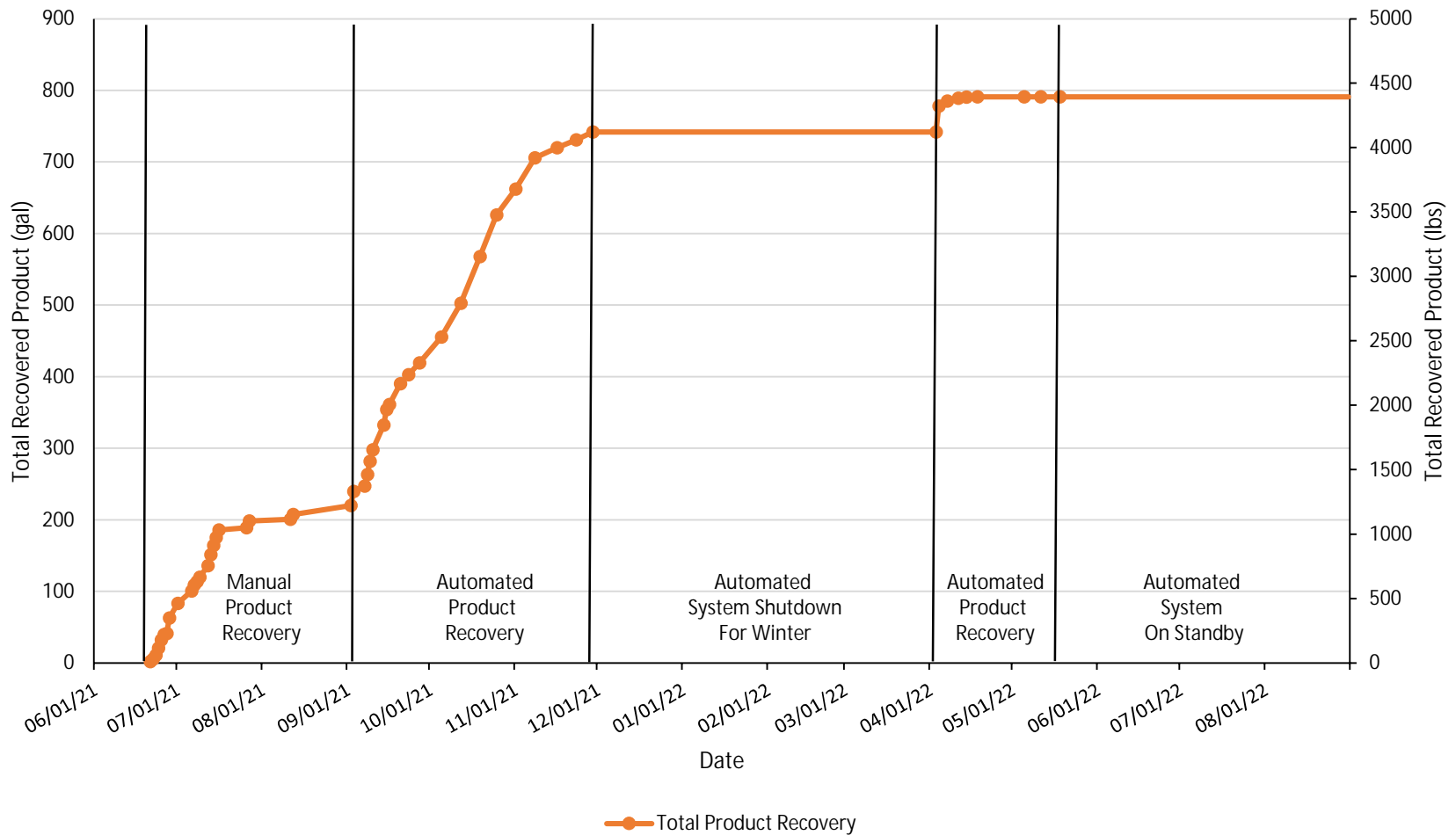


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	FIGURE 5 MONITORING WELL SAMPLING RESULTS	LINE 13 MP 312 VALVE SITE FORT ATKINSON, WISCONSIN PREPARED FOR ENBRIDGE ENERGY LIMITED PARTNERSHIP	Drawn By: <i>ECC</i> Checked: Approved: <i>TAH 9/22/2022</i> DWG Name: 314V1967.705-024



NOTES:

1. Approximately 220 gallons of free product was recovered manually between June 21 and Sept 2, 2021.
2. Approximately 522 gallons of free product were recovered during automated system operation between Sept 3 and Nov. 29, 2021.
3. Automated system was shut down for winter and disassembled on Nov. 29, 2021.
4. Automated system was reassembled and resumed operation on April 3, 2022.
5. Approximately 49 gallons of free product were recovered during automated system operation between April 3 and May 18, 2022.
6. System operation was suspended on May 18, 2022, due to insufficient product thickness / transmissivity for effective recovery.

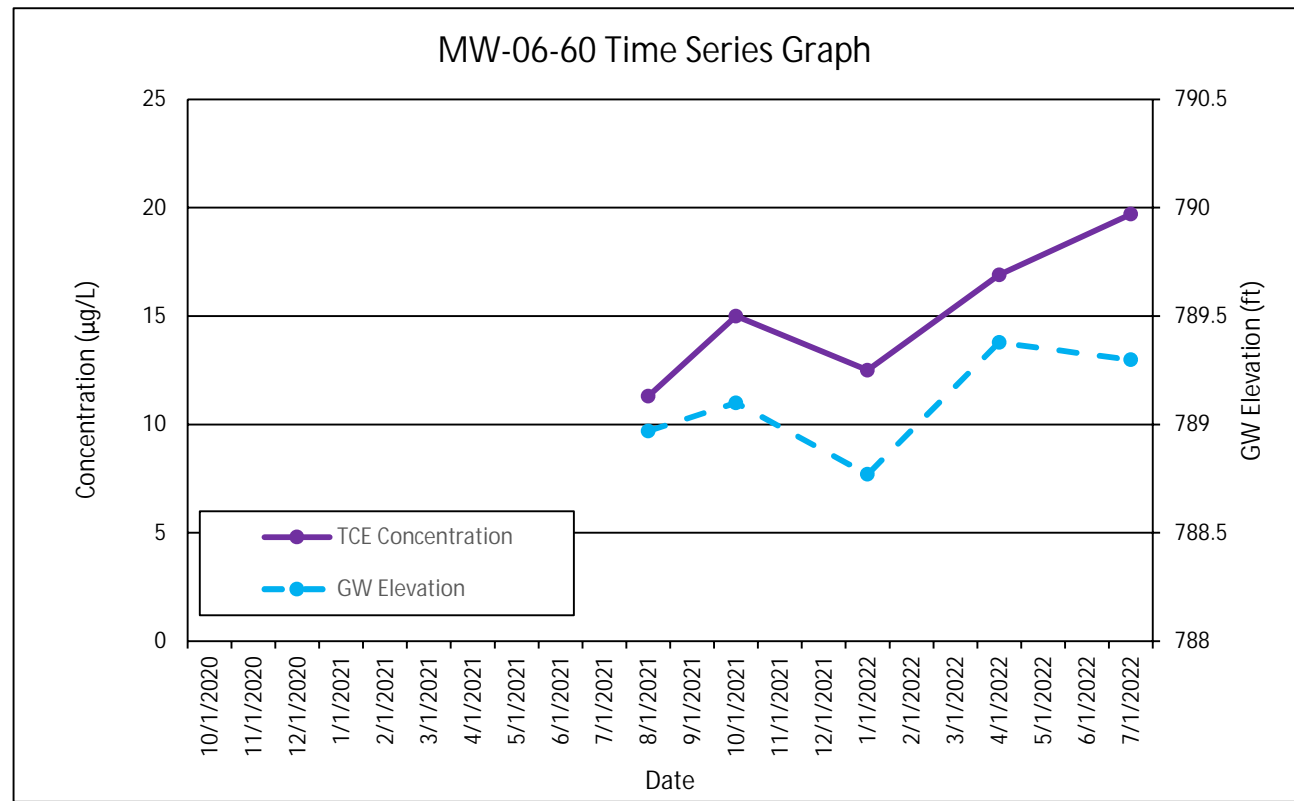
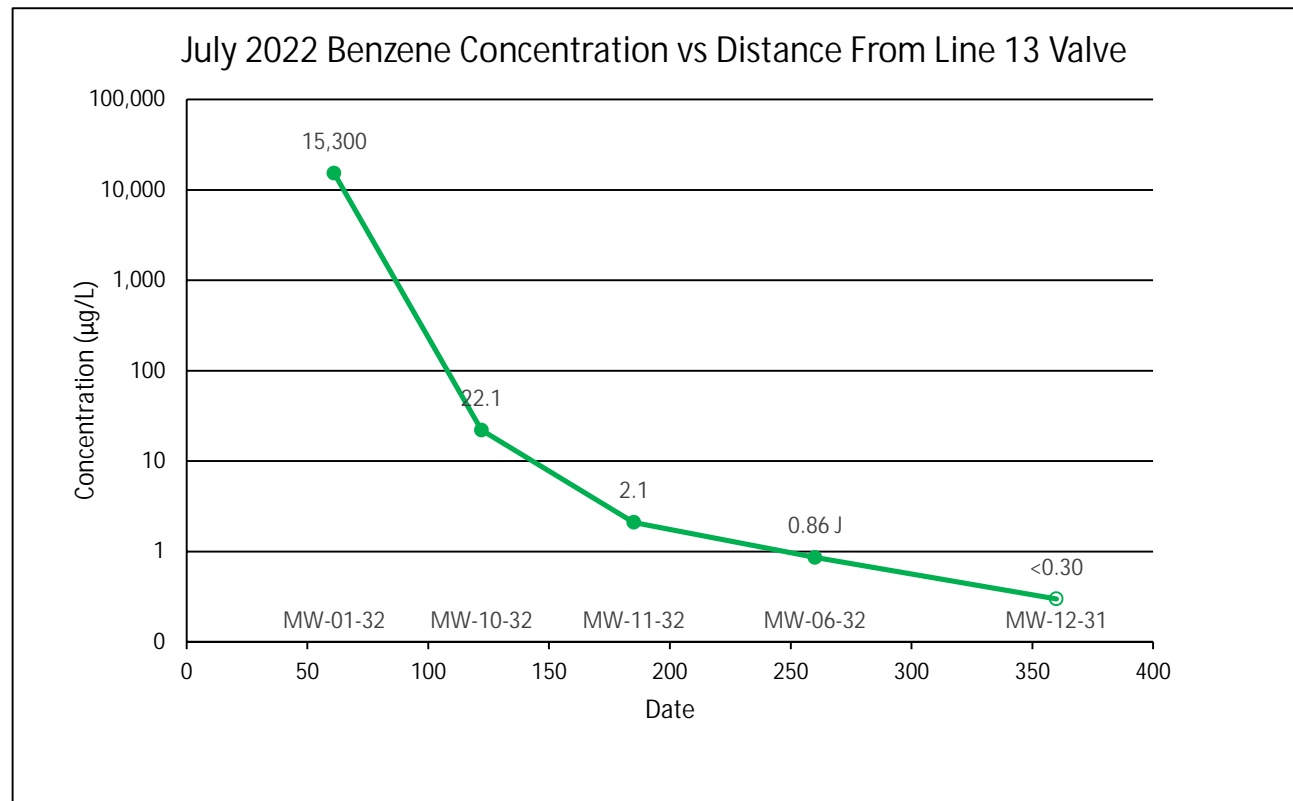
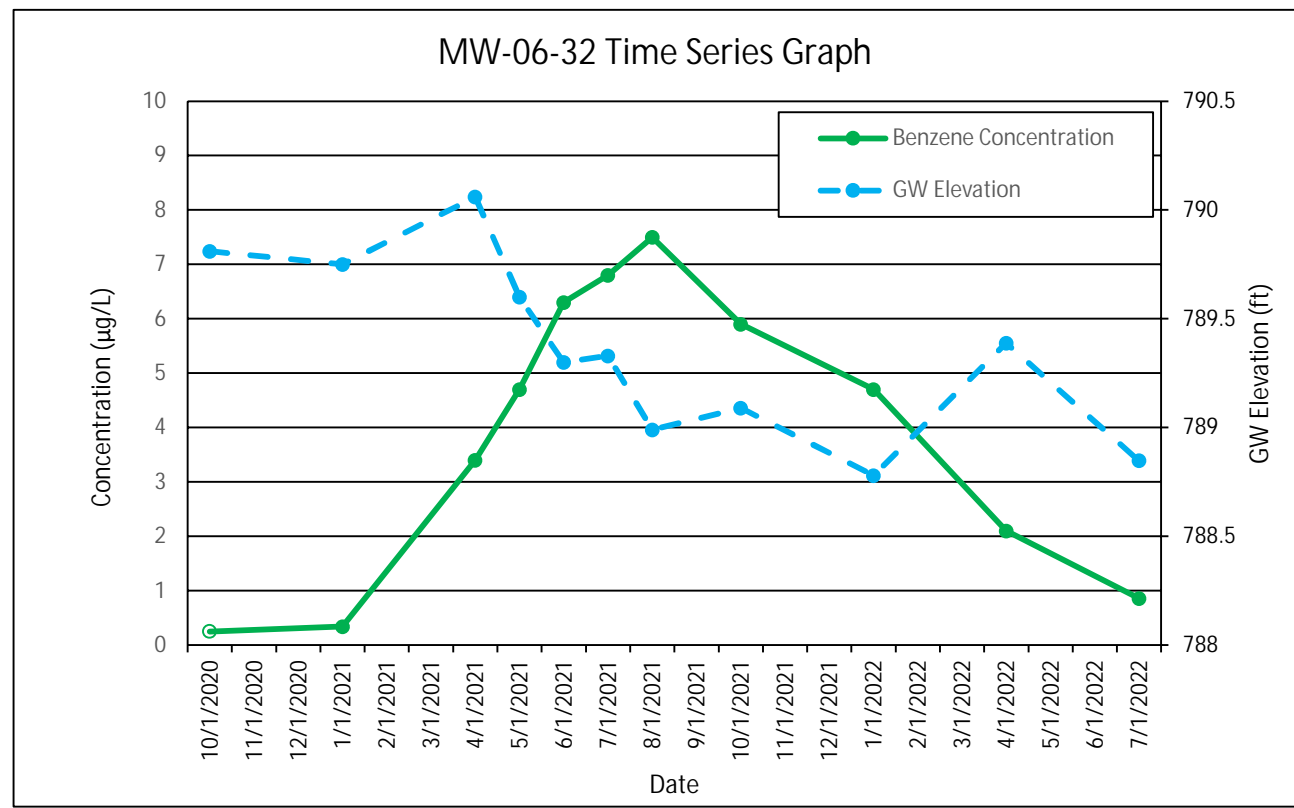
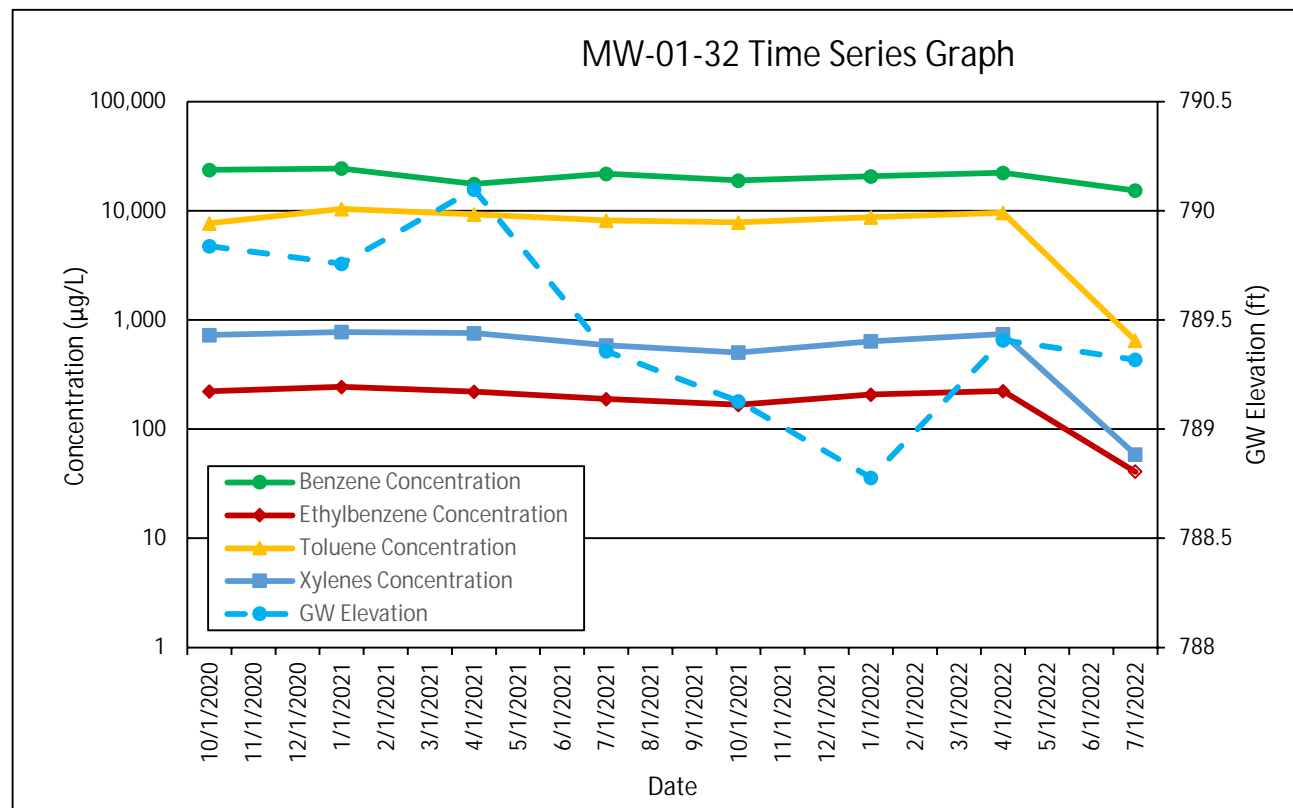
A



FIGURE 6
TOTAL PRODUCT RECOVERY

LINE 13 MP 312 VALVE SITE
FORT ATKINSON, WISCONSIN
PREPARED FOR
ENBRIDGE ENERGY, LIMITED PARTNERSHIP

Drawn By:	TAH	09/22/22
Checked:		
Approved:		
File Name:	Figure 6 - Cumulative Product Recovery.xlsx	



Drawn by: JDK 09/20/2022

Checked:

Approved:

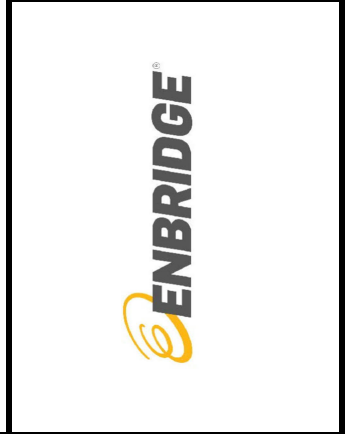
File: Historical GW Sampling Res

L13 MP312 VALVE SITE
FORT ATKINSON, WISCONSIN

PREPARED FOR
ENBRIDGE ENERGY, LIMITED
PARTNERSHIP

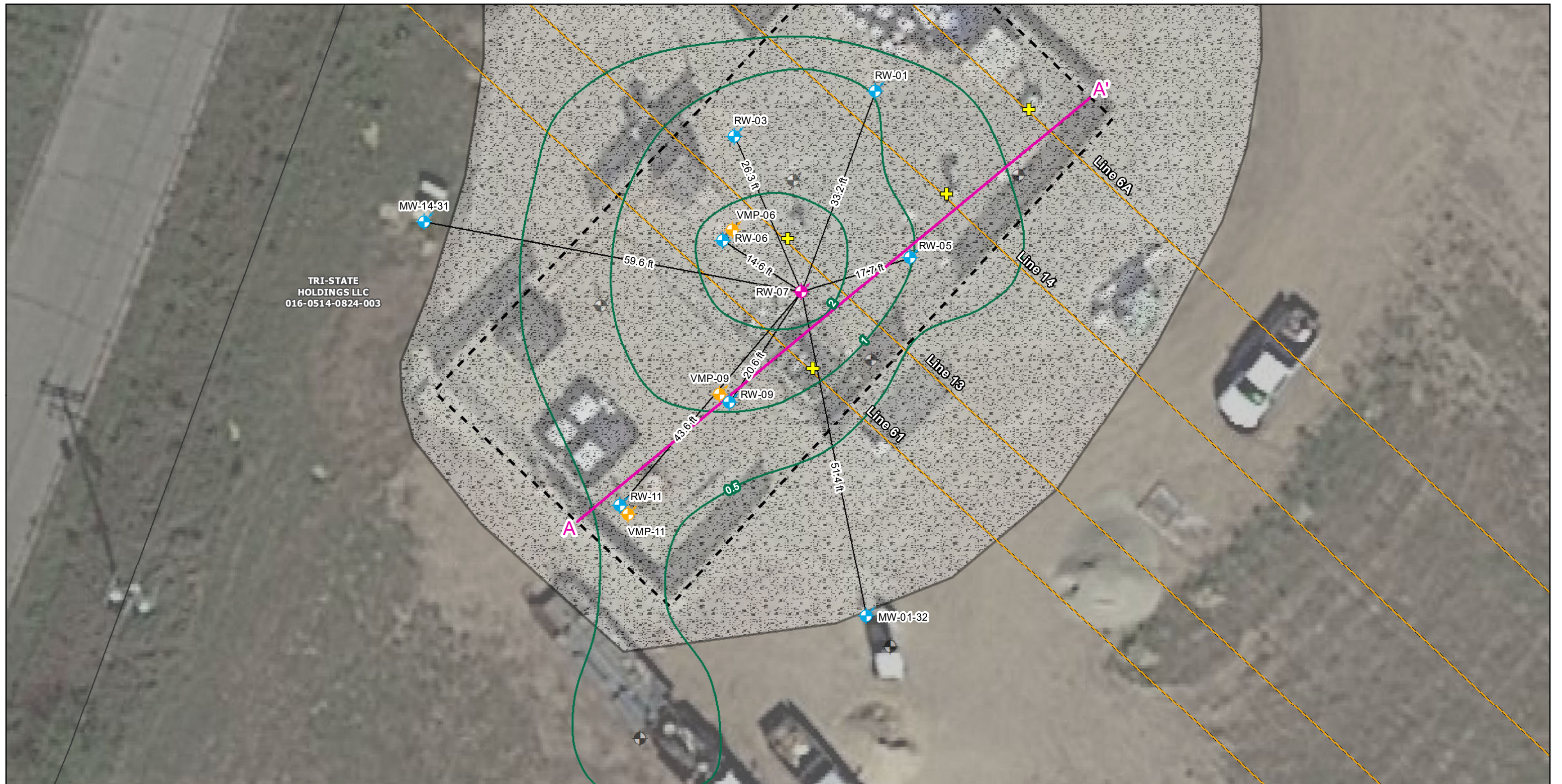
FIGURE 7

BENZENE CONCENTRATION VS
DISTANCE AND
TIME SERIES GRAPHS FOR
MW-01-32, MW-06-32,
AND MW-06-60



- NOTES:
1. CENSORED VALUES ARE SHOWN WITH A HOLLOW SYMBOL PLOTTED AT THE METHOD DETECTION LIMIT.
 2. THE ORIGINAL VERSION OF THIS DRAWING IS IN COLOR. BLACK AND WHITE COPIES MAY NOT ACCURATELY DEPICT CERTAIN INFORMATION.
 3. THIS DRAWING HAS BEEN PREPARED UNDER THE DIRECTION OF A PROFESSIONAL. DO NOT ALTER THIS DOCUMENT IN ANY WAY WITHOUT THE WRITTEN CONSENT OF WSP USA INC.

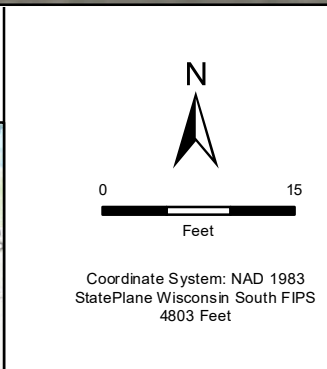
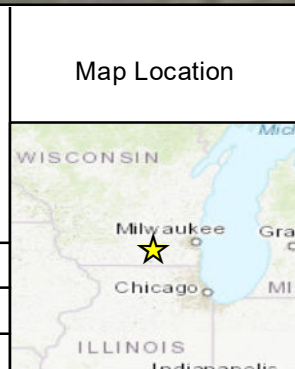
B



TRI-STATE
HOLDINGS LLC
016-0514-0824-003

ENBRIDGE

Drawn: WSP 9/23/2022
Approved: WSP 9/23/2022
Project #: 31401967.705B



Legend

SVE Pilot Test Points

- Extraction
- Vacuum Monitoring
- Vacuum Monitoring (Shallow)
- Remediation Well
- Monitoring Well
- Pipeline Valve
- Cross Section
- June 2021 UVOST Response
- Approximate Thickness for Interval 24-30' bgs
- Enbridge Pipeline (Below Grade)

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

- Gravel Perimeter
- Site Fence
- Property Parcels

Note: June 2021 UVOST response thickness is estimate of vertical interval near water table with UVOST response indicative of free product.

FIGURE 8
SVE PILOT TEST POINTS
LINE 13 MP 312 VALVE SITE
FORT ATKINSON, WISCONSIN

ENBRIDGE ENERGY
LIMITED PARTNERSHIP

Table 1

Monitoring Well and Remediation Well Construction Summary
 Line 13 MP312 Valve Site
 Fort Atkinson, Wisconsin

Point ID	Installation Date	Well Diameter (inches)	Protective Cover	Northing (a)	Easting (a)	Ground Surface		Well Total Depth (feet btoc)	Borehole Total		Screen Interval					
						Elevation (feet amsl) (a)	TOC Elevation (feet amsl) (a)		Depth (feet bgs)	Screen Length (feet)	Depth (feet bgs)	Elevation (feet amsl)				
Monitoring Wells																
MW-01-32	9/2/2020	2	Stick-up	333816.71	2269949.35	815.57	818.92	35.20	32	10	22	-	32	783.57	-	793.57
MW-01-63	8/12/2021	2	Stick-up	333812.03	2269953.08	815.79	818.61	65.90	63	5	58	-	63	752.79	-	757.79
MW-02-25	9/3/2020	2	Stick-up	334023.92	2269926.16	809.17	812.09	27.91	25	10	15	-	25	784.17	-	794.17
MW-02-55	7/27/2021	2	Stick-up	334020.77	2269934.80	809.54	812.35	58.84	80	10	45	-	55	754.54	-	764.54
MW-03-25	9/15/2020	2	Stick-up	333980.55	2270092.48	808.92	811.80	28.13	25	10	15	-	25	783.92	-	793.92
MW-04-29	9/16/2020	2	Stick-up	333878.74	2270204.16	808.92	811.87	31.61	29	10	18	-	28	780.92	-	790.92
MW-05-30	9/15/2020	2	Stick-up	333744.94	2270169.92	812.37	815.29	33.08	30	10	20	-	30	782.37	-	792.37
MW-05-60	8/12/2021	2	Stick-up	333750.36	2270171.73	812.29	815.33	64.25	60	5	55	-	60	752.29	-	757.29
MW-06-32	9/16/2020	2	Stick-up	333672.80	2270096.32	815.81	818.75	35.05	32	10	22	-	32	783.81	-	793.81
MW-06-60	8/12/2021	2	Stick-up	333665.98	2270092.52	816.10	819.30	65.27	60	5	55	-	60	756.10	-	761.10
MW-06-100	8/11/2022	2	Stick-up	333662.24	2270098.80	816.10	818.92	103.91	100	5	95	-	100	716.10	-	721.10
MW-07-32	9/16/2020	2	Stick-up	333646.32	2269910.76	815.62	818.55	35.01	32	10	22	-	32	783.62	-	793.62
MW-07-60	8/10/2021	2	Stick-up	333652.99	2269913.63	815.61	818.50	63.91	60	5	55	-	60	755.61	-	760.61
MW-08-27	9/15/2020	2	Stick-up	333744.16	2269841.41	810.75	813.72	29.96	27	10	17	-	27	783.75	-	793.75
MW-09-33	7/30/2021	2	Stick-up	333619.67	2270008.95	818.88	821.70	35.81	33	10	23	-	33	785.88	-	795.88
MW-09-60	8/10/2021	2	Stick-up	333610.49	2270011.26	818.98	821.68	64.15	63	5	55	-	60	758.98	-	763.98
MW-10-32	8/2/2021	2	Stick-up	333768.54	2269993.94	816.25	819.18	35.60	35	10	22	-	32	784.25	-	794.25
MW-11-32	8/2/2021	2	Stick-up	333723.36	2270041.37	816.69	819.57	35.26	35	10	22	-	32	784.69	-	794.69
MW-12-31	7/26/2021	2	Stick-up	333603.80	2270172.41	814.25	817.06	34.10	40	10	21	-	31	783.25	-	793.25
MW-13-33	7/30/2021	2	Stick-up	333535.15	2269914.12	818.65	821.46	37.09	35	10	23	-	33	785.65	-	795.65
MW-14-31	8/2/2021	2	Stick-up	333878.04	2269880.71	813.04	816.14	34.15	35	10	21	-	31	782.04	-	792.04
MW-15-32	7/31/2021	2	Stick-up	333545.82	2270087.38	818.66	821.51	36.11	35	10	22	-	32	786.66	-	796.66
MW-16-29	7/31/2021	2	Stick-up	333699.92	2270269.98	812.81	815.76	33.53	35	10	19	-	29	783.81	-	793.81
MW-17-20	12/1/2021	2	Stick-up	333931.57	2269806.06	803.94	806.76	22.80	20	10	10	-	20	783.94	-	793.94
MW-18-31	8/12/2022	2	Stick-up	333797.78	2269914.15	814.79	817.61	33.35	35	10	21	-	31	783.79	-	793.79
Remediation Wells																
RW-1	6/17/2021	2	Flush Mount	333898.31	2269950.79	814.46	814.2 (b)	31.6	33	15	15	-	32	782.46	-	799.46
RW-2	6/16/2021	2	Flush Mount	333885.20	2269973.01	814.50	814.2 (b)	31.6	33	15	15	-	32	782.50	-	799.50
RW-3	6/17/2021	2	Flush Mount	333891.29	2269928.90	814.61	814.24	31.6	33	15	15	-	32	782.61	-	799.61
RW-4	6/17/2021	2	Flush Mount	333884.46	2269938.00	814.72	814.4 (b)	31.6	33	15	15	-	32	782.72	-	799.72
RW-5	6/16/2021	2	Flush Mount	333872.42	2269956.16	814.88	814.4 (b)	31.6	33	15	15	-	32	782.88	-	799.88
RW-6	6/17/2021	2	Flush Mount	333875.12	2269927.07	814.69	814.4 (b)	31.6	33	15	15	-	32	782.69	-	799.69
RW-7	6/16/2021	2	Flush Mount	333867.15	2269939.29	814.97	814.8 (b)	31.6	33	15	15	-	32	782.97	-	799.97
RW-8	6/15/2021	2	Flush Mount	333856.54	2269950.04	815.15	814.8 (b)	31.6	33	15	15	-	32	783.15	-	800.15
RW-9	6/15/2021	2	Flush Mount	333849.90	2269928.06	815.28	814.8 (b)	31.6	33	15	15	-	32	783.28	-	800.28
RW-10	8/13/2021	4	Flush Mount	333864.97	2269908.08	814.80	814.36	31.6	33	15	15	-	32	782.80	-	799.80
RW-11	8/13/2021	4	Flush Mount	333833.97	2269911.02	814.96	814.39	31.6	33	15	15	-	32	782.96	-	799.96

a/ Horizontal and vertical locations based on survey by TriMedia Environmental & Engineering of Marquette, MI. Locations relative to Wisconsin State Plane Coordinate System, South Zone (NAD83), U.S. survey feet, and the NAVD1988 datum.

b/ Top of casing elevation not determined due to installation of free product recovery pump at time of survey. Value shown is estimated based on ground surface elevation.

TOC = top of casing

ft amsl = feet above mean sea level

ft btoc = feet below top of casing

Table 2

Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
MW-01-32	9/16/2020	818.92	-	28.86	790.06	0.00	790.06	--	--
	10/8/2020	818.92	-	29.08	789.84	0.00	789.84	--	--
	1/14/2021	818.92	-	29.16	789.76	0.00	789.76	--	--
	4/1/2021	818.92	-	28.82	790.10	0.00	790.10	--	--
	5/26/2021	818.92	-	29.29	789.63	0.00	789.63	--	--
	6/21/2021	818.92	-	29.58	789.34	0.00	789.34	--	--
	7/8/2021	818.92	-	29.56	789.36	0.00	789.36	--	--
	9/3/2021	818.92	-	29.91	789.01	0.00	789.01	0.01	-0.0004
	10/26/2021	818.92	-	29.79	789.13	0.00	789.13	0.03	-0.0010
	1/24/2022	818.92	-	30.14	788.78	0.00	788.78	0.03	-0.0010
	3/28/2022	818.92	-	29.86	789.06	0.00	789.06	0.02	-0.0007
	4/18/2022	818.92	-	29.51	789.41	0.00	789.41	0.12	-0.0037
	5/11/2022	818.92	-	29.19	789.73	0.00	789.73	--	--
	6/2/2022	818.92	-	29.36	789.56	0.00	789.56	--	--
	7/13/2022	818.92	-	29.50	789.42	0.00	789.42	--	--
	7/27/2022	818.92	-	29.60	789.32	0.00	789.32	--	--
8/23/2022	818.92	-	29.75	789.17	0.00	789.17	--	--	
MW-01-63	9/3/2021	818.61	-	29.59	789.02	0.00	789.02	--	--
	10/26/2021	818.61	-	29.45	789.16	0.00	789.16	--	--
	1/24/2022	818.61	-	29.80	788.81	0.00	788.81	--	--
	3/28/2022	818.61	-	29.53	789.08	0.00	789.08	--	--
	4/18/2022	818.61	-	29.08	789.53	0.00	789.53	--	--
	7/27/2022	818.61	-	29.30	789.31	0.00	789.31	--	--
	8/23/2022	818.61	-	29.43	789.18	0.00	789.18	--	--

Table 2

Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
MW-02-25	9/16/2020	812.09	-	22.01	790.08	0.00	790.08	--	--
	10/8/2020	812.09	-	22.23	789.86	0.00	789.86	--	--
	1/14/2021	812.09	-	22.26	789.83	0.00	789.83	--	--
	4/1/2021	812.09	-	22.02	790.07	0.00	790.07	--	--
	5/26/2021	812.09	-	22.45	789.64	0.00	789.64	--	--
	6/21/2021	812.09	-	22.74	789.35	0.00	789.35	--	--
	7/8/2021	812.09	-	22.71	789.38	0.00	789.38	--	--
	9/3/2021	812.09	-	23.06	789.03	0.00	789.03	0.02	0.0007
	10/26/2021	812.09	-	22.92	789.17	0.00	789.17	0.01	0.0003
	1/24/2022	812.09	-	23.23	788.86	0.00	788.86	0.00	0.0000
	3/28/2022	812.09	-	23.00	789.09	0.00	789.09	0.01	0.0003
	4/18/2022	812.09	-	22.62	789.47	0.00	789.47	0.12	-0.0041
	7/27/2022	812.09	-	22.80	789.29	0.00	789.29	0.04	0.0014
MW-02-55	9/3/2021	812.35	-	23.34	789.01	0.00	789.01	--	--
	10/26/2021	812.35	-	23.19	789.16	0.00	789.16	--	--
	1/24/2022	812.35	-	23.49	788.86	0.00	788.86	--	--
	3/28/2022	812.35	-	23.27	789.08	0.00	789.08	--	--
	4/18/2022	812.35	-	22.76	789.59	0.00	789.59	--	--
	7/27/2022	812.35	-	23.10	789.25	0.00	789.25	--	--
	8/23/2022	812.35	-	23.18	789.17	0.00	789.17	--	--
MW-03-25	9/16/2020	811.80	-	21.73	790.07	0.00	790.07	--	--
	10/8/2020	811.80	-	21.93	789.87	0.00	789.87	--	--
	1/14/2021	811.80	-	21.97	789.83	0.00	789.83	--	--
	4/1/2021	811.80	-	21.71	790.09	0.00	790.09	--	--
	5/26/2021	811.80	-	22.15	789.65	0.00	789.65	--	--
	6/21/2021	811.80	-	22.45	789.35	0.00	789.35	--	--
	7/8/2021	811.80	-	22.45	789.35	0.00	789.35	--	--
	9/3/2021	811.80	-	22.78	789.02	0.00	789.02	--	--
	10/26/2021	811.80	-	22.66	789.14	0.00	789.14	--	--
	1/24/2022	811.80	-	22.98	788.82	0.00	788.82	--	--
	3/28/2022	811.80	-	22.73	789.07	0.00	789.07	--	--
	4/18/2022	811.80	-	22.23	789.57	0.00	789.57	--	--
	7/27/2022	811.80	-	22.50	789.30	0.00	789.30	--	--

Table 2

Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
MW-04-29	9/16/2020	811.87	-	21.83	790.04	0.00	790.04	--	--
	10/8/2020	811.87	-	22.05	789.82	0.00	789.82	--	--
	1/14/2021	811.87	-	22.09	789.78	0.00	789.78	--	--
	4/1/2021	811.87	-	21.80	790.07	0.00	790.07	--	--
	5/26/2021	811.87	-	22.24	789.63	0.00	789.63	--	--
	6/21/2021	811.87	-	22.54	789.33	0.00	789.33	--	--
	7/8/2021	811.87	-	22.50	789.37	0.00	789.37	--	--
	9/3/2021	811.87	-	22.86	789.01	0.00	789.01	--	--
	10/26/2021	811.87	-	22.77	789.10	0.00	789.10	--	--
	1/24/2022	811.87	-	23.12	788.75	0.00	788.75	--	--
	3/28/2022	811.87	-	22.87	789.00	0.00	789.00	--	--
	4/18/2022	811.87	-	22.44	789.43	0.00	789.43	--	--
	7/27/2022	811.87	-	22.50	789.37	0.00	789.37	--	--
MW-05-30	9/16/2020	815.29	-	25.25	790.04	0.00	790.04	--	--
	10/8/2020	815.29	-	25.46	789.83	0.00	789.83	--	--
	1/14/2021	815.29	-	25.54	789.75	0.00	789.75	--	--
	4/1/2021	815.29	-	25.24	790.05	0.00	790.05	--	--
	5/26/2021	815.29	-	25.69	789.60	0.00	789.60	--	--
	6/21/2021	815.29	-	25.99	789.30	0.00	789.30	--	--
	7/8/2021	815.29	-	25.96	789.33	0.00	789.33	--	--
	9/3/2021	815.29	-	26.31	788.98	0.00	788.98	0.00	0.0000
	10/26/2021	815.29	-	26.21	789.08	0.00	789.08	0.02	-0.0006
	1/24/2022	815.29	-	26.52	788.77	0.00	788.77	0.00	0.0000
	3/28/2022	815.29	-	26.26	789.03	0.00	789.03	0.01	-0.0004
4/18/2022	815.29	-	25.86	789.43	0.00	789.43	0.08	-0.0026	
7/27/2022	815.29	-	26.00	789.29	0.00	789.29	0.07	0.0020	
MW-05-60	9/3/2021	815.33	-	26.35	788.98	0.00	788.98	--	--
	10/26/2021	815.33	-	26.23	789.10	0.00	789.10	--	--
	1/24/2022	815.33	-	26.56	788.77	0.00	788.77	--	--
	3/28/2022	815.33	-	26.28	789.05	0.00	789.05	--	--
	4/18/2022	815.33	-	25.81	789.52	0.00	789.52	--	--
	7/27/2022	815.33	-	26.10	789.23	0.00	789.23	--	--

Table 2

Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
MW-06-32	9/16/2020	818.75	-	28.72	790.03	0.00	790.03	--	--
	10/8/2020	818.75	-	28.94	789.81	0.00	789.81	--	--
	1/14/2021	818.75	-	29.00	789.75	0.00	789.75	--	--
	4/1/2021	818.75	-	28.69	790.06	0.00	790.06	--	--
	5/26/2021	818.75	-	29.15	789.60	0.00	789.60	--	--
	6/21/2021	818.75	-	29.45	789.30	0.00	789.30	--	--
	7/8/2021	818.75	-	29.42	789.33	0.00	789.33	--	--
	9/3/2021	818.75	-	29.76	788.99	0.00	788.99	0.02	0.0007
	10/26/2021	818.75	-	29.66	789.09	0.00	789.09	0.01	-0.0003
	1/24/2022	818.75	-	29.97	788.78	0.00	788.78	0.01	0.0003
	3/28/2022	818.75	-	29.71	789.04	0.00	789.04	0.00	0.0000
	4/18/2022	818.75	-	29.36	789.39	0.00	789.39	0.01	0.0003
	7/27/2022	818.75	-	29.90	788.85	0.00	788.85	0.45	-0.0149
	8/23/2022	818.75	-	29.62	789.13	0.00	789.13	0.00	0.0000
MW-06-60	9/3/2021	819.30	-	30.33	788.97	0.00	788.97	--	--
	10/26/2021	819.30	-	30.20	789.10	0.00	789.10	--	--
	1/24/2022	819.30	-	30.53	788.77	0.00	788.77	--	--
	3/28/2022	819.30	-	30.26	789.04	0.00	789.04	--	--
	4/18/2022	819.30	-	29.92	789.38	0.00	789.38	--	--
	7/27/2022	819.30	-	30.00	789.30	0.00	789.30	--	--
	8/23/2022	819.30	-	30.17	789.13	0.00	789.13	0.08	-0.0020
MW-06-100	8/23/2022	818.92	-	29.71	789.21	0.00	789.21	--	--

Table 2

Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
MW-07-32	9/16/2020	818.55	-	28.50	790.05	0.00	790.05	--	--
	10/8/2020	818.55	-	28.73	789.82	0.00	789.82	--	--
	1/14/2021	818.55	-	28.78	789.77	0.00	789.77	--	--
	4/1/2021	818.55	-	28.51	790.04	0.00	790.04	--	--
	5/26/2021	818.55	-	28.93	789.62	0.00	789.62	--	--
	6/21/2021	818.55	-	29.23	789.32	0.00	789.32	--	--
	7/8/2021	818.55	-	29.20	789.35	0.00	789.35	--	--
	9/3/2021	818.55	-	29.56	788.99	0.00	788.99	0.01	-0.0003
	10/26/2021	818.55	-	29.42	789.13	0.00	789.13	0.00	0.0000
	1/24/2022	818.55	-	29.76	788.79	0.00	788.79	0.00	0.0000
	3/28/2022	818.55	-	29.49	789.06	0.00	789.06	0.03	-0.0009
	4/18/2022	818.55	-	29.17	789.38	0.00	789.38	0.08	-0.0025
	7/27/2022	818.55	-	29.20	789.35	0.00	789.35	0.04	0.0014
MW-07-60	9/3/2021	818.50	-	29.50	789.00	0.00	789.00	--	--
	10/26/2021	818.50	-	29.37	789.13	0.00	789.13	--	--
	1/24/2022	818.50	-	29.71	788.79	0.00	788.79	--	--
	3/28/2022	818.50	-	29.42	789.08	0.00	789.08	--	--
	4/18/2022	818.50	-	29.05	789.45	0.00	789.45	--	--
	7/27/2022	818.50	-	29.20	789.30	0.00	789.30	--	--
MW-08-27	9/16/2020	813.72	-	23.65	790.07	0.00	790.07	--	--
	10/8/2020	813.72	-	23.83	789.89	0.00	789.89	--	--
	1/14/2021	813.72	-	23.93	789.79	0.00	789.79	--	--
	4/1/2021	813.72	-	23.64	790.08	0.00	790.08	--	--
	5/26/2021	813.72	-	24.08	789.64	0.00	789.64	--	--
	6/21/2021	813.72	-	24.39	789.33	0.00	789.33	--	--
	7/8/2021	813.72	-	24.35	789.37	0.00	789.37	--	--
	9/3/2021	813.72	-	24.71	789.01	0.00	789.01	--	--
	10/26/2021	813.72	-	24.57	789.15	0.00	789.15	--	--
	1/24/2022	813.72	-	24.94	788.78	0.00	788.78	--	--
	3/28/2022	813.72	-	24.64	789.08	0.00	789.08	--	--
	4/18/2022	813.72	-	24.27	789.45	0.00	789.45	--	--
7/27/2022	813.72	-	24.40	789.32	0.00	789.32	--	--	

Table 2

Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
MW-09-33	9/3/2021	821.70	-	32.72	788.98	0.00	788.98	0.02	0.0007
	10/26/2021	821.70	-	32.60	789.10	0.00	789.10	0.00	0.0000
	1/24/2022	821.70	-	32.93	788.77	0.00	788.77	0.01	0.0003
	3/28/2022	821.70	-	32.69	789.01	0.00	789.01	0.03	-0.0010
	4/18/2022	821.70	-	32.20	789.50	0.00	789.50	0.12	0.0041
	7/27/2022	821.70	-	32.50	789.20	0.00	789.20	0.08	-0.0027
MW-09-60	9/3/2021	821.68	-	32.72	788.96	0.00	788.96	--	--
	10/26/2021	821.68	-	32.58	789.10	0.00	789.10	--	--
	1/24/2022	821.68	-	32.92	788.76	0.00	788.76	--	--
	3/28/2022	821.68	-	32.64	789.04	0.00	789.04	--	--
	4/18/2022	821.68	-	32.30	789.38	0.00	789.38	--	--
	7/27/2022	821.68	-	32.40	789.28	0.00	789.28	--	--
MW-10-32	9/3/2021	819.18	-	30.18	789.00	0.00	789.00	--	--
	10/26/2021	819.18	-	30.05	789.13	0.00	789.13	--	--
	1/24/2022	819.18	-	30.36	788.82	0.00	788.82	--	--
	3/28/2022	819.18	-	30.14	789.04	0.00	789.04	--	--
	4/18/2022	819.18	-	29.65	789.53	0.00	789.53	--	--
	7/27/2022	819.18	-	29.90	789.28	0.00	789.28	--	--
MW-11-32	9/3/2021	819.57	-	30.58	788.99	0.00	788.99	--	--
	10/26/2021	819.57	-	30.47	789.10	0.00	789.10	--	--
	1/24/2022	819.57	-	30.82	788.75	0.00	788.75	--	--
	3/28/2022	819.57	-	30.52	789.05	0.00	789.05	--	--
	4/18/2022	819.57	-	30.12	789.45	0.00	789.45	--	--
	7/27/2022	819.57	-	30.30	789.27	0.00	789.27	--	--
MW-12-31	9/3/2021	817.06	-	28.10	788.96	0.00	788.96	--	--
	10/26/2021	817.06	-	27.98	789.08	0.00	789.08	--	--
	1/24/2022	817.06	-	28.31	788.75	0.00	788.75	--	--
	3/28/2022	817.06	-	28.02	789.04	0.00	789.04	--	--
	4/18/2022	817.06	-	27.56	789.50	0.00	789.50	--	--
	7/27/2022	817.06	-	27.80	789.26	0.00	789.26	--	--

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Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
MW-13-33	9/3/2021	821.46	-	32.48	788.98	0.00	788.98	--	--
	10/26/2021	821.46	-	32.35	789.11	0.00	789.11	--	--
	1/24/2022	821.46	-	32.68	788.78	0.00	788.78	--	--
	3/28/2022	821.46	-	32.40	789.06	0.00	789.06	--	--
	4/18/2022	821.46	-	31.99	789.47	0.00	789.47	--	--
	7/27/2022	821.46	-	32.30	789.16	0.00	789.16	--	--
MW-14-31	9/3/2021	816.14	-	27.11	789.03	0.00	789.03	--	--
	10/26/2021	816.14	-	26.98	789.16	0.00	789.16	--	--
	1/24/2022	816.14	-	27.36	788.78	0.00	788.78	--	--
	3/28/2022	816.14	-	27.06	789.08	0.00	789.08	--	--
	4/18/2022	816.14	-	26.62	789.52	0.00	789.52	--	--
	6/2/2022	816.14	-	26.54	789.60	0.00	789.60	--	--
	7/13/2022	816.14	-	26.71	789.43	0.00	789.43	--	--
	7/27/2022	816.14	-	26.80	789.34	0.00	789.34	--	--
	8/23/2022	816.14	-	26.95	789.19	0.00	789.19	--	--
MW-15-32	9/3/2021	821.51	-	32.55	788.96	0.00	788.96	--	--
	10/26/2021	821.51	-	32.44	789.07	0.00	789.07	--	--
	1/24/2022	821.51	-	32.74	788.77	0.00	788.77	--	--
	3/28/2022	821.51	-	32.50	789.01	0.00	789.01	--	--
	4/18/2022	821.51	-	32.02	789.49	0.00	789.49	--	--
	7/27/2022	821.51	-	32.30	789.21	0.00	789.21	--	--
MW-16-29	9/3/2021	815.76	-	26.80	788.96	0.00	788.96	--	--
	10/26/2021	815.76	-	26.68	789.08	0.00	789.08	--	--
	1/24/2022	815.76	-	26.99	788.77	0.00	788.77	--	--
	3/28/2022	815.76	-	26.75	789.01	0.00	789.01	--	--
	4/18/2022	815.76	-	26.24	789.52	0.00	789.52	--	--
	7/27/2022	815.76	-	26.50	789.26	0.00	789.26	--	--
MW-17-20	12/14/2021	806.76	-	17.74	789.02	0.00	789.02	--	--
	1/24/2022	806.76	-	17.85	788.91	0.00	788.91	--	--
	3/28/2022	806.76	-	17.60	789.16	0.00	789.16	--	--
	4/18/2022	806.76	-	17.11	789.65	0.00	789.65	--	--
	7/27/2022	806.76	-	17.40	789.36	0.00	789.36	--	--

Table 2

Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data						Well Pair Data	
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
MW-18-31	8/23/2022	817.61	-	28.37	789.24	0.00	789.24	--	--
RW-1	6/21/2021	816.12	26.27	28.28	787.84	2.01	789.23	--	--
	7/8/2021	816.12	26.34	28.26	787.86	1.92	789.19	--	--
	7/12/2021	816.12	26.37	28.32	787.80	1.95	789.15	--	--
	8/12/2021	816.12	26.83	28.12	788.00	1.29	788.90	--	--
	8/25/2021	814.20	24.48	26.20	788.00	1.72	789.19	--	--
	9/21/2021	814.20	24.81	26.48	787.72	1.67	788.88	--	--
	10/26/2021	814.20	24.54	25.80	788.40	1.26	789.27	--	--
	11/30/2021	814.20	24.96	25.98	788.22	1.02	788.93	--	--
	1/24/2022	814.20	24.93	26.45	787.75	1.52	788.80	--	--
	3/28/2022	814.20	25.18	26.48	787.72	1.30	788.62	--	--
	4/18/2022	814.20	24.67	24.71	789.49	0.04	789.52	--	--
	4/27/2022	814.20	24.40	24.76	789.44	0.36	789.69	--	--
	5/11/2022	814.20	24.47	24.50	789.70	0.03	789.72	--	--
	6/2/2022	814.20	24.49	24.94	789.26	0.45	789.57	--	--
	7/13/2022	814.20	24.41	25.21	788.99	0.80	789.54	--	--
	7/27/2022	814.20	24.46	25.79	788.41	1.33	789.33	--	--
	8/8/2022	814.20	24.48	25.81	788.39	1.33	789.31	--	--
	8/12/2022	814.20	24.69	25.52	788.68	0.83	789.25	--	--
	8/23/2022	814.20	24.68	25.70	788.50	1.02	789.21	--	--
	8/30/2022	814.20	24.54	25.52	788.68	0.98	789.36	--	--

Table 2

**Historical Groundwater and Product Elevation Data
MP312 Valve Site
Fort Atkinson, Wisconsin**

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
RW-2	6/21/2021	816.33	26.47	28.52	787.81	2.05	789.23	--	--
	7/8/2021	816.33	26.54	28.46	787.87	1.92	789.20	--	--
	7/12/2021	816.33	26.56	28.55	787.78	1.99	789.15	--	--
	8/12/2021	816.33	26.61	28.40	787.93	1.79	789.17	--	--
	8/25/2021	814.20	24.29	24.68	789.52	0.39	789.79	--	--
	9/21/2021	814.20	24.63	26.22	787.98	1.59	789.08	--	--
	10/26/2021	814.20	24.75	25.90	788.30	1.15	789.09	--	--
	11/30/2021	814.20	24.77	25.78	788.42	1.01	789.12	--	--
	1/24/2022	814.20	24.72	26.25	787.95	1.53	789.01	--	--
	3/28/2022	814.20	25.17	26.51	787.69	1.34	788.62	--	--
	4/18/2022	814.20	24.45	24.48	789.72	0.03	789.74	--	--
	4/27/2022	814.20	24.28	24.38	789.82	0.10	789.89	--	--
	5/11/2022	814.20	24.27	24.29	789.91	0.02	789.92	--	--
	6/2/2022	814.20	24.42	24.46	789.74	0.04	789.77	--	--
	7/13/2022	814.20	24.37	24.60	789.60	0.23	789.76	--	--
	7/27/2022	814.20	24.35	25.32	788.88	0.97	789.55	--	--
	8/8/2022	814.20	24.45	25.44	788.76	0.99	789.44	--	--
	8/12/2022	814.20	24.57	25.12	789.08	0.55	789.46	--	--
	8/23/2022	814.20	24.61	25.31	788.89	0.70	789.37	--	--
	8/30/2022	814.20	24.49	25.18	789.02	0.69	789.50	--	--

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Historical Groundwater and Product Elevation Data
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 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data						Well Pair Data	
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
RW-3	6/21/2021	816.77	27.41	27.46	789.31	0.05	789.34	--	--
	7/8/2021	816.77	27.17	27.97	788.80	0.80	789.36	--	--
	7/12/2021	816.77	27.17	28.22	788.55	1.05	789.28	--	--
	8/12/2021	816.77	27.35	27.77	789.00	0.42	789.29	--	--
	10/26/2021	814.24	24.62	26.14	788.10	1.52	789.15	--	--
	11/30/2021	814.24	24.77	25.38	788.86	0.61	789.28	--	--
	1/24/2022	814.24	24.84	26.75	787.49	1.91	788.81	--	--
	3/28/2022	814.24	25.59	26.64	787.60	1.05	788.32	--	--
	4/18/2022	814.24	24.65	24.79	789.45	0.14	789.55	--	--
	4/27/2022	814.24	24.49	24.79	789.45	0.30	789.66	--	--
	5/11/2022	814.24	24.45	24.65	789.59	0.20	789.73	--	--
	6/2/2022	814.24	24.60	24.81	789.43	0.21	789.57	--	--
	7/13/2022	814.24	24.72	25.06	789.18	0.34	789.41	--	--
	7/27/2022	814.24	24.75	25.21	789.03	0.46	789.35	--	--
	8/9/2022	814.24	24.78	25.37	788.87	0.59	789.28	--	--
	8/12/2022	814.24	24.80	25.38	788.86	0.58	789.26	--	--
	8/23/2022	814.24	25.20	25.49	788.75	0.29	788.95	--	--
8/30/2022	814.24	25.10	25.25	788.99	0.15	789.09	--	--	

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Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
RW-4	6/21/2021	816.97	27.12	29.14	787.83	2.02	789.23	--	--
	7/8/2021	816.97	27.17	29.04	787.93	1.87	789.23	--	--
	7/12/2021	816.97	27.23	29.18	787.79	1.95	789.14	--	--
	8/12/2021	816.97	26.81	28.51	788.46	1.70	789.64	--	--
	8/25/2021	814.40	24.68	26.35	788.05	1.67	789.20	--	--
	9/21/2021	814.40	25.09	26.50	787.90	1.41	788.87	--	--
	10/26/2021	814.40	25.03	25.88	788.52	0.85	789.11	--	--
	11/30/2021	814.40	25.19	26.12	788.28	0.93	788.92	--	--
	1/24/2022	814.40	25.15	26.68	787.72	1.53	788.78	--	--
	3/28/2022	814.40	25.37	26.79	787.61	1.42	788.59	--	--
	4/18/2022	814.40	24.88	24.89	789.51	0.01	789.52	--	--
	4/27/2022	814.40	24.71	24.72	789.68	0.01	789.69	--	--
	5/11/2022	814.40	24.66	24.68	789.72	0.02	789.73	--	--
	6/2/2022	814.40	24.82	24.83	789.57	0.01	789.58	--	--
	7/13/2022	814.40	24.98	25.03	789.37	0.05	789.40	--	--
	7/27/2022	814.40	25.05	25.13	789.27	0.08	789.33	--	--
	8/9/2022	814.40	25.05	25.30	789.10	0.25	789.27	--	--
	8/12/2022	814.40	25.12	25.13	789.27	0.01	789.28	--	--
	8/23/2022	814.40	25.18	25.30	789.10	0.12	789.18	--	--
	8/30/2022	814.40	25.08	25.10	789.30	0.02	789.31	--	--

Table 2

**Historical Groundwater and Product Elevation Data
MP312 Valve Site
Fort Atkinson, Wisconsin**

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
RW-5	6/21/2021	816.80	27.28	27.86	788.94	0.58	789.34	--	--
	7/8/2021	816.80	27.23	27.94	788.86	0.71	789.35	--	--
	7/12/2021	816.80	27.25	28.17	788.63	0.92	789.26	--	--
	8/12/2021	816.80	27.35	27.86	788.94	0.51	789.29	--	--
	8/25/2021	814.40	24.90	26.25	788.15	1.35	789.08	--	--
	9/21/2021	814.40	25.56	25.58	788.82	0.02	788.83	--	--
	10/26/2021	814.40	25.10	25.90	788.50	0.80	789.05	--	--
	11/30/2021	814.40	25.48	25.56	788.84	0.08	788.90	--	--
	1/24/2022	814.40	25.29	26.40	788.00	1.11	788.77	--	--
	3/28/2022	814.40	25.14	26.65	787.75	1.51	788.79	--	--
	4/18/2022	814.40	24.83	24.95	789.45	0.12	789.53	--	--
	4/27/2022	814.40	24.70	24.85	789.55	0.15	789.65	--	--
	5/11/2022	814.40	24.64	24.84	789.56	0.20	789.70	--	--
	6/2/2022	814.40	24.76	25.08	789.32	0.32	789.54	--	--
	7/13/2022	814.40	24.92	25.28	789.12	0.36	789.37	--	--
	7/27/2022	814.40	25.01	25.30	789.10	0.29	789.30	--	--
	8/9/2022	814.40	25.08	25.31	789.09	0.23	789.25	--	--
	8/12/2022	814.40	25.13	25.40	789.00	0.27	789.19	--	--
	8/23/2022	814.40	25.01	25.32	789.08	0.31	789.29	--	--
	8/30/2022	814.40	24.86	25.15	789.25	0.29	789.45	--	--

Table 2

Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
RW-6	6/21/2021	816.53	26.67	28.81	787.72	2.14	789.20	--	--
	7/8/2021	816.53	26.74	28.63	787.90	1.89	789.20	--	--
	7/12/2021	816.53	26.78	28.81	787.72	2.03	789.12	--	--
	8/12/2021	816.53	26.91	28.46	788.07	1.55	789.14	--	--
	8/25/2021	814.40	24.54	26.48	787.92	1.94	789.26	--	--
	9/21/2021	814.40	25.63	25.92	788.48	0.29	788.68	--	--
	10/26/2021	814.40	25.25	26.04	788.36	0.79	788.91	--	--
	11/30/2021	814.40	25.33	25.52	788.88	0.19	789.01	--	--
	1/24/2022	814.40	25.42	26.79	787.61	1.37	788.56	--	--
	3/28/2022	814.40	25.28	26.73	787.67	1.45	788.67	--	--
	4/18/2022	814.40	24.85	25.15	789.25	0.30	789.46	--	--
	4/27/2022	814.40	24.79	24.82	789.58	0.03	789.60	--	--
	5/11/2022	814.40	24.53	24.64	789.76	0.11	789.84	--	--
	6/2/2022	814.40	24.69	24.76	789.64	0.07	789.69	--	--
	7/13/2022	814.40	24.76	24.95	789.45	0.19	789.58	--	--
	7/27/2022	814.40	24.84	25.20	789.20	0.36	789.45	--	--
	8/9/2022	814.40	24.91	25.20	789.20	0.29	789.40	--	--
	8/12/2022	814.40	24.97	25.15	789.25	0.18	789.37	--	--
	8/23/2022	814.40	25.77	25.80	788.60	0.03	788.62	--	--
	8/30/2022	814.40	25.22	25.26	789.14	0.04	789.17	--	--

Table 2

Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
RW-7	6/21/2021	817.14	27.29	29.32	787.82	2.03	789.22	--	--
	7/8/2021	817.14	27.40	29.26	787.88	1.86	789.16	--	--
	7/12/2021	817.14	27.40	29.29	787.85	1.89	789.15	--	--
	8/12/2021	817.14	27.47	29.17	787.97	1.70	789.14	--	--
	8/25/2021	814.80	24.94	26.78	788.02	1.84	789.29	--	--
	9/21/2021	814.80	25.21	26.90	787.90	1.69	789.07	--	--
	10/26/2021	814.80	25.30	26.13	788.67	0.83	789.24	--	--
	11/30/2021	814.80	25.55	26.11	788.69	0.56	789.08	--	--
	1/24/2022	814.80	25.40	26.78	788.02	1.38	788.97	--	--
	3/28/2022	814.80	25.52	26.96	787.84	1.44	788.83	--	--
	4/18/2022	814.80	25.12	25.18	789.62	0.06	789.66	--	--
	4/27/2022	814.80	24.91	25.09	789.71	0.18	789.83	--	--
	5/11/2022	814.80	24.87	24.92	789.88	0.05	789.91	--	--
	6/2/2022	814.80	25.04	25.07	789.73	0.03	789.75	--	--
	7/13/2022	814.80	25.01	25.05	789.75	0.04	789.78	--	--
	7/27/2022	814.80	25.09	25.76	789.04	0.67	789.50	--	--
	8/9/2022	814.80	25.09	25.93	788.87	0.84	789.45	--	--
	8/12/2022	814.80	25.34	25.38	789.42	0.04	789.45	--	--
	8/23/2022	814.80	24.14	25.94	788.86	1.80	790.10	--	--
	8/30/2022	814.80	25.06	25.85	788.95	0.79	789.50	--	--

Table 2

**Historical Groundwater and Product Elevation Data
MP312 Valve Site
Fort Atkinson, Wisconsin**

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
RW-8	6/21/2021	816.99	27.15	29.31	787.68	2.16	789.17	--	--
	7/8/2021	816.99	27.25	29.11	787.88	1.86	789.16	--	--
	7/12/2021	816.99	27.27	29.29	787.70	2.02	789.09	--	--
	8/12/2021	816.99	27.32	29.11	787.88	1.79	789.11	--	--
	8/25/2021	814.80	25.26	27.17	787.63	1.91	788.95	--	--
	9/21/2021	814.80	25.59	27.16	787.64	1.57	788.72	--	--
	10/26/2021	814.80	25.60	26.50	788.30	0.90	788.92	--	--
	11/30/2021	814.80	25.93	26.29	788.51	0.36	788.76	--	--
	1/24/2022	814.80	25.65	27.30	787.50	1.65	788.64	--	--
	3/28/2022	814.80	25.76	27.19	787.61	1.43	788.60	--	--
	4/18/2022	814.80	25.41	25.60	789.20	0.19	789.33	--	--
	4/27/2022	814.80	25.22	25.42	789.38	0.20	789.52	--	--
	5/11/2022	814.80	25.04	25.67	789.13	0.63	789.57	--	--
	6/2/2022	814.80	25.19	25.80	789.00	0.61	789.42	--	--
	7/13/2022	814.80	25.37	25.92	788.88	0.55	789.26	--	--
	7/27/2022	814.80	25.46	25.95	788.85	0.49	789.19	--	--
	8/8/2022	814.80	25.55	25.79	789.01	0.24	789.18	--	--
	8/12/2022	814.80	25.68	25.74	789.06	0.06	789.10	--	--
	8/23/2022	814.80	25.30	25.42	789.38	0.12	789.46	--	--
	8/30/2022	814.80	25.63	25.64	789.16	0.01	789.17	--	--

Table 2

Historical Groundwater and Product Elevation Data
 MP312 Valve Site
 Fort Atkinson, Wisconsin

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
RW-9	6/21/2021	818.20	27.98	30.13	788.07	2.15	789.55	--	--
	7/8/2021	818.20	28.06	29.95	788.25	1.89	789.55	--	--
	7/12/2021	818.20	28.17	30.13	788.07	1.96	789.42	--	--
	8/12/2021	818.20	28.15	29.94	788.26	1.79	789.49	--	--
	8/25/2021	814.80	25.68	27.52	787.28	1.84	788.55	--	--
	9/21/2021	814.80	25.29	27.03	787.77	1.74	788.97	--	--
	10/26/2021	814.80	25.23	26.52	788.28	1.29	789.17	--	--
	11/30/2021	814.80	25.46	26.52	788.28	1.06	789.01	--	--
	1/24/2022	814.80	25.40	27.06	787.74	1.66	788.89	--	--
	3/28/2022	814.80	25.85	27.33	787.47	1.48	788.49	--	--
	4/18/2022	814.80	25.19	25.21	789.59	0.02	789.60	--	--
	4/27/2022	814.80	25.02	25.03	789.77	0.01	789.78	--	--
	5/11/2022	814.80	24.98	25.02	789.78	0.04	789.81	--	--
	6/2/2022	814.80	25.14	25.16	789.64	0.02	789.65	--	--
	7/13/2022	814.80	25.28	25.30	789.50	0.02	789.51	--	--
	7/27/2022	814.80	25.37	25.40	789.40	0.03	789.42	--	--
	8/9/2022	814.80	25.42	25.44	789.36	0.02	789.37	--	--
	8/12/2022	814.80	-	25.43	789.37	0.00	789.37	--	--
	8/23/2022	814.80	25.53	25.59	789.21	0.06	789.25	--	--
	8/30/2022	814.80	25.39	25.41	789.39	0.02	789.40	--	--
RW-10	10/26/2021	814.36	-	25.16	789.20	0.00	789.20	--	--
	11/30/2021	814.36	-	25.34	789.02	0.00	789.02	--	--
	1/24/2022	814.36	-	25.46	788.90	0.00	788.90	--	--
	3/28/2022	814.36	-	25.79	788.57	0.00	788.57	--	--
	4/18/2022	814.36	-	NM	-	-	-	--	--
	5/11/2022	814.36	-	24.54	789.82	0.00	789.82	--	--
	6/2/2022	814.36	-	24.68	789.68	0.00	789.68	--	--
	7/13/2022	814.36	-	24.85	789.51	0.00	789.51	--	--
	7/27/2022	814.36	-	24.91	789.45	0.00	789.45	--	--
	8/9/2022	814.36	-	24.98	789.38	0.00	789.38	--	--
	8/12/2022	814.36	-	24.98	789.38	0.00	789.38	--	--
	8/23/2022	814.36	-	24.92	789.44	0.00	789.44	--	--
8/30/2022	814.36	-	24.90	789.46	0.00	789.46	--	--	

Table 2

**Historical Groundwater and Product Elevation Data
MP312 Valve Site
Fort Atkinson, Wisconsin**

Well ID	Date	Groundwater Elevation Data					Well Pair Data		
		TOC Elevation (feet amsl) (a)	Depth to Product (feet btoc)	Depth to Water (feet btoc)	Groundwater Elevation (feet amsl)	Product Thickness (feet)	Product-Corrected Groundwater Elevation (feet amsl) (b)	Vertical Hydraulic Head Difference (feet)	Vertical Hydraulic Gradient (c)
RW-11	10/26/2021	814.39	-	25.24	789.15	0.00	789.15	--	--
	11/30/2021	814.39	-	25.45	788.94	0.00	788.94	--	--
	1/24/2022	814.39	-	25.59	788.80	0.00	788.80	--	--
	3/28/2022	814.39	-	26.04	788.35	0.00	788.35	--	--
	4/18/2022	814.39	-	NM	-	-	-	--	--
	5/11/2022	814.39	-	24.64	789.75	0.00	789.75	--	--
	6/2/2022	814.39	-	24.78	789.61	0.00	789.61	--	--
	7/13/2022	814.39	-	24.96	789.43	0.00	789.43	--	--
	7/27/2022	814.39	-	24.98	789.41	0.00	789.41	--	--
	8/9/2022	814.39	-	25.09	789.30	0.00	789.30	--	--
	8/12/2022	814.39	-	25.11	789.28	0.00	789.28	--	--
	8/23/2022	814.39	-	25.20	789.19	0.00	789.19	--	--
	8/30/2022	814.39	-	25.15	789.24	0.00	789.24	--	--

a/ TOC = top of casing; ft amsl = feet above mean sea level; NM = not measured; ft btoc = feet below top of casing

b/ Product-corrected groundwater elevation calculated using specific gravity = 0.6643.

c/ Negative value is downward gradient; positive value is upward gradient

Table 3

Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Volatile Organic Compounds

Well ID	Sample Date	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Cyclohexane (µg/L)	n-Hexane (µg/L)	Methylcyclohexane (µg/L)	Methyl-tert-butyl ether (µg/L)	Trichloroethene (µg/L)
	Enforcement Standard (a)	5	700	800	2,000	NE	600	NE	60	5
	Preventive Action Limit (a)	0.5	140	160	400	NE	120	NE	12	0.5
	Residential Vapor Risk Screening Level (b)	27.2	69.2	35,500	766	1,730	16.6	NE	7,270	5
	Commercial Vapor Risk Screening Level (b)	119	302	149,000	3,220	7,280	69.5	NE	31,800	5
MW-01-32	10/09/20	23,700	222	7,650	728	NA	NA	NA	<249	<51.0
	01/15/21	24,400	244	10,400	775	NA	NA	NA	<249	<51.0
	04/01/21	17,600	220	9,280	758	1,180	178 J	259	89.9 J	<12.8
	07/08/21	21,800	188	8,150	586	933	<73.1	175 J	<56.5	<16.0
	10/26/21	18,900	167 J	7,830	503	556 J	<292	<239	<226	<63.9
	01/25/22	20,700	207	8,690	637	1,600	1,480	424 J	<144	<40.0
	04/20/22	22,200	223	9,560	743	1,460	272 J	290 J	<226	<63.9
	07/27/22	15,300	<40.6	647	58.5 J	636	1,210	<149	<141	<40.0
MW-01-63	09/08/21	0.50 J	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/27/21	0.41 J	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	1.6 J	<0.32
	01/25/22	0.80 J	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/19/22	1.1	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/27/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-02-25	10/08/20	<0.25	<0.32	<0.27	<0.73	NA	NA	NA	<1.2	<0.26
	01/14/21	<0.25	<0.32	<0.27	<0.26	NA	NA	NA	<1.2	<0.26
	04/01/21	<0.25	<0.32	<0.27	<0.73	<1.3	<1.7	<0.87	<1.2	<0.26
	07/08/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/25/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/24/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/19/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/27/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-02-55	09/08/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/27/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/24/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/19/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/25/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32

Table 3

**Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin**

		Field Parameters (Final Reading)								
Well ID	Sample Date	Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor
	Enforcement Standard (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Preventive Action Limit (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Residential Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Commercial Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
MW-01-32	10/09/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/15/21	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/21	8.25	6.90	0.909	5.2	2.65	12.11	-88	Clear	Mild Odor
	07/08/21	4.2	7.81	0.810	0.0	0.00	16.75	35	Clear	None
	10/26/21	10	7.04	0.655	4.4	0.70	15.33	-59	Clear	Slight Odor
	01/25/22	8	6.59	0.800	0.0	0.00	11.88	-20	Clear	Slight Odor
	04/20/22	15	7.06	0.901	3.9	1.42	12.19	-110	Clear	Slight Odor
	07/27/22	16.5	6.23	0.977	36.7	0.49	20.75	-104	Clear	None
MW-01-63	09/08/21	15.6	7.27	0.666	10.8	0.00	16.24	-192	Clear	None
	10/27/21	16.5	7.26	0.662	6.0	0.00	15.06	-168	Clear	None
	01/25/22	14	7.16	0.829	0.0	1.88	11.75	-57	Clear	None
	04/19/22	NA	7.51	0.844	8.3	4.39	13.38	-71	Clear	Slight Odor
	07/27/22	9	6.96	1.08	0.0	0.34	15.34	-119	Clear	None
MW-02-25	10/08/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/14/21	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/21	8.85	7.29	0.840	7.3	7.78	4.49	131	Clear	None
	07/08/21	8.4	7.08	0.767	0.0	0.79	13.31	278	Clear	None
	10/25/21	7.75	7.29	0.515	0.0	0.58	15.06	205	Clear	None
	01/24/22	8	7.12	0.756	0.0	0.00	9.64	83	Clear	None
	04/19/22	13.5	7.21	0.858	1.1	5.82	9.92	174	Clear	None
	07/27/22	15	7.23	0.865	1.4	6.09	9.71	183	Clear	None
MW-02-55	09/08/21	15	7.11	0.934	230	1.35	14.80	-69	Cloudy	None
	10/27/21	24	7.08	1.24	3.1	5.42	13.05	22	Clear	None
	01/24/22	23.5	7.32	1.09	15.5	0.93	10.19	-60	Clear	None
	04/19/22	13	6.73	1.23	4.7	3.17	10.68	3	Clear	None
	07/25/22	21	8.08	1.21	8.4	5.05	14.13	-56	Clear	None

Table 3

Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Volatile Organic Compounds

Well ID	Sample Date	Volatile Organic Compounds								
		Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Cyclohexane (µg/L)	n-Hexane (µg/L)	Methylcyclohexane (µg/L)	Methyl-tert-butyl ether (µg/L)	Trichloroethene (µg/L)
	Enforcement Standard (a)	5	700	800	2,000	NE	600	NE	60	5
	Preventive Action Limit (a)	0.5	140	160	400	NE	120	NE	12	0.5
	Residential Vapor Risk Screening Level (b)	27.2	69.2	35,500	766	1,730	16.6	NE	7,270	5
	Commercial Vapor Risk Screening Level (b)	119	302	149,000	3,220	7,280	69.5	NE	31,800	5
MW-03-25	10/08/20	<0.25	<0.32	<0.27	<0.73	NA	NA	NA	<1.2	<0.26
	01/14/21	<0.25	<0.32	<0.27	<0.26	NA	NA	NA	<1.2	<0.26
	04/01/21	<0.25	<0.32	<0.27	<0.73	<1.3	<1.7	<0.87	<1.2	<0.26
	07/08/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/25/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/24/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/18/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/25/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-04-29	10/08/20	<0.25	<0.32	<0.27	<0.73	NA	NA	NA	<1.2	<0.26
	01/14/21	<0.25	<0.32	<0.27	<0.26	NA	NA	NA	<1.2	<0.26
	04/01/21	<0.25	<0.32	<0.27	<0.73	<1.3	<1.7	<0.87	<1.2	<0.26
	07/08/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/26/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/24/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/18/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/26/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-05-30	10/08/20	<0.25	<0.32	<0.27	<0.73	NA	NA	NA	<1.2	<0.26
	01/14/21	<0.25	<0.32	<0.27	<0.26	NA	NA	NA	<1.2	<0.26
	04/01/21	<0.25	<0.32	<0.27	<0.73	<1.3	<1.7	<0.87	<1.2	<0.26
	07/09/21	0.61 J	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	09/01/21	1.3	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/27/21	2.0	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/25/22	1.9	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/19/22	1.2	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
07/26/22	1.6	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32	

Table 3

Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

		Field Parameters (Final Reading)								
Well ID	Sample Date	Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor
	Enforcement Standard (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Preventive Action Limit (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Residential Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Commercial Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
MW-03-25	10/08/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/14/21	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/21	5	7.20	0.952	3.1	0.00	8.00	146	Clear	None
	07/08/21	11.2	6.75	0.729	40.7	2.45	17.14	170	Clear	None
	10/25/21	11	7.18	0.561	0.0	3.00	13.81	244	Clear	None
	01/24/22	7	6.94	0.860	0.0	0.00	9.12	122	Clear	None
	04/18/22	9	7.21	0.974	1.3	0.46	7.81	202	Clear	None
	07/25/22	6	6.79	0.913	0.0	2.40	13.22	153	Clear	None
MW-04-29	10/08/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/14/21	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/21	5.25	6.92	0.878	6.1	6.55	8.58	164	Clear	None
	07/08/21	5.85	5.95	0.734	0.0	4.10	15.12	311	Clear	None
	10/26/21	9	7.10	0.604	13.3	4.69	13.05	177	Clear	None
	01/24/22	6	7.12	0.749	0.0	1.95	8.72	134	Clear	None
	04/18/22	10.5	7.38	0.802	5.5	3.02	8.53	201	Clear	None
	07/26/22	23	6.19	0.87	82.4	5.50	12.09	147	Clear	None
MW-05-30	10/08/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/14/21	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/21	6	6.77	1.13	10.1	3.47	8.26	160	Clear	None
	07/09/21	7.15	6.61	1.12	0.0	0.45	14.51	113	Clear	None
	09/01/21	13.2	6.70	0.932	2.1	0.85	15.11	140	Clear	None
	10/27/21	10	7.01	0.751	0.0	0.69	15.07	170	Clear	None
	01/25/22	7	6.76	0.986	0.0	0.00	8.99	178	Clear	None
	04/19/22	9	6.95	1.11	6.1	0.00	12.95	188	Clear	None
07/26/22	7.5	7.24	3.02	0.0	1.49	21.08	61	Clear	None	

Table 3

Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Volatile Organic Compounds

Well ID	Sample Date	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Cyclohexane (µg/L)	n-Hexane (µg/L)	Methylcyclohexane (µg/L)	Methyl-tert-butyl ether (µg/L)	Trichloroethene (µg/L)
	Enforcement Standard (a)	5	700	800	2,000	NE	600	NE	60	5
	Preventive Action Limit (a)	0.5	140	160	400	NE	120	NE	12	0.5
	Residential Vapor Risk Screening Level (b)	27.2	69.2	35,500	766	1,730	16.6	NE	7,270	5
	Commercial Vapor Risk Screening Level (b)	119	302	149,000	3,220	7,280	69.5	NE	31,800	5
MW-05-60	09/01/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/27/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/25/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/19/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/26/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	NA	<0.32
MW-06-32	10/08/20	<0.25	<0.32	<0.27	<0.73	NA	NA	NA	<1.2	1.0
	01/14/21	0.34 J	<0.32	<0.27	<0.26	NA	NA	NA	<1.2	1.7
	04/01/21	3.4	<0.32	<0.27	<0.73	<1.3	<1.7	<0.87	<1.2	0.95 J
	05/26/21	4.7	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	1.3
	06/24/21	6.3	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	1.3
	07/09/21	6.8	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	1.1
	08/31/21	7.5	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	0.53 J
	10/27/21	5.9	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	1.6
	01/24/22	4.7	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	1.9
	04/19/22	2.1	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	3.3
	07/26/22	0.86 J	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	2.7
MW-06-60	08/31/21	<0.30	<0.33	0.33 J	<1.05	<1.3	<1.5	<1.2	<1.1	11.3
	10/27/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	15.0
	01/24/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	12.5
	04/19/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	16.9
	07/26/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	19.7
MW-06-100	08/23/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
MW-07-32	10/09/20	<0.25	<0.32	<0.27	<0.73	NA	NA	NA	<1.2	<0.26
	01/14/21	<0.25	<0.32	<0.27	<0.26	NA	NA	NA	<1.2	<0.26
	04/01/21	<0.25	<0.32	<0.27	<0.73	<1.3	<1.7	<0.87	<1.2	<0.26
	07/08/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/26/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/26/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/19/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/25/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32

Table 3

**Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin**

Well ID	Sample Date	Field Parameters (Final Reading)								
		Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor
	Enforcement Standard (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Preventive Action Limit (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Residential Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Commercial Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
MW-05-60	09/01/21	27.6	7.52	0.611	14.1	0.00	15.45	-530	Clear	None
	10/27/21	11	7.51	0.718	22.9	5.98	13.84	1	Clear	None
	01/25/22	16.5	7.32	0.858	0.0	0.00	11.14	-112	Clear	None
	04/19/22	17	6.76	0.92	0.4	0.88	12.20	63	Clear	None
	07/26/22	30	7.59	2.380	3.4	0.42	17.74	2	Clear	None
MW-06-32	10/08/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/14/21	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/21	4.5	6.74	1.18	0.9	0.85	11.37	163	Clear	None
	05/26/21	6.25	6.73	0.991	6.1	0.00	21.41	127	Clear	None
	06/24/21	NA	NA	NA	NA	NA	NA	NA	NA	NA
	07/09/21	7.2	6.35	1.05	0.0	0.00	21.51	324	Clear	None
	08/31/21	13.2	6.66	0.824	3.3	0.00	22.41	149	Clear	None
	10/27/21	10	7.10	0.808	0.0	0.00	13.93	169	Clear	None
	01/24/22	11	6.40	0.939	0.0	0.00	11.09	56	Clear	None
	04/19/22	13.75	6.41	1.06	0.0	0.35	14.46	125	Clear	None
07/26/22	8	7.48	2.83	0.0	8.52	16.47	23	Clear	None	
MW-06-60	08/31/21	18	7.32	0.626	9.5	0.14	15.47	-522	Clear	None
	10/27/21	22.5	7.35	0.680	31.0	0.00	14.07	-144	Clear	None
	01/24/22	8	7.24	0.930	0.0	0.00	9.77	-69	Clear	None
	04/19/22	12.5	6.66	1.030	5.9	0.00	12.75	-39	Clear	None
	07/26/22	7.5	7.70	2.61	0.0	0.95	17.96	-69	Clear	None
MW-06-100	08/23/22	6	7.42	1.01	26.4	0.00	17.63	-554	Clear	None
MW-07-32	10/09/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/14/21	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/21	13	7.44	0.905	17.0	12.90	9.76	189	Clear	None
	07/08/21	6.75	6.90	1.03	42.2	5.58	12.89	163	Clear	None
	10/26/21	11.5	7.15	0.721	9.3	6.29	13.09	159	Clear	None
	01/26/22	12	6.99	1.02	4.1	10.49	6.97	125	Clear	None
	04/19/22	24	7.12	1.05	15.1	8.25	9.94	210	Clear	None
07/25/22	34	8.03	1.14	8.4	9.29	11.43	90	Clear	None	

Table 3

Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Volatile Organic Compounds

Well ID	Sample Date	Volatile Organic Compounds								
		Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Cyclohexane (µg/L)	n-Hexane (µg/L)	Methylcyclohexane (µg/L)	Methyl-tert-butyl ether (µg/L)	Trichloroethene (µg/L)
	Enforcement Standard (a)	5	700	800	2,000	NE	600	NE	60	5
	Preventive Action Limit (a)	0.5	140	160	400	NE	120	NE	12	0.5
	Residential Vapor Risk Screening Level (b)	27.2	69.2	35,500	766	1,730	16.6	NE	7,270	5
	Commercial Vapor Risk Screening Level (b)	119	302	149,000	3,220	7,280	69.5	NE	31,800	5
MW-07-60	09/08/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/26/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/26/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/19/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/25/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-08-27	10/09/20	<0.25	<0.32	<0.27	<0.73	NA	NA	NA	<1.2	<0.26
	01/14/21	<0.25	<0.32	<0.27	<0.26	NA	NA	NA	<1.2	<0.26
	04/01/21	<0.25	<0.32	<0.27	<0.73	<1.3	<1.7	<0.87	<1.2	<0.26
	07/08/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/26/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/25/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/18/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
07/26/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32	
MW-09-33	09/02/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/27/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/26/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/19/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/25/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-09-60	09/02/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/27/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/26/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/19/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/25/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-10-32	09/08/21	8.9	<0.33	<0.29	<1.05	4.6 J	<1.5	<1.2	6.3	<0.32
	10/27/21	15.3	<0.33	<0.29	<1.05	22.5	10.6	12.0	11.4	<0.32
	01/25/22	19.9	<0.33	<0.29	<1.05	38.1	72.0	16.6	10.2	<0.32
	04/20/22	43.3	<0.33	<0.29	<1.05	31.8	21.9	13.2	5.1	<0.32
	07/27/22	22.1	0.91 J	<0.29	<1.0	18.8	18.4	11.5	7.1	<0.32

Table 3

Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

		Field Parameters (Final Reading)								
Well ID	Sample Date	Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor
	Enforcement Standard (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Preventive Action Limit (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Residential Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Commercial Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
MW-07-60	09/08/21	10.5	7.48	0.428	0.0	0.00	14.49	-329	Clear	None
	10/26/21	10	7.61	0.549	0.0	1.00	13.80	-51	Clear	None
	01/26/22	13.5	7.33	0.763	0.0	0.00	7.70	-49	Clear	None
	04/19/22	10.5	7.74	0.717	2.5	0.00	10.18	-105	Clear	None
	07/25/22	15	8.24	0.892	10.3	1.27	13.77	-63	Clear	None
MW-08-27	10/09/20	NA	NA	NA	NA	NA	NA	NA	NA	NA
	01/14/21	NA	NA	NA	NA	NA	NA	NA	NA	NA
	04/01/21	17	7.48	1.12	7.8	3.66	9.30	167	Clear	None
	07/08/21	6	6.82	1.10	0.0	1.10	12.19	263	Clear	None
	10/26/21	10	7.14	0.765	3.5	8.63	14.10	196	Clear	None
	01/25/22	8	6.84	0.985	0.0	1.69	10.03	54	Clear	None
	04/18/22	13.5	7.40	1.14	7.0	4.22	8.12	198	Clear	None
07/26/22	15	5.73	0.00	501	0.95	16.28	145	Clear	None	
MW-09-33	09/02/21	12	7.35	1.01	0.0	2.88	15.44	50	Clear	None
	10/27/21	10.5	7.14	0.746	0.2	0.00	12.61	236	Clear	None
	01/26/22	10	7.19	0.971	0.0	2.67	10.42	126	Clear	None
	04/19/22	10.5	7.39	0.938	0.0	4.53	10.84	87	Clear	None
	07/25/22	15	4.55	1.07	0.0	0.20	13.10	214	Clear	None
MW-09-60	09/02/21	18	7.53	0.729	0.0	0.60	15.02	-232	Clear	None
	10/27/21	13.5	7.28	0.611	1.6	0.00	13.09	-39	Clear	None
	01/26/22	19.5	7.09	0.860	0.0	0.57	6.50	24	Clear	None
	04/19/22	13.5	7.63	0.790	3.0	3.03	10.88	27	Clear	None
	07/25/22	19.5	6.30	0.899	20.1	4.00	16.78	132	Clear	None
MW-10-32	09/08/21	10.5	6.93	0.737	0.0	0.00	15.97	-73	Clear	None
	10/27/21	18	6.80	0.918	0.0	1.26	15.43	-43	Clear	None
	01/25/22	7	6.66	0.813	0.0	0.00	10.72	0	Clear	None
	04/20/22	15	6.99	0.909	2.5	0.00	11.25	-66	Clear	None
	07/27/22	12	6.98	0.989	0.0	5.54	15.20	-116	Clear	None

Table 3

Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Volatile Organic Compounds

Well ID	Sample Date	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Cyclohexane (µg/L)	n-Hexane (µg/L)	Methylcyclohexane (µg/L)	Methyl-tert-butyl ether (µg/L)	Trichloroethene (µg/L)
	Enforcement Standard (a)	5	700	800	2,000	NE	600	NE	60	5
	Preventive Action Limit (a)	0.5	140	160	400	NE	120	NE	12	0.5
	Residential Vapor Risk Screening Level (b)	27.2	69.2	35,500	766	1,730	16.6	NE	7,270	5
	Commercial Vapor Risk Screening Level (b)	119	302	149,000	3,220	7,280	69.5	NE	31,800	5
MW-11-32	09/08/21	2.2	<0.33	<0.29	<1.05	6.8	<1.5	2.0 J	<1.1	<0.32
	10/27/21	2.0	<0.33	<0.29	<1.05	3.9 J	<1.5	1.6 J	<1.1	0.47 J
	01/25/22	1.8	<0.33	<0.29	<1.05	4.2 J	17.2	2.0 J	<1.1	<0.32
	04/19/22	2.3	<0.33	<0.29	<1.05	6.5	<1.5	2.5 J	<1.1	<0.32
	07/26/22	2.1	<0.33	<0.29	<1.0	4.8 J	<1.5	1.7 J	<1.1	<0.32
MW-12-31	09/01/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/25/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/25/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/18/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/26/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-13-33	09/08/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/27/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/25/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/18/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/26/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-14-31	09/07/21	273	0.77 J	3.4	2.09 J	189	2.1 J	30.2	<1.1	<0.32
	10/27/21	402	0.78 J	1.3	0.45 J	44.4	2.7 J	10.4	<1.1	<0.32
	01/25/22	169	<0.33	0.37 J	0.40 J	69.4	115	25.4	<1.1	<0.32
	04/18/22	169	<1.3	1.4 J	<4.2	70.3	8.4J	19.6 J	<4.5	<1.3
	07/26/22	84.5	0.34 J	<0.29	0.37 J	54.3	13	23.2	<1.1	<0.32

Table 3

Historical GW Sampling Results for Compounds of Concern
 Line 13 MP312 Valve Site
 Fort Atkinson, Wisconsin

		Field Parameters (Final Reading)								
Well ID	Sample Date	Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor
	Enforcement Standard (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Preventive Action Limit (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Residential Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Commercial Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
MW-11-32	09/08/21	12	7.09	0.735	0.0	0.00	15.87	-141	Clear	None
	10/27/21	13.5	6.89	1.05	0.0	0.22	14.99	-92	Clear	None
	01/25/22	10	6.69	0.966	0.0	0.00	11.05	-53	Clear	None
	04/19/22	15	7.07	1.01	17.9	1.08	15.28	-116	Clear	None
	07/26/22	16.5	6.41	1.04	148	0.00	18.48	-113	Clear	None
MW-12-31	09/01/21	10.8	7.17	0.890	2.5	0.80	16.52	107	Clear	None
	10/25/21	15	6.95	1.09	0.0	3.14	14.30	170	Clear	None
	01/25/22	8	7.23	1.03	0.0	0.00	9.12	136	Clear	None
	04/18/22	10.5	7.42	1.18	3.1	0.33	10.11	198	Clear	None
	07/26/22	5.5	6.66	1.1	129	7.68	18.87	155	Clear	None
MW-13-33	09/08/21	19.2	6.17	0.892	0.0	1.11	12.89	-206	Clear	None
	10/27/21	16.5	7.35	0.660	5.1	0.00	13.44	30	Clear	None
	01/25/22	7	7.05	0.829	0.0	2.88	8.51	68	Clear	None
	04/18/22	16.5	7.60	0.795	12.3	5.53	9.35	154	Clear	None
	07/26/22	6	6.07	1.00	0.0	6.03	11.25	181	Clear	None
MW-14-31	09/07/21	12	7.02	0.688	0.0	0.00	17.88	-193	Clear	None
	10/27/21	10	7.18	0.635	0.0	0.00	16.59	-45	Clear	None
	01/25/22	8	6.47	0.884	0.0	0.00	10.13	-6	Clear	None
	04/18/22	7.5	7.42	1.01	8.4	0.00	8.45	-91	Clear	None
	07/26/22	10.5	6.80	0.98	0.0	0.00	19.22	-98	Clear	None

Table 3

Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Volatile Organic Compounds

Well ID	Sample Date	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Cyclohexane (µg/L)	n-Hexane (µg/L)	Methylcyclohexane (µg/L)	Methyl-tert-butyl ether (µg/L)	Trichloroethene (µg/L)
	Enforcement Standard (a)	5	700	800	2,000	NE	600	NE	60	5
	Preventive Action Limit (a)	0.5	140	160	400	NE	120	NE	12	0.5
	Residential Vapor Risk Screening Level (b)	27.2	69.2	35,500	766	1,730	16.6	NE	7,270	5
	Commercial Vapor Risk Screening Level (b)	119	302	149,000	3,220	7,280	69.5	NE	31,800	5
MW-15-32	09/02/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/25/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/25/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/19/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/26/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-16-29	09/01/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	10/25/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/25/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/18/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/26/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-17-20	12/14/21	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	01/25/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	04/21/22	<0.30	<0.33	<0.29	<1.05	<1.3	<1.5	<1.2	<1.1	<0.32
	07/27/22	<0.30	<0.33	<0.29	<1.0	<1.3	<1.5	<1.2	<1.1	<0.32
MW-18-31	8/23/2022	13,400	133	1,410	211.2 J	445 J	<146	<119	<113	<32.0

Table 3

Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

		Field Parameters (Final Reading)								
Well ID	Sample Date	Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor
	Enforcement Standard (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Preventive Action Limit (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Residential Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
	Commercial Vapor Risk Screening Level (b)	NE	NE	NE	NE	NE	NE	NE	NE	NE
MW-15-32	09/02/21	16.8	7.36	0.890	0.0	1.19	15.78	28	Clear	None
	10/25/21	13.5	7.21	0.623	5.3	0.00	12.35	149	Clear	None
	01/25/22	13.5	7.24	0.833	0.0	0.56	7.30	134	Clear	None
	04/19/22	9	7.44	0.883	0.0	3.09	11.30	90	Clear	None
	07/26/22	9	6.97	1.01	5.2	5.10	14.54	88	Clear	None
MW-16-29	09/01/21	10.8	7.20	0.776	0.0	0.80	13.24	40	Clear	None
	10/25/21	10.5	7.13	0.631	0.3	0.00	13.56	187	Clear	None
	01/25/22	9	7.20	0.861	0.0	1.90	10.65	123	Clear	None
	04/18/22	10.5	7.42	1.00	1.9	4.57	9.43	199	Clear	None
	07/26/22	4.5	6.53	1.08	0.0	5.99	16.26	156	Clear	None
MW-17-20	12/14/21	7.0	6.76	0.750	34.4	1.51	13.56	111	Clear	None
	01/25/22	6.75	7.00	0.664	0.0	1.39	9.76	19	Clear	None
	04/21/22	16.125	7.40	0.779	4.2	7.40	10.98	179	Clear	None
	07/27/22	13.5	6.28	0.767	79.7	4.99	17.63	114	Clear	None
MW-18-31	8/23/2022	15.00	7.21	0.911	2.9	4.75	14.28	-294	Clear	Slight

Table 3

**Historical GW Sampling Results for Compounds of Concern
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin**

Volatile Organic Compounds

Well ID	Sample Date	Benzene (µg/L)	Ethylbenzene (µg/L)	Toluene (µg/L)	Xylenes, Total (µg/L)	Cyclohexane (µg/L)	n-Hexane (µg/L)	Methylcyclohexane (µg/L)	Methyl-tert-butyl ether (µg/L)	Trichloroethene (µg/L)
	Enforcement Standard (a)	5	700	800	2,000	NE	600	NE	60	5
	Preventive Action Limit (a)	0.5	140	160	400	NE	120	NE	12	0.5
	Residential Vapor Risk Screening Level (b)	27.2	69.2	35,500	766	1,730	16.6	NE	7,270	5
	Commercial Vapor Risk Screening Level (b)	119	302	149,000	3,220	7,280	69.5	NE	31,800	5

General Notes

Shaded = Regulatory exceedance of PAL or ES

Boxed = Regulatory exceedance of residential or commercial VRSL

Bold = Enforcement Standard exceedance

Italics = Preventive Action Limit exceedance

Acronyms and Abbreviations

a/ Wisconsin Department of Natural Resources (WDNR) Administrative Code Chapter NR 140.10, Table 1 - Public Health Groundwater Standards. June 2021.

b/ WDNR Vapor Risk Screening Level (VRSL) based on U.S. Environmental Protection Agency (EPA) Vapor Intrusion Screening Levels (VISL). February 2022.

In accordance with WDNR Publications RR0136 and RR800, VRSL calculated using EPA VISL Calculator with a Hazard Quotient of 1, Target Risk of 10⁻⁵,

Attenuation Factor of 0.001, and a site-specific average groundwater temperature of 12.83°C. VRSL for TCE is equal to the ES (5 ug/l).

J = Estimated concentration at or above the Limit of Detection and below the Limit of Quantitation.

NA = Not accessible.

NE = Not established.

"<" = Not detected above the reported method detection limit.

ug/L = Micrograms per liter.

Table 4

**Historical GW Sampling Results - MNA Parameters
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin**

		MNA Parameters										
Well ID	Sample Date	Methane (µg/L)	Ethane (µg/L)	Ethene (µg/L)	Carbon dioxide (µg/L)	Total Iron (µg/L)	Dissolved Iron (µg/L)	Total Manganese (µg/L)	Dissolved Manganese (µg/L)	Total Alkalinity, as CaCO ₃ (mg/L)	Nitrate/Nitrite, as Nitrogen (mg/L)	Sulfate (mg/L)
	Enforcement Standard (a)	NE	NE	NE	NE	300	300	50	50	NE	10	250
	Preventive Action Limit (a)	NE	NE	NE	NE	150	150	25	25	NE	2	125
<u>Upgradient Locations</u>												
MW-02-25	04/19/22	120	0.18 J	<0.24	62,700	<56.7	<29.6	20	23.3	473	0.28	4.2 (b)
	07/25/22	30	0.17 J	0.40 J	58,100	<56.7	<29.6	14.6	1.2 J	488	0.26	4.1
MW-17-20	04/19/22	<2.0	0.37 J	<0.24	37,900	<56.7	<29.6	17.1	13.7	391	0.74	3.1 (b)
	07/27/22	<2.0	0.76 J	0.88 J	43,000	<56.7	<29.6	3.0 J	3.1 J	393	0.70	3.7
<u>Source Area Locations</u>												
MW-01-32	04/20/22	210	1.2	0.29 J	67,300	6,830	6,130	122	112	538	<0.059	1.3 J (b)
	07/27/22	130	1.1	1.0	54,100	7,100	7,090	104	106	522	<0.059	<0.44
MW-14-31	04/18/22	120	1.7	<0.24	124,000	3,080	2,760	1,280	1,230	560	<0.059	0.79 J (b)
	07/26/22	160	1.4	0.53 J	123,000	4,350	3,940	859	848	569	<0.059	0.91 J
<u>Downgradient Locations</u>												
MW-06-32	04/19/22	<2.0	0.20 J	<0.24	120,000	<56.7	<29.6	44.2	38.3	553	2.0	26.8 (b)
	07/26/22	3.1 J	0.66 J	0.66 J	107,000	<56.7	<29.6	37.2	35.4	562	1.6	24.4
MW-10-32	04/20/22	40	0.84 J	<0.24	87,500	1,340	1,230	595	565	442	<0.059	7.5 (b)
	07/27/22	54	1.7	0.99 J	114,000	1,680	1,530	534	536	453	0.12 J	8.7

Table 4

Historical GW Sampling Results - MNA Parameters
Line 13 MP312 Valve Site
Fort Atkinson, Wisconsin

Well ID	Sample Date	Field Parameters (Final Reading)								
		Purge Volume (L)	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temperature (°C)	Oxidation Reduction Potential (mV)	Appearance of Purge Water	Odor
		Enforcement Standard (a)	NE	NE	NE	NE	NE	NE	NE	NE
Preventive Action Limit (a)	NE	NE	NE	NE	NE	NE	NE	NE	NE	
<u>Upgradient Locations</u>										
MW-02-25	04/19/22	13.5	7.21	0.858	1.1	5.82	9.92	174	Clear	None
	07/25/22	15	7.23	0.865	1.4	6.09	9.68	181	Clear	None
MW-17-20	04/19/22	16.125	7.40	0.779	4.2	7.40	10.98	179	Clear	None
	07/27/22	13.5	6.28	0.767	79.7	4.99	17.63	114	Clear	None
<u>Source Area Locations</u>										
MW-01-32	04/20/22	15	7.06	0.901	3.9	1.42	12.19	-110	Clear	Slight Odor
	07/27/22	16.5	6.23	0.977	36.7	0.49	20.75	-104	Clear	None
MW-14-31	04/18/22	7.5	7.42	1.01	8.4	0.00	8.45	-91	Clear	None
	07/26/22	9	6.80	0.98	0.0	0.00	19.22	-98	Clear	None
<u>Downgradient Locations</u>										
MW-06-32	04/19/22	13.75	6.41	1.06	0.0	0.35	14.46	125	Clear	None
	07/26/22	8	7.48	2.83	0.0	8.52	16.47	23	Clear	None
MW-10-32	04/20/22	15	6.99	0.909	2.5	0.00	11.25	-66	Clear	None
	07/27/22	12	6.89	0.989	0.0	5.59	15.20	-116	Clear	None

General Notes

Shaded = Regulatory exceedance of PAL or ES

Bold = Enforcement Standard exceedance

Italics = Preventive Action Limit exceedance

Acronyms and Abbreviations

a/ Wisconsin Department of Natural Resources (WDNR) Administrative Code Chapter NR 140.10, Table 1 - Public Health or Public Welfare Groundwater Standards. June 2021.

b/ Samples were analyzed outside of laboratory hold time for sulfate.

J = Estimated concentration at or above the Limit of Detection and below the Limit of Quantitation.

MNA = Monitored Natural Attenuation.

NE = Not established.

"<" = Not detected above the reported method detection limit.

ug/L = Micrograms per liter.

Table 5

**LNAPL Transmissivity Data
MP312 Valve Site
Fort Atkinson, Wisconsin**

Well ID	Date	Product Thickness (feet)	LNAPL Transmissivity Test Results	Test #1	Test #2
RW-1	6/21/2021	2.01	No Test Completed	-	-
	3/29/2022	1.44	Avg LNAPL Tn (ft ² /day)	1.35	0.74
			Standard Deviation (ft ² /day)	0.31	0.20
			Coefficient of Variation	0.23	0.28
	8/8/2022	1.33	Avg LNAPL Tn (ft ² /day)	0.31	-
			Standard Deviation (ft ² /day)	0.09	-
Coefficient of Variation			0.28	-	
RW-2	6/21/2021	2.05	No Test Completed	-	-
	3/29/2022	1.48	Avg LNAPL Tn (ft ² /day)	2.51	1.81
			Standard Deviation (ft ² /day)	0.54	0.50
			Coefficient of Variation	0.22	0.28
	8/8/2022	0.99	Avg LNAPL Tn (ft ² /day)	0.11	-
			Standard Deviation (ft ² /day)	0.05	-
Coefficient of Variation			0.48	-	
RW-3	6/21/2021	0.05	No Test Completed	-	-
	3/28/2022	1.05	Avg LNAPL Tn (ft ² /day)	-	1.45
			Standard Deviation (ft ² /day)	-	0.61
			Coefficient of Variation	-	0.42
8/9/2022	0.59	No Test Completed	-	-	
RW-4	6/29/2021	2.15	Avg LNAPL Tn (ft ² /day)	-	2.12
			Standard Deviation (ft ² /day)	-	1.74
			Coefficient of Variation	-	0.82
	3/28/2022	1.42	Avg LNAPL Tn (ft ² /day)	1.55	1.87
			Standard Deviation (ft ² /day)	0.95	0.83
			Coefficient of Variation	0.61	0.45
8/9/2022	0.25	No Test Completed	-	-	
RW-5	6/21/2021	0.58	No Test Completed	-	-
	3/28/2022	1.51	Avg LNAPL Tn (ft ² /day)	Observed response not suitable for analysis	
			Standard Deviation (ft ² /day)		
			Coefficient of Variation		
8/9/2022	0.23	No Test Completed	-	-	

Table 5

**LNAPL Transmissivity Data
MP312 Valve Site
Fort Atkinson, Wisconsin**

Well ID	Date	Product Thickness (feet)	LNAPL Transmissivity Test Results	Test #1	Test #2	
RW-6	6/29/2021	2.11	Avg LNAPL Tn (ft ² /day)	2.24	2.33	
			Standard Deviation (ft ² /day)	1.54	1.39	
			Coefficient of Variation	0.68	0.60	
	3/28/2022	1.45	Avg LNAPL Tn (ft ² /day)	0.66	-	
			Standard Deviation (ft ² /day)	0.30	-	
			Coefficient of Variation	0.46	-	
	8/9/2022	0.29	No Test Completed	-	-	
	RW-7	6/28/2021	2.03	Avg LNAPL Tn (ft ² /day)	2.34	2.89
				Standard Deviation (ft ² /day)	1.37	0.57
Coefficient of Variation				0.59	0.20	
3/28/2022		1.44	Avg LNAPL Tn (ft ² /day)	2.64	3.63	
			Standard Deviation (ft ² /day)	0.96	1.21	
			Coefficient of Variation	0.36	0.33	
8/9/2022		0.84	No Test Completed	-	-	
RW-8		6/21/2021	2.16	No Test Completed	-	-
		3/29/2022	1.44	Avg LNAPL Tn (ft ² /day)	3.58	0.77
	Standard Deviation (ft ² /day)			0.90	0.64	
	Coefficient of Variation			0.25	0.83	
	8/8/2022	0.24	Avg LNAPL Tn (ft ² /day)	0.08	-	
			Standard Deviation (ft ² /day)	0.05	-	
Coefficient of Variation			0.66	-		
RW-9	6/21/2021	2.15	Avg LNAPL Tn (ft ² /day)	3.79	3.76	
			Standard Deviation (ft ² /day)	1.29	1.23	
			Coefficient of Variation	0.34	0.33	
	3/28/2022	1.48	Avg LNAPL Tn (ft ² /day)	1.20	0.52	
			Standard Deviation (ft ² /day)	0.76	0.13	
			Coefficient of Variation	0.63	0.25	
8/9/2022	0.02	No Test Completed	-	-		

a/ LNAPL = Light Non-Aqueous Phase Liquid

LNAPL Transmissivity analysis completed using API LNAPL Transmissivity Workbook