State of Wisconsin
Department of Natural Resources
PO Box 7921, Madison WI 53707-7921
dnr.wi.gov

Site Investigation Sample Results Notification

Form 4400-249 (R 03/14)

Notice: This form may be used to comply with the requirements of s. NR 716.14 (2), Wis. Adm. Code; however, use of this form is not required. An alternate format may be used. The rule requires that notification be provided to 1) property owners when someone else is conducting the sampling, 2) to occupants of property belonging to the responsible person, and 3) to owners and occupants of property that does not belong to the responsible person but has been affected by contamination arising on his or her property. Notification is required within 10 business days of receiving the sample results. Personal information collected will be used for program administration and may be provided to requesters to the extent required by Wisconsin's Open Records law [ss. 19.31-19.39, Wis. Stats.].

NOTE: Under s. NR 716.14, Wis. Adm. Code, the responsible party must also submit sample results and other required information to the DNR. We recommend that copies of the sample results notifications be included with that submittal, along with all attachments. Using the same format used for data presentation for a closure request may be helpful to all parties. See s. NR 716.14, Wis. Adm. Code for the full list of information to be submitted to the DNR.

Notification of Property Owners and Occupants:

This notification form has been provided to you in order to provide the results of environmental sampling that has been conducted on property that you own or occupy. Samples were collected in accordance with the methods identified in the site investigation work plan, in accordance with s. NR. 716.09 and 716.13, Wis. Adm. Code. This sampling was conducted as a result of contamination originating at the following location.

Site Information

Site Name			DNR ID # (BRRTS #)
Enbridge Line 13 Blackhawk Valve			02-28-586199
Address	**City**	**State**	**ZIP Code**
Blackhawk Island Road	Fort Atkinson	WI	53538

Responsible Party

The person(s) responsible for completing this environmental investigation is:

Property Owner			
Enbridge Energy, Limited Partnership (Responsible Party / Operator)		Tri-State Holdings LLC (property owner)	
Address	**City**	**State**	**ZIP Code**
11 East Superior Street - Suite 125	Duluth	MN	55802
Contact Person		**Phone Number (include area code)**	
Karl Beaster, P.G.		(715) 718-1040	

Person or company that collected samples

WSP USA Inc.

Sample Results (Results Attached)

Reason for Sampling: ○ Routine ◉ Other (define) Interim Action Construction Completion Report Addendum

The contaminants that have been identified at this time on property that you own or occupy include:

Contaminant	In Soil? Yes	In Soil? No	In Groundwater? Yes	In Groundwater? No
Gasoline	○	○	○	○
Diesel or Fuel Oil	○	○	○	○
Solvents	○	○	○	○
Heavy Metals	○	○	○	○
Pesticides	○	○	○	○
Other: diluent liquid	◉	○	◉	○

This sampling event included sampling of a drinking water well.
○ Yes ◉ No

If yes, the sampled drinking water well had detectable contaminants.
○ Yes ○ No

Contaminants in Vapor	Yes	No
Indoor Air	○	○
Sub-slab	○	○
Exterior Soil Gas	○	○

Attached are:

- A map that shows the locations from which samples were collected. (The map needs to meet the requirements of s. NR 716.15 (4), Wis. Adm. Code.)
- A data table with specific contaminant levels at each sample location and whether or not the sample results exceed state standards.
- A copy of the laboratory results.

You are not identified as the person that is responsible for this contamination. However, your cooperation is important. Property owners may become legally responsible for contamination if they do not allow access to the person that is responsible so that person may complete the environmental investigation and clean up activities.

Option for written exemption: You have the option of requesting a written liability exemption from the DNR for contamination that originated on another property, or on property that you lease. To do this, you must present an adequate environmental assessment of your property and pay a $700 fee for review of this information. If you are interested in this option, please see DNR publication # RR 589, "When Contamination Crosses a Property Line - Rights and Responsibilities of Property Owners", available at: dnr.wi.gov/files/PDF/pubs/rr/rr589.pdf.

Contact Information

Please address questions regarding this notification, or requests for additional information to the contact person listed above, or to one of the following contacts:

Environmental Consultant

Company Name	Contact Person Last Name	First Name
WSP USA Inc.	Huff	Tim

Address	City	State	ZIP Code
5957 McKee Road, Suite 7	Madison	WI	53719

Phone # (inc. area code)	Email
(314) 206-4212	tim.huff@wsp.com

Select which agency: (●) Natural Resources ( ) Agriculture, Trade and Consumer Protection

State of Wisconsin Department of Natural Resources

Contact Person Last Name	First Name	Phone # (inc. area code)
Rice	Caroline	(608) 219-2182

Address	City	State	ZIP Code
3911 Fish Hatchery Rd	Fitchburg	WI	53711

Email

caroline.rice@wisconsin.gov

January 5, 2022

Karl Beaster, PG
Sr. Environmental Advisor
Enbridge Energy, Limited Partnership
11 East Superior Street, Suite 125
Duluth, MN 55802
karl.beaster@enbridge.com

Subject: **Interim Action Construction Completion Report Addendum**
Enbridge Line 13 MP 312, Blackhawk Island Rd Valve Site, Ft. Atkinson, WI
WDNR BRRTS #02-28-586199

Dear Mr. Beaster:

WSP USA Inc. (WSP) is pleased to submit the following Interim Action Construction Completion Report Addendum for the Line 13 Milepost (MP) 312 Valve Site located at the intersection of Blackhawk Island Road and Westphal Lane near Fort Atkinson, Wisconsin (Site). **Figure 1** shows the Site location.

BACKGROUND INFORMATION

The Interim Action Work Plan Addendum, dated August 18, 2021, described (1) the installation of source area remediation wells RW-1 through RW-9 in June 2021, (2) the identification of Light Non-Aqueous Phase Liquid (LNAPL, "free product") at the water table in the remediation wells, (3) the results of initial manual free product recovery activities in June and July 2021, and (4) specifications for a proposed automated free product recovery system to be constructed and operated as an Interim Action. The Interim Action Work Plan Addendum was approved by the Wisconsin Department of Natural Resources (WDNR) in an email dated August 26, 2021.

The Interim Action Construction Completion Report (IACCR), dated November 11, 2021, described the automated free product recovery system construction, operational details, and performance metrics from startup of the system on September 7, 2021 through November 8, 2021.

This Addendum provides an update on the performance of the automated product recovery system through the end of November 2021, when the system was shut down and disassembled for winter. Because the automated product recovery system was designed and operated as an Interim Action, it was not designed for continuous operation during the winter. This Addendum also includes supplemental information requested by the WDNR following its review of the IACCR, specifically boring logs for the remediation wells and map-view and cross-sectional views of site hydrogeology and free product distribution near the water table.

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St. Louis, MO 63102

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Fax: +1 314 421-1741
wsp.com

REMEDIATION WELL LOGS AND SOURCE AREA GEOLOGIC CROSS-SECTIONS

Figure 2 depicts the MP312 valve site layout and includes the June 2021 High-Resolution Site Characterization (HRSC) soil boring locations, remediation and monitoring well locations, and the approximate thickness of the interval near the water table where the Ultra-Violet Optical Screening Tool (UVOST) detector response indicated the potential presence of free product. **Figure 3** depicts the measured free product thickness in each of the remediation wells on June 21, prior to the beginning of Interim Action product recovery, and on November 30, after shutdown of the automated product recovery system.

Boring logs for remediation wells RW-1 through RW-11 and the WNDR Monitoring Well Construction (Form 4400-113A) and Monitoring Well Development (Form 4400-113B) forms are provided in Enclosure A. Due to the presence of free product in remediation wells RW-1 through RW-9 following installation, no well development was attempted. Free product was not identified in remediation wells RW-10 and RW-11 following installation on August 13, 2021, and qualitative well development was conducted on August 26, 2021 to determine if the wells would produce free product following development given their close proximity to other remediation wells with measurable free product. Free product has not been identified to date in remediation wells RW-10 and RW-11.

Figure 4 shows the locations of geologic cross-sections A-A' and B-B', which are provided in **Figure 5**. Cross-section A-A' is oriented northwest to southeast parallel to Line 13, while cross-section B-B' is oriented southwest to northeast perpendicular to the pipelines, which are depicted in the cross-sections at the depths and locations confirmed by vacuum excavation (i.e., hydrovac) during the site assessment activities.

June 2021 soil boring UVOST response, which is indicative of the presence of free product in the formation, is plotted adjacent to each soil boring on the cross-sections. Soil lithology presented in the cross-sections is interpreted from the soil borings and monitoring wells. The remediation wells were installed without additional soil sampling based on the data collected from adjacent soil borings. Measured depth to product and depth to water data for the remediation wells (June 21, 2021) and monitoring wells (October 26, 2021) are also presented in the cross-sections. Monitoring wells MW-01-63 and MW-14-31 were installed in August 2021. Based on a longer history of water level gauging data for monitoring well MW-01-32, which was also gauged on June 21, 2021, the seasonal change in groundwater levels between June and October 2021 was a net decrease of approximately 0.2 feet. A detailed presentation of the soil boring UVOST procedures and results, monitoring well installation procedures and sampling results, interpretation of site hydrogeology and groundwater flow, and an updated conceptual site model will be included in the Supplemental Site Investigation Report, currently under development.

FREE PRODUCT SPATIAL DISTRIBUTION AND INTERIM ACTION PRODUCT RECOVERY TOTALS

Between startup of the automated product recovery system on September 7 and shut down on November 29, the automated system recovered approximately 522 gallons of free product. **Figure 6** shows the automated system product recovery over time since system startup on September 7, 2021. The Interim Action total product recovery inclusive of both manual and automated product recovery was approximately 741 gallons as of November 29, 2021.

Figure 7 provides a graph of measured product thickness in remediation wells RW-1 through RW-9 during the Interim Action product recovery. Measured product thickness generally decreased in each of the remediation wells, with the most significant decreases observed during operation of the automated product recovery system. For the eight wells that were equipped with product skimmer pumps in the automated system, measured product thickness decreased between June 21 and November 29 by 49 to 91%, with an average decrease of 67% (1.24 feet).

On November 29 and 30, 2021, the automated product recovery system was shut down and disassembled for winter. The product skimmer pumps were left in the remediation wells, but the air supply and product discharge hoses, well controllers, and product tank controls were removed and stored. Recovered product was pumped from the onsite storage by Enbridge personnel using a vacuum truck on October 19 and December 2, 2021, and transported for reinjection into the pipeline system. Groundwater recovered during product recovery was also stored onsite and was transported on November 5 and December 2, 2021 for offsite disposal as a D018 hazardous waste at the Clean Harbors facility in El Dorado, Arkansas. A copy of the manifests and Land Disposal Restriction forms are provided in Enclosure B.

Continued free product recovery in the spring of 2022 as a part of the overall remediation approach for the site will be evaluated and incorporated into the Response Action Objectives Report / Response Action Plan, currently under development. We will continue to evaluate the recovered product volume relative to the estimated release volume of 1,225 to 1,386 gallons reported in the Interim Action and Site Investigation Report, dated January 28, 2021.

In accordance with NR 712, Wis. Adm. Code., the certification of an engineer for this Interim Action Construction Completion Report Addendum is included in Enclosure C.

Please do not hesitate to contact me if you have questions:

Kind regards,

Timothy A. Huff
Senior Lead Geologist

TAH :
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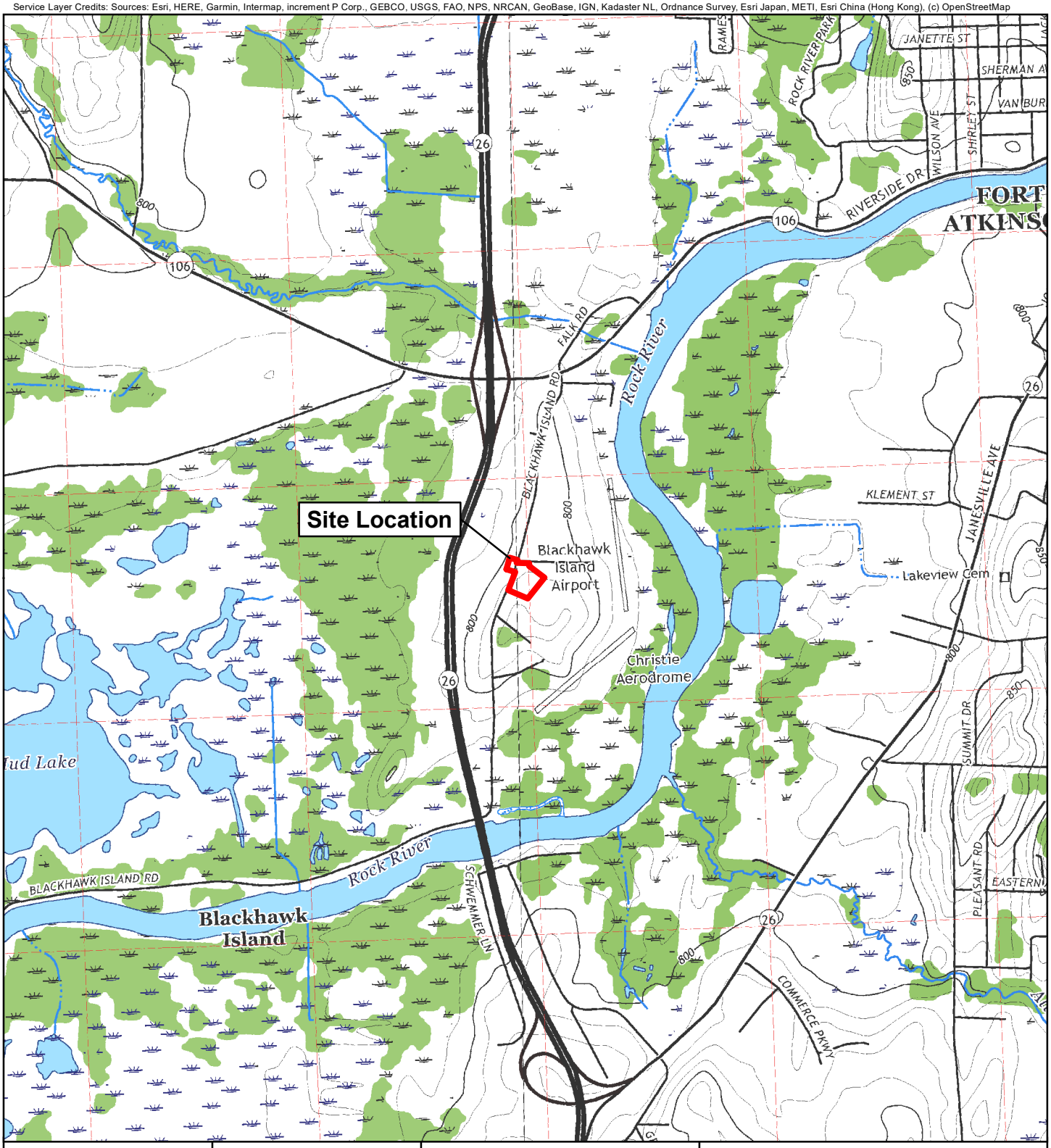
Encl.

FIGURES



ENBRIDGE

Drawn:	WSP 4/15/2021
Approved:	WSP 4/15/2021
Project #:	31401967.705

Map Location

N

0 2,000

Feet

Coordinate System: NAD 1983 StatePlane Wisconsin South FIPS 4803 Feet

Source: USGS US Topo 7.5-minute maps for Busseyville and Fort Atkinson, WI 2018

FIGURE 1
SITE LOCATION MAP

FORT ATKINSON VALVE STATION
LINE 13 MP 312

ENBRIDGE ENERGY
LIMITED PARTNERSHIP

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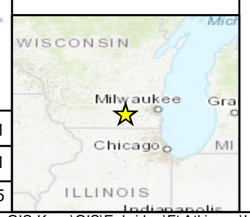
IS-30
IS-41
IS-27
0.5
1
RW-1
IS-23
IS-21
IS-22
RW-3
RW-4
RW-2
IS-31
Line 6A
IS-7
MW-14-31
IS-4
IS-35
IS-13
RW-6
IS-3
IS-14
IS-1
RW-5
IS-15
IS-43
Line 14
IS-26
TRI-STATE
HOLDINGS LLC
016-0514-0824-003
IS-20
IS-2
RW-7
IS-8
RW-10
2
IS-16
IS-9
IS-18
IS-29
RW-8
Line 13
IS-25
RW-9
IS-19
Line 61
IS-34
IS-32
RW-11
IS-28
IS-42
IS-47
IS-33
MW-01-32
IS-37
MW-01-63
IS-36
IS-40

Drawn:	WSP 12/17/2021
Approved:	WSP 12/17/2021
Project #:	31401967.705

Map Location



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Feet

Coordinate System: NAD 1983
StatePlane Wisconsin South FIPS
4803 Feet

Legend

- Remediation Well
- Remediation Well with Product Recovery Pump
- Existing Monitoring Well
- June 2021 Soil Boring
- Pipeline Valve
- June 2021 UVOST Response Approximate Thickness for Interval 24-30' bgs
- Enbridge Pipeline (Below Grade)
- Gravel Perimeter
- Site Fence
- Property Parcels

Note 1: June 2021 UVOST response thickness is estimate of vertical interval near water table with UVOST response indicative of free product. See geologic cross-sections for examples.

FIGURE 2
PRODUCT THICKNESS MEASUREMENTS - UVOST RESPONSE

LINE 13 MP 312 VALVE SITE
FORT ATKINSON, WISCONSIN

ENBRIDGE ENERGY
LIMITED PARTNERSHIP

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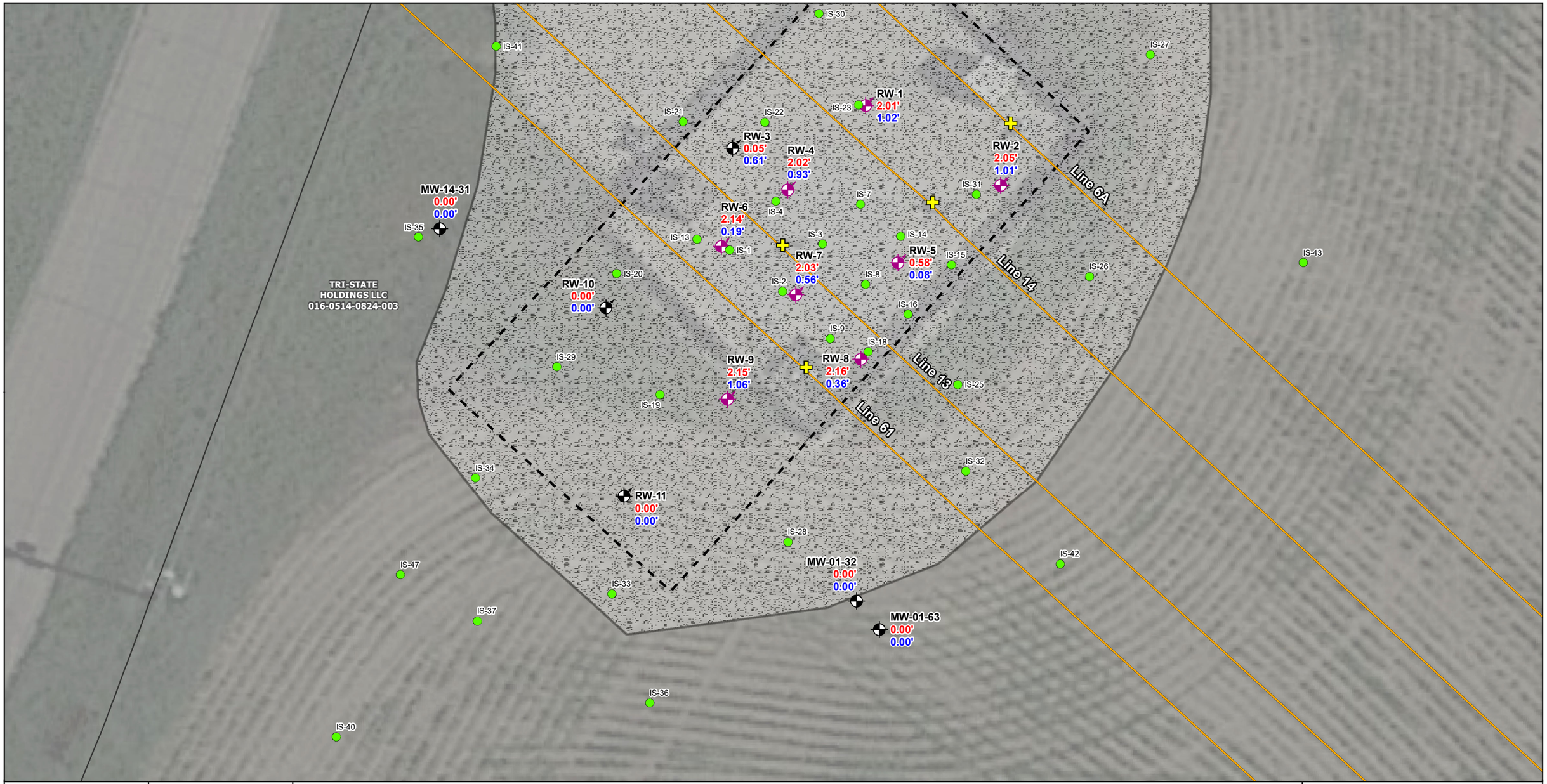

Map Location

Drawn:	WSP 12/17/2021
Approved:	WSP 12/17/2021
Project #:	31401967.705

N

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Feet

Coordinate System: NAD 1983
StatePlane Wisconsin South FIPS
4803 Feet

Legend

- Remediation Well
- Remediation Well with Product Recovery Pump
- Existing Monitoring Well
- 2.15' June 21, 2021 Product Thickness
- 1.06' Nov 30, 2021 Product Thickness
- June 2021 Soil Boring
- Pipeline Valve
- Enbridge Pipeline (Below Grade)
- Gravel Perimeter
- Site Fence
- Property Parcels

Note 1: Product thickness is based on gauging conducted on June 21, 2021 (top number) and November 30, 2021 (bottom number).

Note 2: RW-10, RW-11, MW-01-63, and MW-14-31 first gauged in August 2021. Bottom number posted for monitoring wells is from October 26, 2021.

FIGURE 3
PRODUCT THICKNESS MEASUREMENTS - REMEDIATION WELLS

LINE 13 MP 312 VALVE SITE
FORT ATKINSON, WISCONSIN

ENBRIDGE ENERGY
LIMITED PARTNERSHIP

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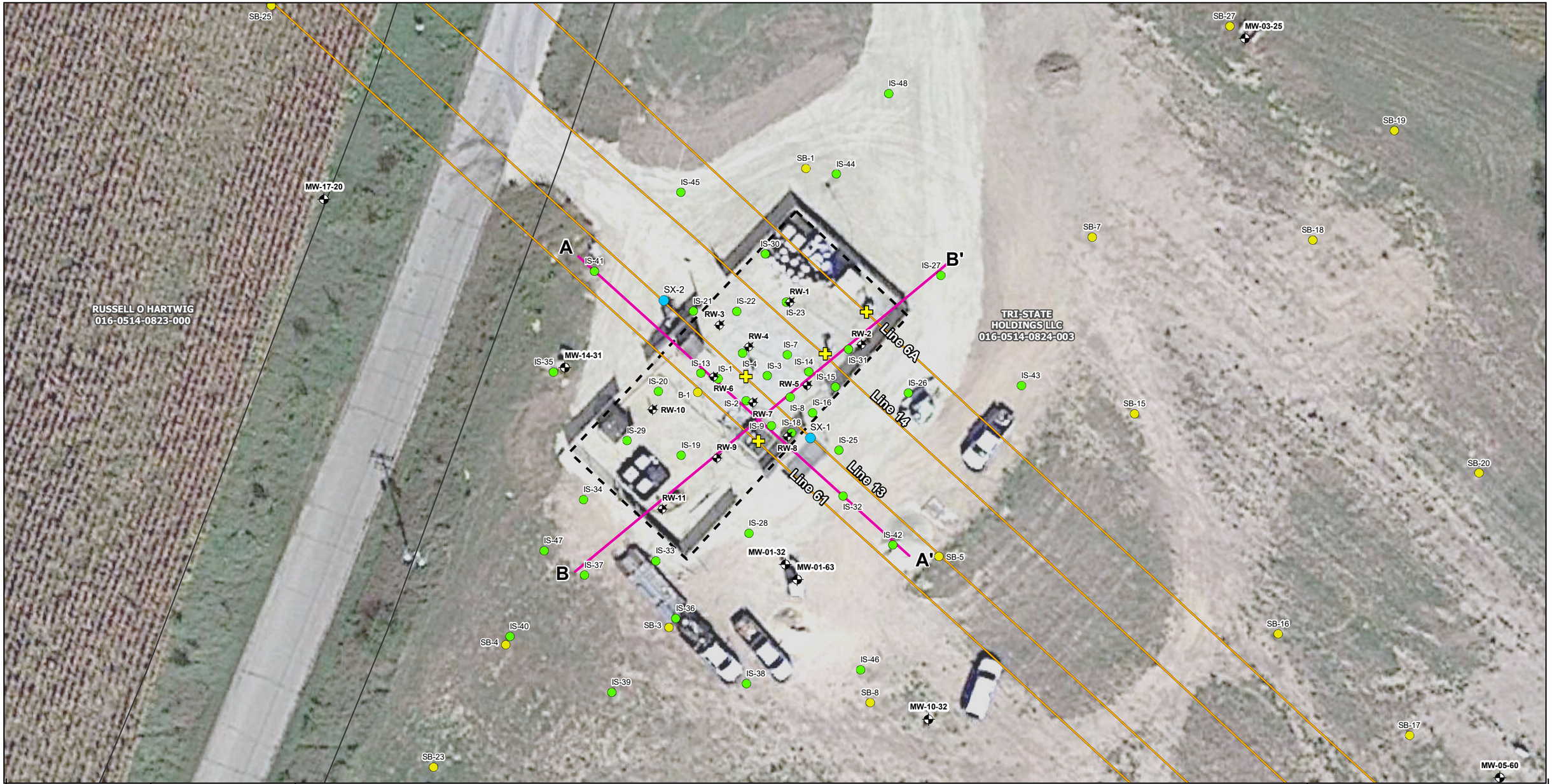
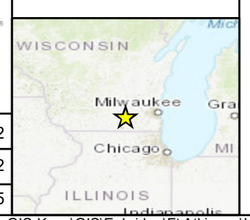


ENBRIDGE

Drawn:	WSP 1/3/2022
Approved:	WSP 1/3/2022
Project #:	31401967.705

Map Location



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0 30

Feet

Coordinate System: NAD 1983
StatePlane Wisconsin South FIPS
4803 Feet

Legend

- Pipeline Valve
- Remediation Well
- June 2021 Pipeline Bedding Soil Sample
- June 2021 Soil Boring
- July/Sept 2020 Soil Boring/Temporary Well
- Existing Monitoring Well
- Cross-Section Profile
- Enbridge Pipeline
- Site Fence
- Property Parcels

FIGURE 4
GEOLOGIC CROSS-SECTION LOCATIONS

LINE 13 MP 312 VALVE SITE
FORT ATKINSON, WISCONSIN

ENBRIDGE ENERGY
LIMITED PARTNERSHIP

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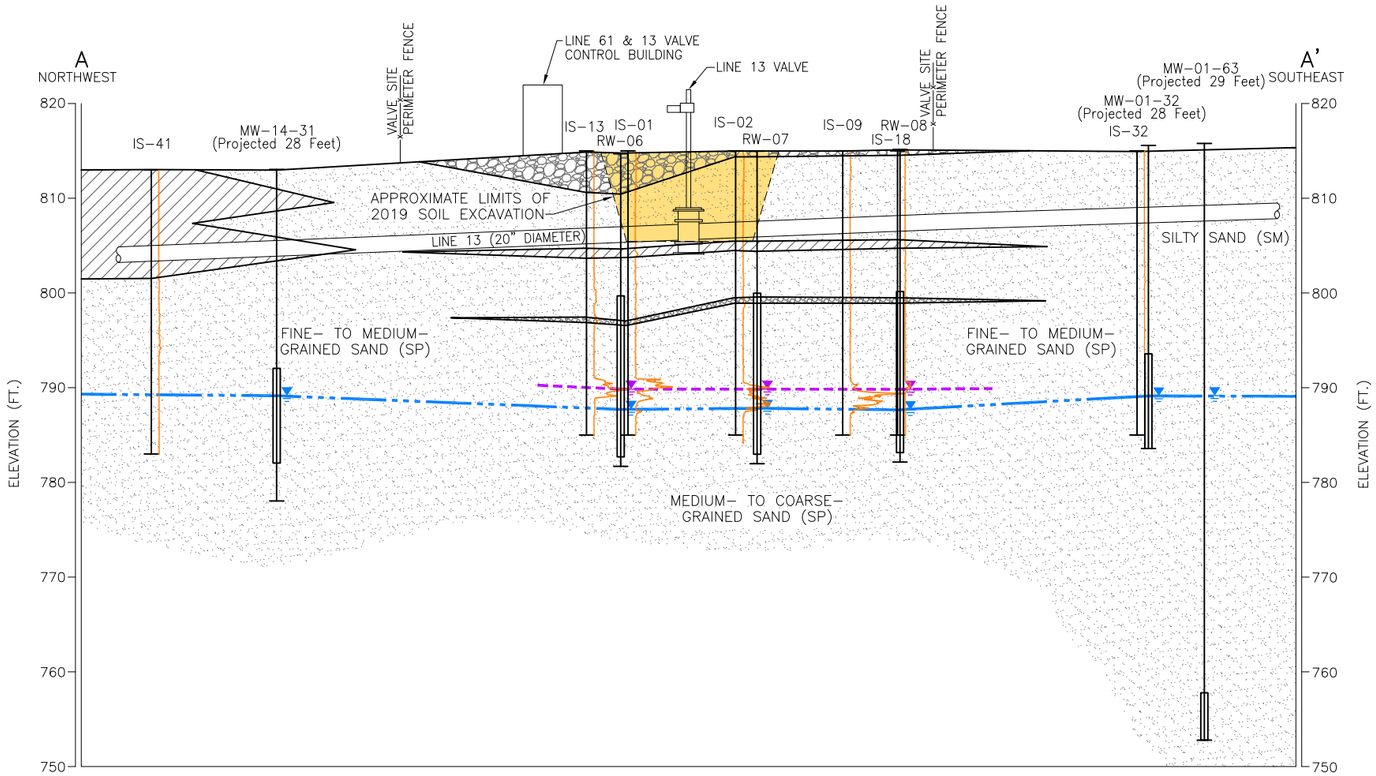
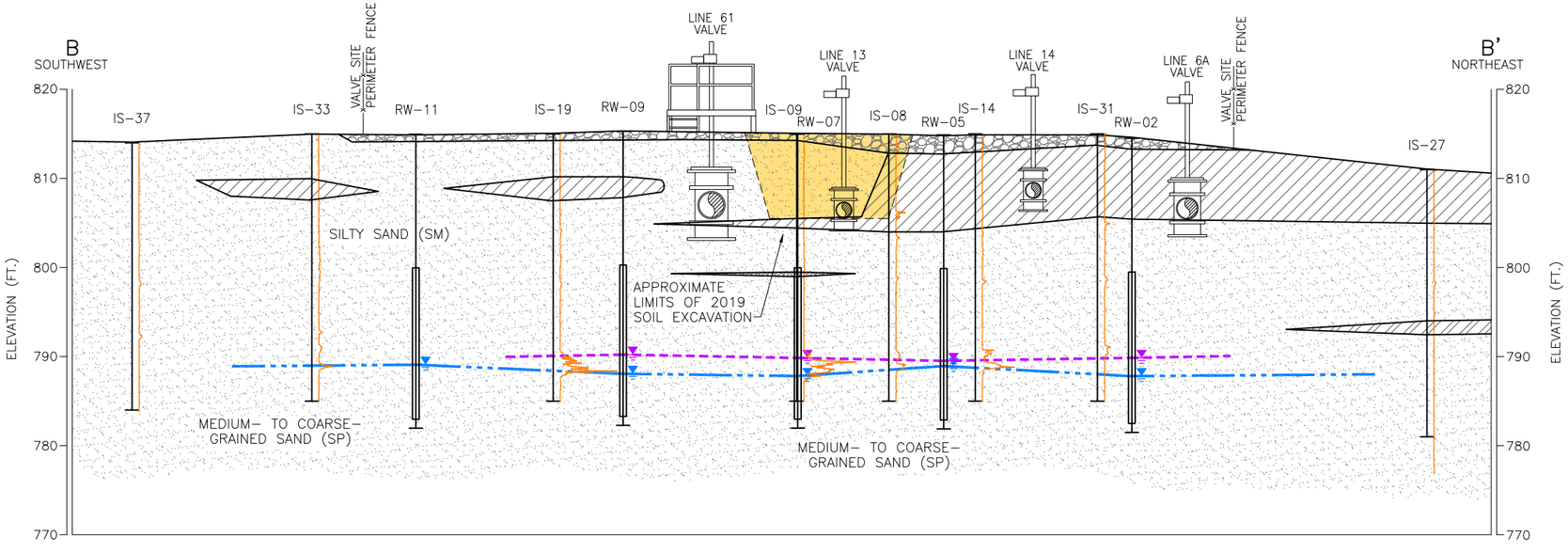
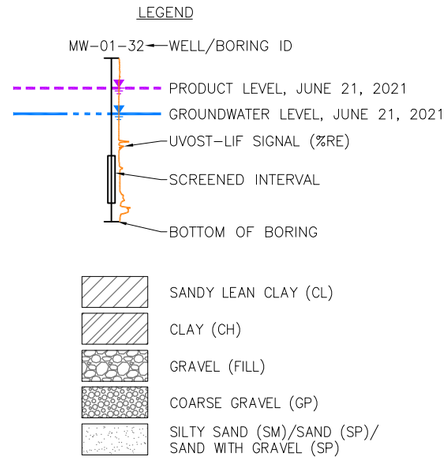






THE ORIGINAL VERSION OF THIS DRAWING IS IN COLOR. BLACK AND WHITE COPIES MAY NOT ACCURATELY DEPICT CERTAIN INFORMATION.

N

0 16 32
SCALE IN FEET

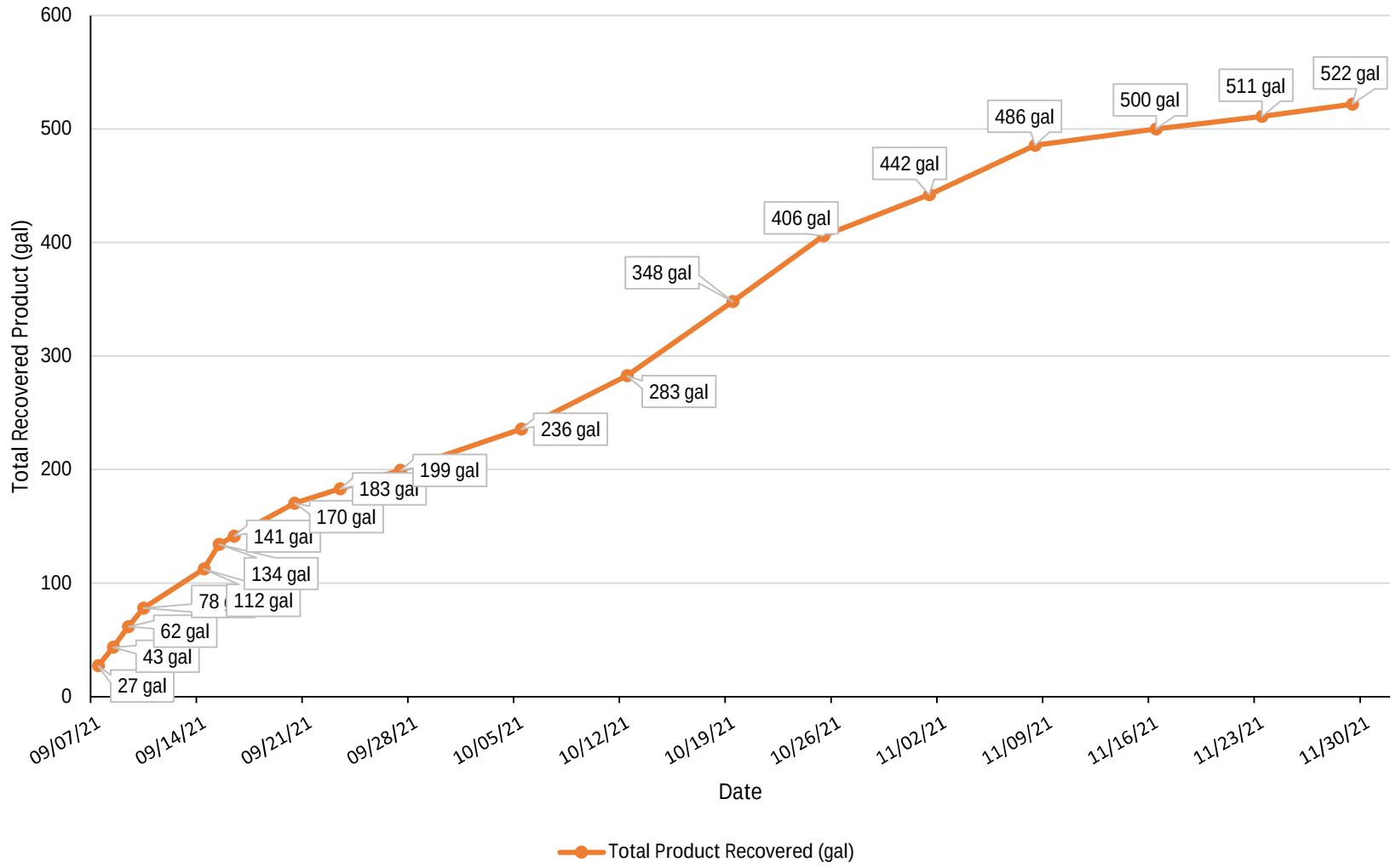
Drawn By: EGC
Checked:
Approved: TAH 12/16/2021
DWG Name: 314V1967.705-003

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

FIGURE 5
GEOLOGIC CROSS-SECTIONS

ENBRIDGE

B

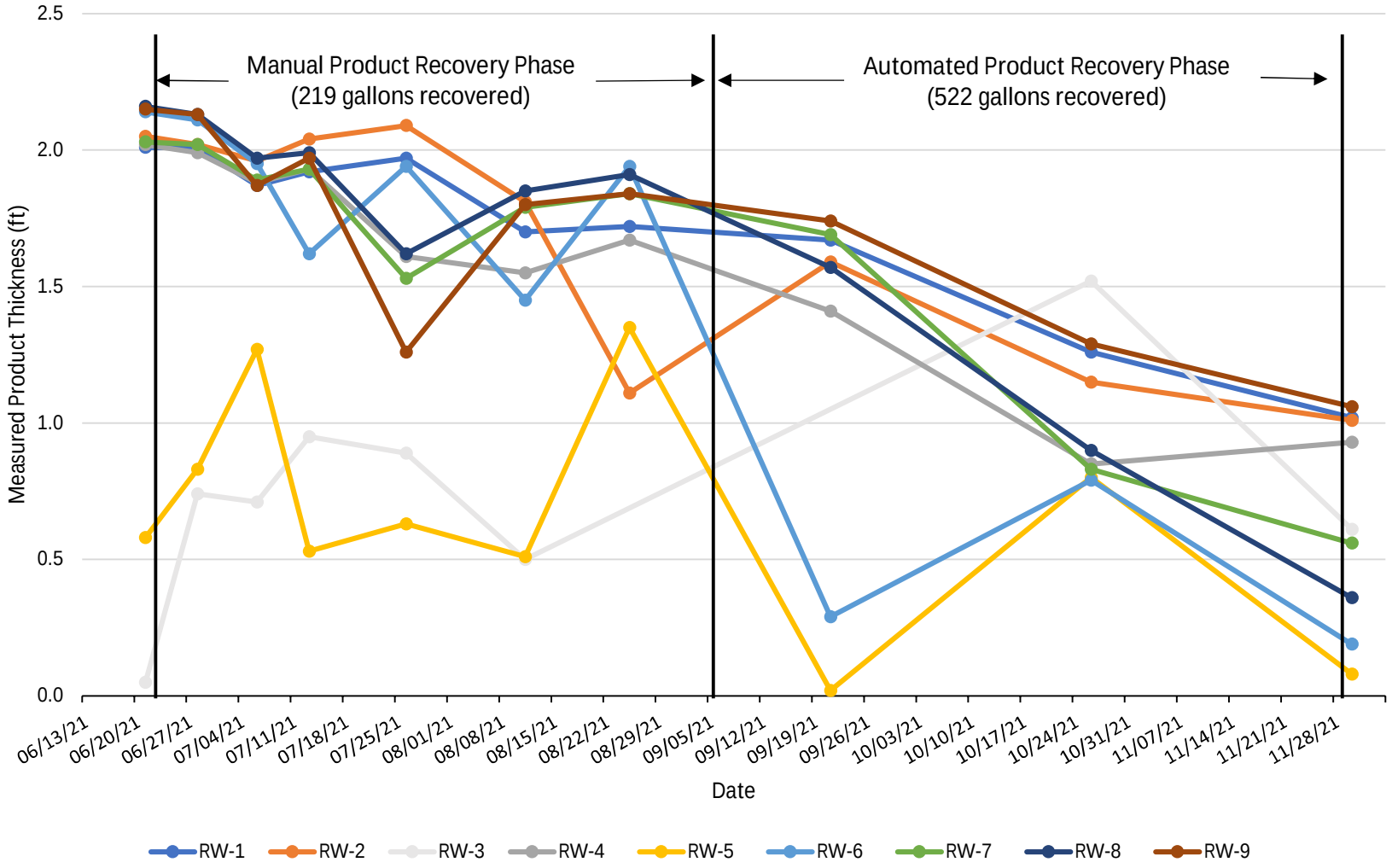


NOTES:

1. Approximately 219 gallons of free product was recovered manually before the automated system was installed.
2. Approximately 27 gallons of free product were recovered during automated system testing prior to startup on 9/7/21.
3 Automated system was shut down for winter and disassembled on 11/29/21.

A

ENBRIDGE	FIGURE 6 AUTOMATED SYSTEM TOTAL PRODUCT RECOVERY	LINE 13 MP 312 VALVE SITE FORT ATKINSON,WISCONSIN PREPARED FOR ENBRIDGE ENERGY, LIMITED PARTNERSHIP	Drawn By: TAH 12/20/21 Checked: Approved: File Name: 2021.12.20_L13MP312_PRS-Data.xlsx



NOTES:

1. Manual product recovery began on 6/22/21.
2. Automated product recovery system began operation on 9/7/21 and stopped on 11/29/21.
3 All product thickness measurements followed at least 12 hours of non-pumping product recharge.

A

ENBRIDGE	FIGURE 7	LINE 13 MP 312 VALVE SITE FORT ATKINSON,WISCONSIN PREPARED FOR ENBRIDGE ENERGY, LIMITED PARTNERSHIP	Drawn By: TAH 12/20/21 Checked: Approved: File Name: 2021.12.20_L13MP312_PRS-Data.xlsx
	PRODUCT THICKNESS IN REMEDIATION WELLS		

ENCLOSURE A – REMEDIATION WELL BORING LOGS AND WELL CONSTRUCTION / DEVELOPMENT FORMS

Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-01
Drilled By: Dakota Technologies/Cody Eystad	**Drill Start Date:** 6/17/2021	**Drill End Date:** 6/17/2021	**Drill Method:** Hollow Stem Auger
Logged By: Cal Johnson	**Total Depth (ft):** 33	**Bore Diameter (in):** 8	**Ground Surface (ft-msl):** 814.46
Coordinates (X/Y): 2269950.79/333898.31	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.2

Well Construction			Annulus	
Material	**Diameter (in)**	**Depth (ft)**	**Material**	**Depth (ft)**
Screen: 0.01-inch Schedule 40 PVC Screen	2	17 to 32	**Filter Pack:** 20/40 Sand	16 to 33
Riser: Schedule 40 PVC Riser	2	0 to 17	**Seal:** Fine-sand Seal	15 to 16
Other:			**Other:** Hydrated Bentonite Chips	6 to 15
			Clean Sand Backfill	1 to 6

Notes:
Lithology and field screening results based on IS-30 data.

Depth (ft)	Elevation (ft-msl)	Type	Lab Sample Interval	Recovery (%)	PID (ppm)	Graphic Log	Physical Description	Well
							Ground Surface	
				40	4.0 3.1		***POORLY-GRADED GRAVEL WITH SAND (gp)*** Very pale brown (10YR 7/3); about 80% fine- to coarse-grained gravel; about 20% fine-grained sand; dry; no odor.	
							LEAN CLAY WITH GRAVEL (cl) Very dark brown (10YR 2/2); about 20% coarse-grained gravel; moist; no odor.	
				42	3.2 4.8		***SANDY LEAN CLAY WITH GRAVEL (cl)*** Dark brown (10YR 3/3); about 15% fine- to coarse-grained gravel; moist; no odor.	
10	804			75	9.5 10.4		***POORLY-GRADED SAND (sp)*** Pale brown (10YR 6/3); about 90% medium-grained sand; about 10% fine- to coarse-grained gravel; moist; no odor.	
				92	14.3 14.5		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Pale brown (10YR 6/3); about 75% medium-grained sand; about 25% coarse-grained gravel; dry; faint odor.	
20	794			60	8.8 18.1		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Brown (10YR 4/3); about 75% coarse-grained sand; about 25% fine- to coarse-grained gravel; moist; faint odor.	
				65	223.0 139.0		***POORLY-GRADED SAND (sp)*** Very pale brown (10YR 7/3); about 90% coarse-grained sand; about 10% fine-grained gravel; wet; faint odor.	
30	784						*Bottom of boring at 33 feet.*	

WSP USA
5957 McKee Road, Suite 7, Madison, WI 53719
wsp.com

Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-02
Drilled By: Dakota Technologies/Cody Eystad	**Drill Start Date:** 6/16/2021	**Drill End Date:** 6/16/2021	**Drill Method:** Hollow Stem Auger
Logged By: Cal Johnson	**Total Depth (ft):** 33	**Bore Diameter (in):** 8	**Ground Surface (ft-msl):** 814.50
Coordinates (X/Y): 2269973.01/333885.2	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.2

Well Construction			Annulus	
Material	**Diameter (in)**	**Depth (ft)**	**Material**	**Depth (ft)**
Screen: 0.01-inch Schedule 40 PVC Screen	2	17 to 32	**Filter Pack:** 20/40 Sand	16 to 33
Riser: Schedule 40 PVC Riser	2	0 to 17	**Seal:** Fine-sand Seal	15 to 16
Other:			**Other:** Hydrated Bentonite Chips	6 to 15
			Clean Sand Backfill	1 to 6

Notes:
Lithology and field screening results based on IS-31 data.

Depth (ft)	Elevation (ft-msl)	Type	Lab Sample Interval	Recovery (%)	RQD	Graphic Log	Physical Description	Well
							Ground Surface	
				37	3.3 2.2		***POORLY-GRADED GRAVEL WITH SAND (gp)*** Very pale brown (10YR 7/3); about 80% fine- to coarse-grained gravel; about 20% fine-grained sand; dry; no odor. ***LEAN CLAY WITH GRAVEL (cl)*** Dark brown (10YR 3/3); about 10% fine- to coarse-grained gravel; moist; no odor.	
				52	2.0 2.9			
10	805			63	24.3 14.1		***POORLY-GRADED SAND (sp)*** Pale brown (10YR 6/3); about 90% medium-grained sand; about 10% fine- to coarse-grained gravel; dry; no odor.	
				75	41.0 12.5		***POORLY-GRADED SAND (sp)*** Pale brown (10YR 6/3); about 90% medium-grained sand; about 10% coarse-grained gravel; moist; faint odor.	
20	795			63	12.7 304.7		***POORLY-GRADED SAND (sp)*** Pale brown (10YR 6/3); about 90% medium-grained sand; about 10% fine-grained gravel; moist; moderate odor.	
				80	119.7 158.0		***POORLY-GRADED SAND (sp)*** Very pale brown (10YR 7/3); coarse-grained sand; wet; strong odor.	
30	785						*Bottom of boring at 33 feet.*	

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Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-03
Drilled By: Dakota Technologies/Cody Eystad	**Drill Start Date:** 6/17/2021	**Drill End Date:** 6/17/2021	**Drill Method:** Hollow Stem Auger
Logged By: Cal Johnson	**Total Depth (ft):** 33	**Bore Diameter (in):** 8	**Ground Surface (ft-msl):** 814.61
Coordinates (X/Y): 2269928.9/333891.29	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.24

Well Construction			Annulus	
Material	**Diameter (in)**	**Depth (ft)**	**Material**	**Depth (ft)**
Screen: 0.01-inch Schedule 40 PVC Screen	2	17 to 32	**Filter Pack:** 20/40 Sand	16 to 33
Riser: Schedule 40 PVC Riser	2	0 to 17	**Seal:** Fine-sand Seal	15 to 16
Other:			**Other:** Hydrated Bentonite Chips	6 to 15
			Clean Sand Backfill	1 to 6

Notes:
Lithology and field screening results based on IS-21 data.

Depth (ft)	Elevation (ft-msl)	Type	Lab Sample Interval	Recovery (%)	PID (ppm)	Graphic Log	Physical Description
							Ground Surface
				56	1.5 1.6		***POORLY-GRADED GRAVEL WITH SAND (gp)*** Very pale brown (10YR 7/3); fine- to coarse-grained gravel; about 20% fine-grained sand; dry; no odor.
							LEAN CLAY WITH GRAVEL (cl) Brown (10YR 4/3); about 10% fine-grained gravel; moist; no odor.
				33	2.4 10.3		***SANDY FAT CLAY WITH GRAVEL (ch)*** Very dark grayish-brown (10YR 3/2); about 10% fine- to coarse-grained gravel; wet; no odor.
10	805			72	21.2 49.3		***LEAN CLAY WITH GRAVEL (cl)*** Brown (10YR 4/3); about 10% fine-grained gravel; dry; no odor.
							POORLY-GRADED SAND WITH GRAVEL (sp) Pale brown (10YR 6/3); about 80% medium-grained sand; about 20% fine- to coarse-grained gravel; dry; no odor.
				83	35.8 10.9		
20	795			66	450.0 130.0		***POORLY-GRADED SAND (sp)*** Pale brown (10YR 6/3); about 90% medium-grained sand; about 10% fine-grained gravel; moist; faint odor.
							POORLY-GRADED SAND (sp) Pale brown (10YR 6/3); about 90% coarse-grained sand; about 10% fine-grained gravel; wet; moderate odor.
				65	278.0 261.0		***POORLY-GRADED SAND (sp)*** Very pale brown (10YR 7/3); about 90% coarse-grained sand; about 10% fine-grained gravel; wet; strong odor.
30	785						*Bottom of boring at 33 feet.*

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Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-04
Drilled By: Dakota Technologies/Cody Eystad	**Drill Start Date:** 6/17/2021	**Drill End Date:** 6/17/2021	**Drill Method:** Hollow Stem Auger
Logged By: Cal Johnson	**Total Depth (ft):** 33	**Bore Diameter (in):** 8	**Ground Surface (ft-msl):** 814.72
Coordinates (X/Y): 2269938/333884.46	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.4

Well Construction			Annulus	
Material	**Diameter (in)**	**Depth (ft)**	**Material**	**Depth (ft)**
Screen: 0.01-inch Schedule 40 PVC Screen	2	17 to 32	**Filter Pack:** 20/40 Sand	16 to 33
Riser: Schedule 40 PVC Riser	2	0 to 17	**Seal:** Fine-sand Seal	15 to 16
Other:			**Other:** Hydrated Bentonite Chips	6 to 15
			Clean Sand Backfill	1 to 6

Notes:
Lithology and field screening results based on IS-4 data.

Depth (ft)	Elevation (ft-msl)	Type	Lab Sample Interval	Recovery (%)	PID (ppm)	Graphic Log	Physical Description	Well
							Ground Surface	
				35	30.1 34.9		***POORLY-GRADED GRAVEL WITH SILT (gp-gm)*** Pale brown (10YR 6/3); fine- to coarse-grained gravel; dry; no odor. ***GRAVELLY LEAN CLAY WITH SAND (cl)*** Dark brown (10YR 3/3); about 15% fine- to coarse-grained gravel; about 10% medium-grained sand; moist; no odor.	
				45	29.6 21.4		***SANDY LEAN CLAY (cl)*** Very dark grayish-brown (10YR 3/2); about 5% fine- to coarse-grained gravel; wet; no odor.	
10	805			70	26.0 41.0		***POORLY-GRADED GRAVEL WITH SILT (gp-gm)*** Brown (10YR 4/3); dry; no odor. ***SANDY LEAN CLAY WITH GRAVEL (cl)*** Brown (10YR 4/3); about 15% fine- to coarse-grained gravel; moist; no odor.	
				73	26.0 31.3		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Brown (10YR 5/3); about 85% medium-grained sand; about 15% fine- to coarse-grained gravel; dry; no odor. ***POORLY-GRADED GRAVEL WITH SILT (gp-gm)*** Very pale brown (10YR 8/3); coarse-grained gravel; dry; no odor.	
20	795			58	98.9 113.8		***POORLY-GRADED SAND (sp)*** Brown (10YR 5/3); about 95% coarse-grained sand; about 5% fine-grained gravel; moist; no odor. ***POORLY-GRADED SAND (sp)*** Brown (10YR 5/3); about 95% medium-grained sand; about 5% fine-grained gravel; moist; faint odor.	
				66	175.1 1493		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Brown (10YR 5/3); about 85% coarse-grained sand; about 15% fine-grained gravel; wet; strong odor.	
30	785						*Bottom of boring at 33 feet.*	

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Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-05
Drilled By: Dakota Technologies/Cody Eystad	**Drill Start Date:** 6/16/2021	**Drill End Date:** 6/16/2021	**Drill Method:** Hollow Stem Auger
Logged By: Cal Johnson	**Total Depth (ft):** 33	**Bore Diameter (in):** 8	**Ground Surface (ft-msl):** 814.88
Coordinates (X/Y): 2269956.16/333872.42	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.4

Well Construction			Annulus	
Material	**Diameter (in)**	**Depth (ft)**	**Material**	**Depth (ft)**
Screen: 0.01-inch Schedule 40 PVC Screen	2	17 to 32	**Filter Pack:** 20/40 Sand	16 to 33
Riser: Schedule 40 PVC Riser	2	0 to 17	**Seal:** Fine-sand Seal	15 to 16
Other:			**Other:** Hydrated Bentonite Chips	6 to 15
			Clean Sand Backfill	1 to 6

Notes:
Lithology and field screening results based on IS-8 data.

Depth (ft)	Elevation (ft-msl)	Type	Lab Sample Interval	Recovery (%)	PID (ppm)	Graphic Log	Physical Description
							Ground Surface
				37	8.4 12.0		***POORLY-GRADED GRAVEL (gp)*** Light yellowish-brown (10YR 6/4); fine- to coarse-grained gravel; dry; no odor.
				27	13.7 15.3		***SANDY LEAN CLAY WITH GRAVEL (cl)*** Dark grayish-brown (10YR 4/2); about 30% coarse-grained gravel; moist; no odor.
10	805			67	16.8 21.5		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Pale brown (10YR 6/3); about 70% medium-grained sand; about 30% coarse-grained gravel; moist; no odor.
				80	156.7 405.6		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Brown (10YR 5/3); about 80% medium-grained sand; about 20% coarse-grained gravel; dry; no odor.
20	795			60	39.1 60.9		***POORLY-GRADED SAND (sp)*** Brown (10YR 5/3); about 90% medium-grained sand; about 10% fine-grained gravel; dry; faint odor.
				68	141.8 70.4		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Pale brown (10YR 6/3); about 80% coarse-grained sand; about 20% fine-grained gravel; wet; strong odor.
30	785						*Bottom of boring at 33 feet.*

Well

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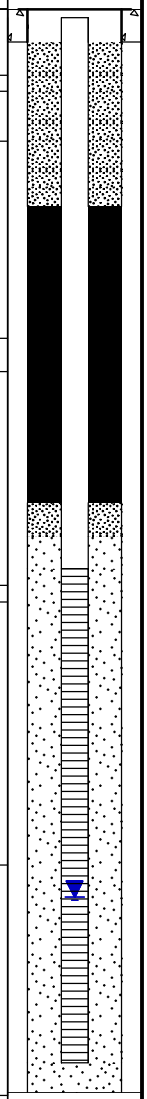
Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-06
Drilled By: Dakota Technologies/Cody Eystad	**Drill Start Date:** 6/17/2021	**Drill End Date:** 6/17/2021	**Drill Method:** Hollow Stem Auger
Logged By: Cal Johnson	**Total Depth (ft):** 33	**Bore Diameter (in):** 8	**Ground Surface (ft-msl):** 814.69
Coordinates (X/Y): 2269927.07/333875.12	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.4

Well Construction			Annulus	
Material	**Diameter (in)**	**Depth (ft)**	**Material**	**Depth (ft)**
Screen: 0.01-inch Schedule 40 PVC Screen	2	17 to 32	**Filter Pack:** 20/40 Sand	16 to 33
Riser: Schedule 40 PVC Riser	2	0 to 17	**Seal:** Fine-sand Seal	15 to 16
Other:			**Other:** Hydrated Bentonite Chips	6 to 15
			Clean Sand Backfill	1 to 6

Notes:
Lithology and field screening results based on IS-13 data.

Depth (ft)	Elevation (ft-msl)	Type	Lab Sample Interval	Recovery (%)	PID (ppm)	Graphic Log	Physical Description
							Ground Surface
				38	15.8 16.2		***POORLY-GRADED GRAVEL WITH SAND (gp)*** Pale brown (10YR 6/3); about 70% fine- to coarse-grained gravel; about 30% fine-grained sand; dry; no odor.
							LEAN CLAY WITH GRAVEL (cl) Brown (10YR 4/3); about 10% coarse-grained gravel; moist; no odor.
				8	38.2 45.9		***POORLY-GRADED GRAVEL WITH SAND (gp)*** Pale brown (10YR 6/3); about 50% fine- to coarse-grained gravel; about 50% fine-grained sand; moist; no odor.
10	805						***POORLY-GRADED SAND WITH GRAVEL (sp)*** Brown (10YR 4/3); about 70% medium-grained sand; about 30% fine- to coarse-grained gravel; moist; no odor.
				58	1102 1100		***SANDY LEAN CLAY WITH GRAVEL (cl)*** Dark grayish-brown (10YR 4/2); about 30% coarse-grained gravel; moist; no odor.
							POORLY-GRADED SAND WITH GRAVEL (sp) Very pale brown (10YR 7/3); about 70% medium-grained sand; about 30% coarse-grained gravel; dry; faint odor.
				55	1512 1619		***POORLY-GRADED GRAVEL (gp)*** Very pale brown (10YR 8/3); coarse-grained gravel; dry; faint odor.
20	795						***POORLY-GRADED SAND (sp)*** Brown (10YR 4/3); about 90% medium-grained sand; about 10% fine- to coarse-grained gravel; moist; faint odor.
				63	515.4 748.6		
				75	424.9 341.1		***POORLY-GRADED SAND (sp)*** Pale brown (10YR 6/3); about 90% coarse-grained sand; about 10% fine- to coarse-grained gravel; wet; moderate odor.
30	785						
							Bottom of boring at 33 feet.

Well



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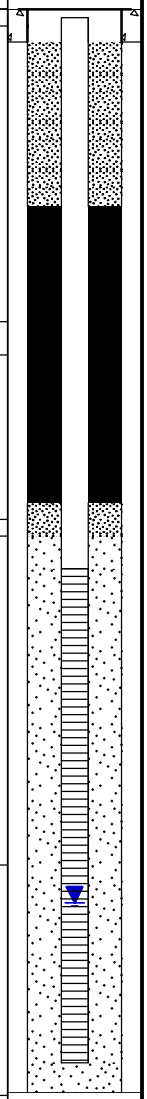
Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-07
Drilled By: Dakota Technologies/Cody Eystad	**Drill Start Date:** 6/16/2021	**Drill End Date:** 6/16/2021	**Drill Method:** Hollow Stem Auger
Logged By: Cal Johnson	**Total Depth (ft):** 33	**Bore Diameter (in):** 8	**Ground Surface (ft-msl):** 814.97
Coordinates (X/Y): 2269939.29/333867.15	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.8

Well Construction			Annulus	
Material	**Diameter (in)**	**Depth (ft)**	**Material**	**Depth (ft)**
Screen: 0.01-inch Schedule 40 PVC Screen	2	17 to 32	**Filter Pack:** 20/40 Sand	16 to 33
Riser: Schedule 40 PVC Riser	2	0 to 17	**Seal:** Fine-sand Seal	15 to 16
Other:			**Other:** Hydrated Bentonite Chips	6 to 15
			Clean Sand Backfill	1 to 6

Notes:
Lithology and field screening results based on IS-2 data.

Depth (ft)	Elevation (ft-msl)	Type	Lab Sample Interval	Recovery (%)	PID (ppm)	Graphic Log	Physical Description
							Ground Surface
				25	16.3 15.0		***WELL-GRADED GRAVEL WITH SAND (gw)*** Pale brown (10YR 6/3); about 80% coarse-grained gravel; about 20% medium-grained sand; dry; no odor.
				53	16.5 7.3		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Brown (10YR 5/3); about 80% coarse-grained sand; about 20% fine-grained gravel; dry; no odor.
10	805			57	65.2 48.7		***SANDY LEAN CLAY WITH GRAVEL (cl)*** Dark grayish-brown (10YR 4/2); about 5% fine-grained gravel; moist; moderate odor. ***POORLY-GRADED SAND WITH GRAVEL (sp)*** Pale brown (10YR 6/3); about 65% medium-grained sand; about 35% coarse-grained gravel; dry; no odor.
				75	19.4 20.4		***POORLY-GRADED GRAVEL WITH SILT (gp-gm)*** Very pale brown (10YR 8/3); coarse-grained gravel; dry; no odor. ***POORLY-GRADED SAND (sp)*** Brown (10YR 5/3); about 90% medium-grained sand; about 10% fine-grained gravel; moist; moderate odor.
20	795			60	738.9 365.1		
				75	143.5 857.1		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Pale brown (10YR 6/3); about 65% coarse-grained sand; about 35% fine- to coarse-grained gravel; wet; strong odor.
30	785						*Bottom of boring at 33 feet.*

Well



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Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-08
Drilled By: Dakota Technologies/Cody Eystad	**Drill Start Date:** 6/15/2021	**Drill End Date:** 6/15/2021	**Drill Method:** Hollow Stem Auger
Logged By: Cal Johnson	**Total Depth (ft):** 33	**Bore Diameter (in):** 8	**Ground Surface (ft-msl):** 815.15
Coordinates (X/Y): 2269950.04/333856.54	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.8

Well Construction			Annulus	
Material	**Diameter (in)**	**Depth (ft)**	**Material**	**Depth (ft)**
Screen: 0.01-inch Schedule 40 PVC Screen	2	17 to 32	**Filter Pack:** 20/40 Sand	16 to 33
Riser: Schedule 40 PVC Riser	2	0 to 17	**Seal:** Fine-sand Seal	15 to 16
Other:			**Other:** Hydrated Bentonite Chips	6 to 15
			Clean Sand Backfill	1 to 6

Notes:
Lithology and field screening results based on IS-2 data.

Depth (ft)	Elevation (ft-msl)	Type	Lab Sample Interval	Recovery (%)	PID (ppm)	Graphic Log	Physical Description	Well
							Ground Surface	
				25	16.3 15.0		***WELL-GRADED GRAVEL WITH SAND (gw)*** Pale brown (10YR 6/3); about 80% coarse-grained gravel; about 20% medium-grained sand.	
				53	16.5 7.3		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Brown (10YR 5/3); about 80% coarse-grained sand; about 20% fine-grained gravel.	
10	805			57	65.2 48.7		***SANDY LEAN CLAY WITH GRAVEL (cl)*** Dark grayish-brown (10YR 4/2); about 5% fine-grained gravel. ***POORLY-GRADED SAND WITH GRAVEL (sp)*** Pale brown (10YR 6/3); about 65% medium-grained sand; about 35% coarse-grained gravel.	
				75	19.4 20.4		***POORLY-GRADED GRAVEL WITH SILT (gp-gm)*** Very pale brown (10YR 8/3); coarse-grained gravel. ***POORLY-GRADED SAND (sp)*** Brown (10YR 5/3); about 90% medium-grained sand; about 10% fine-grained gravel.	
20	795			60	738.9 365.1			
				75	143.5 857.1		***POORLY-GRADED SAND WITH GRAVEL (sp)*** Pale brown (10YR 6/3); about 65% coarse-grained sand; about 35% fine- to coarse-grained gravel.	
30	785						*Bottom of boring at 33 feet.*	

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Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-09
Drilled By: Dakota Technologies/Cody Eystad	**Drill Start Date:** 6/15/2021	**Drill End Date:** 6/15/2021	**Drill Method:** Hollow Stem Auger
Logged By: Cal Johnson	**Total Depth (ft):** 33	**Bore Diameter (in):** 8	**Ground Surface (ft-msl):** 815.28
Coordinates (X/Y): 2269928.06/333849.9	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.8

Well Construction			Annulus	
Material	**Diameter (in)**	**Depth (ft)**	**Material**	**Depth (ft)**
Screen: 0.01-inch Schedule 40 PVC Screen	2	17 to 32	**Filter Pack:** 20/40 Sand	16 to 33
Riser: Schedule 40 PVC Riser	2	0 to 17	**Seal:** Fine-sand Seal	15 to 16
Other:			**Other:** Hydrated Bentonite Chips	6 to 15
			Clean Sand Backfill	1 to 6

Notes:
Lithology and field screening results based on IS-19 data.

Depth (ft)	Elevation (ft-msl)	Recovery (%)	PID (ppm)	Physical Description
				Ground Surface
		25	1.4	***ORGANIC SOIL (ol/oh)*** Brown (10YR 4/3); moist; no odor.
			1.7	***POORLY-GRADED SAND WITH GRAVEL (sp)*** Pale brown (10YR 6/3); about 80% fine-grained sand; about 20% fine-grained gravel; loose; moist; no odor.
		53	36.8	***POORLY-GRADED SAND WITH GRAVEL (sp)*** Brown (10YR 4/3); about 80% fine-grained sand; about 20% fine-grained gravel; loose; moist; no odor.
			44.1	***SANDY LEAN CLAY (cl)*** Dark gray (N 4); about 40% fine-grained sand; moist; no odor.
10	805	57	18.2	***POORLY-GRADED SAND (sp)*** Brown (10YR 5/3); about 90% medium-grained sand; about 10% fine-grained gravel; loose; moist; no odor.
			25.5	***POORLY-GRADED GRAVEL (gp)*** Gray (N 5); coarse-grained gravel; loose; moist; no odor.
		75	5.2	***POORLY-GRADED SAND (sp)*** Olive brown (2.5Y 4/4); about 95% medium-grained sand; about 5% fine-grained gravel; loose; moist; no odor.
			64.5	***WELL-GRADED SAND (sw)*** Olive brown (2.5Y 4/4); medium- to coarse-grained sand; loose; moist; no odor.
20	795	72	9.5	***POORLY-GRADED SAND (sp)*** Olive brown (2.5Y 4/4); about 95% coarse-grained sand; about 5% fine-grained gravel; loose; moist; faint odor.
			305	***POORLY-GRADED SAND (sp)*** Olive brown (2.5Y 4/4); about 95% medium-grained sand; about 5% fine-grained gravel; loose; moist; moderate odor.
		72	380	***POORLY-GRADED SAND (sp)*** Olive brown (2.5Y 4/4); about 95% medium-grained sand; about 5% fine-grained gravel; loose; wet; strong odor.
			363	
30	785			
				Bottom of boring at 33 feet.

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Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-10
Drilled By: Environmental Works/Josh Parks	**Drill Start Date:** 8/13/2021	**Drill End Date:** 8/13/2021	**Drill Method:** Rotosonic
Logged By: Matt Grady	**Total Depth (ft):** 33	**Bore Diameter (in):** 6	**Ground Surface (ft-msl):** 814.80
Coordinates (X/Y): 2269908.08/333864.97	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.36

Well Construction			Annulus	
Material	**Diameter (in)**	**Depth (ft)**	**Material**	**Depth (ft)**
Screen: 0.01-inch Schedule 40 PVC Screen	4	17 to 32	**Filter Pack:** 20/40 Sand	16 to 33
Riser: Schedule 40 PVC Riser	4	0 to 17	**Seal:** Fine-sand Seal	15 to 16
Other:			**Other:** Hydrated Bentonite Chips	6 to 15
			Clean Sand Backfill	1 to 6

Depth (ft)	Elevation (ft-msl)	Type	Lab Sample Interval	Recovery (%)	PID (ppm)	Graphic Log	Notes: / Physical Description	Well
							Ground Surface	
				35	0.6 0.4		***POORLY-GRADED SAND (sp)*** Light brown (7.5YR 6/3); medium-grained sand; loose; moist; no odor.	
				72	1.6 4.4		***SANDY SILT (ml)*** Dark brown (7.5YR 3/2); medium-grained sand; about 5% fine-grained gravel; moist; no odor.	
10	805			60	6.3 51.6		***SILTY SAND (sm)*** Light brown (7.5 YR 6/3); medium grain sand; loose; 3% gravel increase to 5% gravel with depth; 1% cobbles increase to 5% with depth; moist; strong oder at 19 ftbgs.	
				60	52.8 42.2			
20	795			65	30.9 233.1		***SANDY SILT (ml)*** Dark brown (7.5YR 3/2); about 95% medium-grained sand; about 5% fine-grained gravel; moist; no odor. ***SILTY SAND (sm)*** Light brown (7.5YR 6/3); about 96% medium-grained sand; about 3% coarse-grained gravel; loose; moist; no odor.	
				65	228.7 242.4		***WELL-GRADED SAND (sw)*** Light brown (7.5YR 6/3); about 96% fine- to medium-grained sand; about 3% coarse-grained gravel; loose; wet; moderate odor.	
30	785						***SANDY SILT (ml)*** Dark brown (7.5YR 3/2); about 97% medium-grained sand; about 3% fine-grained gravel; wet; no odor.	
							Bottom of boring at 33 feet.	

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Project Name: ENB LN13 MP312 Valve Site	**Client:** Enbridge Energy LP	**Location:** Fort Atkinson, WI	**Boring Log:** RW-11
Drilled By: Environmental Works/Josh Parks	**Drill Start Date:** 8/13/2021	**Drill End Date:** 8/13/2021	**Drill Method:** Rotosonic
Logged By: Matt Grady	**Total Depth (ft):** 33	**Bore Diameter (in):** 6	**Ground Surface (ft-msl):** 814.96
Coordinates (X/Y): 2269911.02/333833.97	**Well Permit Number:** NA		**Top-of-Casing (ft-msl):** 814.39

Well Construction

Material	Diameter (in)	Depth (ft)
Screen: 0.01-inch Schedule 40 PVC Screen	4	17 to 32
Riser: Schedule 40 PVC Riser	4	0 to 17
Other:		

Annulus

Material	Depth (ft)
Filter Pack: 20/40 Sand	16 to 33
Seal: Fine-sand Seal	15 to 16
Other: Hydrated Bentonite Chips	6 to 15
Clean Sand Backfill	1 to 6

Depth (ft)	Elevation (ft-msl)	Type	Lab Sample Interval	Recovery (%)	PID (ppm)	Graphic Log	Notes: / Physical Description	Well
							Ground Surface	
				57	2.2 4.1		***SANDY SILT (ml)*** Brown (7.5YR 5/3); medium-grained sand; loose; moist; no odor. (2) ***ORGANIC SOIL WITH SAND (ol/oh)*** Brown (7.5YR 5/3); medium-grained sand; about 1% fine-grained gravel; moist; no odor. (5)	
				55	3.7 8.2		***SILTY SAND (sm)*** Light brown (7.5 YR 6/3); medium-grained sand; loose; 1% gravel coarse-grained gravel; 1% cobbles; moist; strong odor at 19 ft bgs.	
10	805			58	19.0 27.8			
				52	38.7 91.2		(20)	
20	795			63	179.5 88.2		***WELL-GRADED SAND (sw)*** Light brown (7.5YR 6/3); fine-grained sand; about 1% fine-grained gravel; loose; moist; no odor. (25)	
				63	194.9 129.6		***POORLY-GRADED SAND (sp)*** Light brown (7.5YR 6/3); fine- to medium-grained sand; about 1% fine-grained gravel; loose; wet; no odor. (33)	
30	785			100	292.5		*Bottom of boring at 33 feet.*	

WSP USA
5957 McKee Road, Suite 7, Madison, WI 53719
wsp.com

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-01
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane 2269950 ft. N, 333898 ft. E. ☒ S/C/N	Date Well Installed: 06/17/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Cody Eystad; Dakota Technologies
Distance from Waste/Source 25 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.20 ft. MSL

C. Land surface elevation 814.46 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ___

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

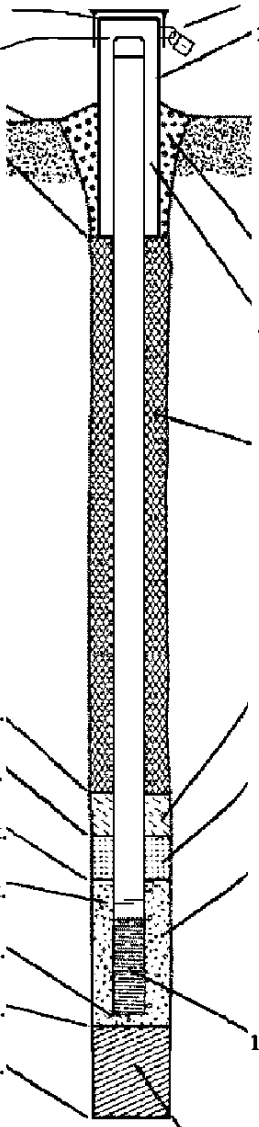
J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.067 in.



1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ ___

4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☒ clean sand ___

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___

7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand ___
b. Volume added 0.5 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand ___
b. Volume added 5 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___

10. Screen material: Sch 40 PVC ___
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ___
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-01

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	2 8	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ __

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	b. _ _/_ _/_ _ _ _ m m d d y y y y	_ _/_ _/_ _ _ _ m m d d y y y y
Time	c. _ _ : _ _ ☐ a.m. ☐ p.m.	_ _ : _ _ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Well was not developed due to presence of free product.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

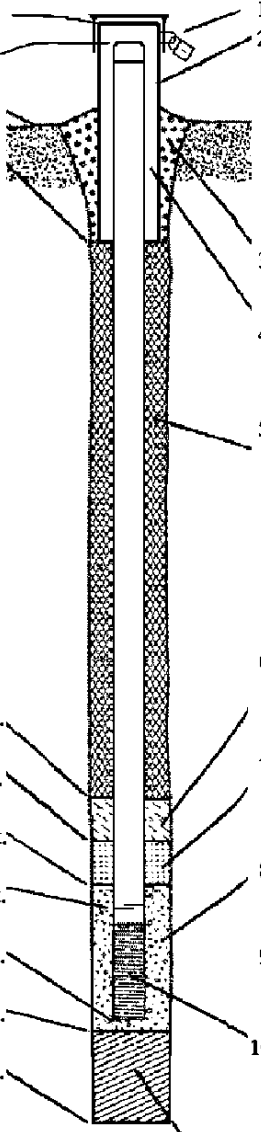
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-02
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID _____	St. Plane 2269973 ft. N, 333885 ft. E. ☒ S/C/N	Date Well Installed: 06/16/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Cody Eystad; Dakota Technologies
Distance from Waste/Source 35 ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: _____
Enf. Stds. Apply ☒		



A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.20 ft. MSL

C. Land surface elevation 814.50 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.067 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ ___

4. Material between well casing and protective pipe: Bentonite ☐ 30
clean sand Other ☒ ___

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___

7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand ___
b. Volume added 0.5 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand ___
b. Volume added 5 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
_____ Other ☐ ___

10. Screen material: Sch 40 PVC ___
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01
_____ Other ☐ ___
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒ 14
_____ Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-02

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	2 8	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 4 1
surged with bailer and pumped	☐ 6 1
surged with block and bailed	☐ 4 2
surged with block and pumped	☐ 6 2
surged with block, bailed and pumped	☐ 7 0
compressed air	☐ 2 0
bailed only	☐ 1 0
pumped only	☐ 5 1
pumped slowly	☐ 5 0
Other _____	☐ _ _

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	b. _ _/_ _/_ _ _ _ (m m d d y y y y)	_ _/_ _/_ _ _ _ (m m d d y y y y)
Time	c. _ _ : _ _ ☐ a.m. ☐ p.m.	_ _ : _ _ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 1 0 Turbid ☐ 1 5 (Describe)	Clear ☐ 2 0 Turbid ☐ 2 5 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Well was not developed due to presence of free product.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-03
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane 2269928 ft. N, 333891 ft. E. ☒ S/C/N	Date Well Installed: 06/17/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Cody Eystad; Dakota Technologies
Distance from Waste/Source 20 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.24 ft. MSL

C. Land surface elevation 814.61 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

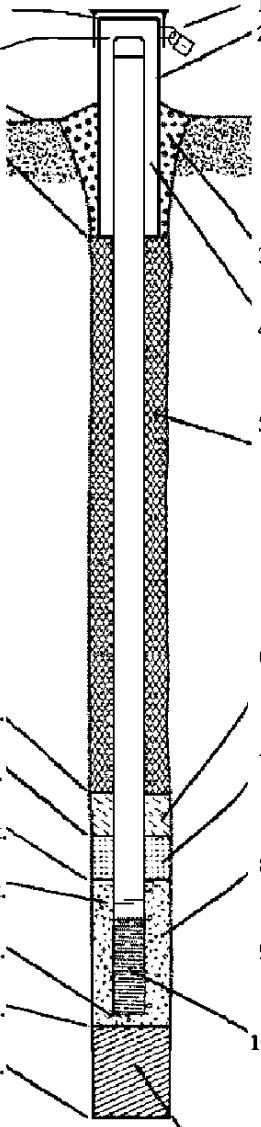
J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.067 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒ ___
clean sand
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand ___
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand ___
b. Volume added 5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ ___
10. Screen material: Sch 40 PVC ___
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ___
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-03

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	2 8	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 4 1
surged with bailer and pumped	☐ 6 1
surged with block and bailed	☐ 4 2
surged with block and pumped	☐ 6 2
surged with block, bailed and pumped	☐ 7 0
compressed air	☐ 2 0
bailed only	☐ 1 0
pumped only	☐ 5 1
pumped slowly	☐ 5 0
Other _____	☐ _ _

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	b. _ _/_ _/_ _ _ _ m m d d y y y y	_ _/_ _/_ _ _ _ m m d d y y y y
Time	c. _ _ : _ _ ☐ a.m. ☐ p.m.	_ _ : _ _ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 1 0 Turbid ☐ 1 5 (Describe)	Clear ☐ 2 0 Turbid ☐ 2 5 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Well was not developed due to presence of free product.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-04
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane 2269938 ft. N, 333884 ft. E. ☒ S/C/N	Date Well Installed: 06/17/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Cody Eystad; Dakota Technologies
Distance from Waste/Source 10 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.40 ft. MSL

C. Land surface elevation 814.72 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

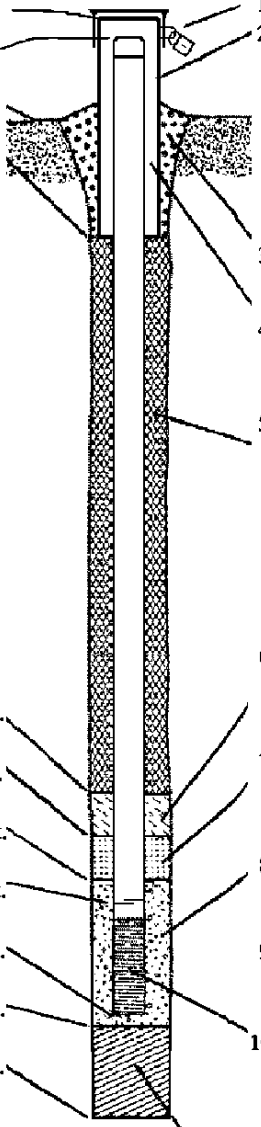
J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.067 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒ clean sand
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand
b. Volume added 5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐
10. Screen material: Sch 40 PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-04

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	2 8	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 4 1
surged with bailer and pumped	☐ 6 1
surged with block and bailed	☐ 4 2
surged with block and pumped	☐ 6 2
surged with block, bailed and pumped	☐ 7 0
compressed air	☐ 2 0
bailed only	☐ 1 0
pumped only	☐ 5 1
pumped slowly	☐ 5 0
Other _____	☐ _ _

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	b. _ _/_ _/_ _ _ _ (m m d d y y y y)	_ _/_ _/_ _ _ _ (m m d d y y y y)
Time	c. _ _ : _ _ ☐ a.m. ☐ p.m.	_ _ : _ _ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 1 0 Turbid ☐ 1 5 (Describe)	Clear ☐ 2 0 Turbid ☐ 2 5 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Well was not developed due to presence of free product.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

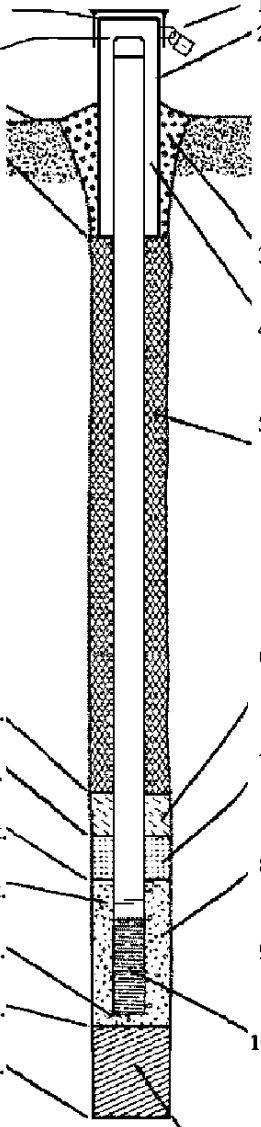
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-05
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane 2269956 ft. N, 333872 ft. E. ☒ S/C/N	Date Well Installed: 06/16/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Cody Eystad; Dakota Technologies
Distance from Waste/Source 20 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number



A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.40 ft. MSL

C. Land surface elevation 814.88 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.067 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☐ 30
clean sand Other ☒ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand __
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand __
b. Volume added 5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ __
10. Screen material: Sch 40 PVC __
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-05

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	2 8	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 4 1
surged with bailer and pumped	☐ 6 1
surged with block and bailed	☐ 4 2
surged with block and pumped	☐ 6 2
surged with block, bailed and pumped	☐ 7 0
compressed air	☐ 2 0
bailed only	☐ 1 0
pumped only	☐ 5 1
pumped slowly	☐ 5 0
Other _____	☐ _ _

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	b. _ _/_ _/_ _ _ _ (m m d d y y y y)	_ _/_ _/_ _ _ _ (m m d d y y y y)
Time	c. _ _ : _ _ ☐ a.m. ☐ p.m.	_ _ : _ _ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 1 0 Turbid ☐ 1 5 (Describe)	Clear ☐ 2 0 Turbid ☐ 2 5 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Well was not developed due to presence of free product.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

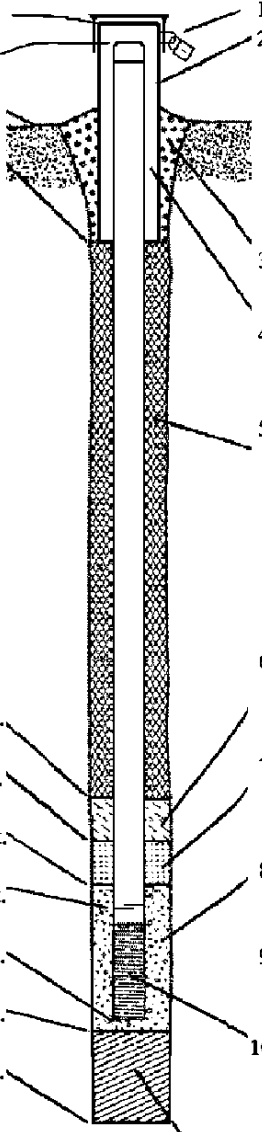
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-06
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID _____	St. Plane 2269927 ft. N, 333875 ft. E. ☒ S/C/N	Date Well Installed: 06/17/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Cody Eystad; Dakota Technologies
Distance from Waste/Source 10 ft.	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number: _____
Enf. Stds. Apply ☒		



A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.40 ft. MSL

C. Land surface elevation 814.69 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.067 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒ ___
clean sand
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand ___
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand ___
b. Volume added 5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ ___
10. Screen material: Sch 40 PVC ___
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ___
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-06

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	2 8	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 4 1
surged with bailer and pumped	☐ 6 1
surged with block and bailed	☐ 4 2
surged with block and pumped	☐ 6 2
surged with block, bailed and pumped	☐ 7 0
compressed air	☐ 2 0
bailed only	☐ 1 0
pumped only	☐ 5 1
pumped slowly	☐ 5 0
Other _____	☐ _ _

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	b. _ _/_ _/_ _ _ _ m m d d y y y y	_ _/_ _/_ _ _ _ m m d d y y y y
Time	c. _ _ : _ _ ☐ a.m. ☐ p.m.	_ _ : _ _ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 1 0 Turbid ☐ 1 5 (Describe)	Clear ☐ 2 0 Turbid ☐ 2 5 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Well was not developed due to presence of free product.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

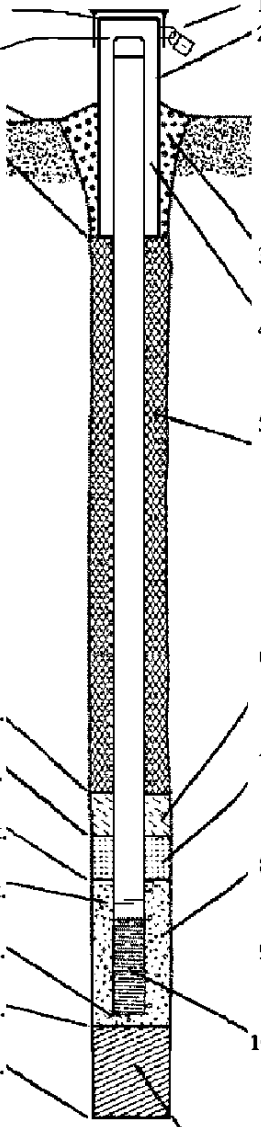
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-07
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane 2269939 ft. N, 333867 ft. E. ☒ S/C/N	Date Well Installed: 06/16/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Cody Eystad / Dakota Technologies
Distance from Waste/Source 10 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number



A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.80 ft. MSL

C. Land surface elevation 814.97 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ___

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.067 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ ___

4. Material between well casing and protective pipe: Bentonite ☐ 30 / Other ☒ clean sand ___

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___

7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand ___
b. Volume added 0.5 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand ___
b. Volume added 5 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___

10. Screen material: Sch 40 PVC ___
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ___
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-07

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	2 8	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 4 1
surged with bailer and pumped	☐ 6 1
surged with block and bailed	☐ 4 2
surged with block and pumped	☐ 6 2
surged with block, bailed and pumped	☐ 7 0
compressed air	☐ 2 0
bailed only	☐ 1 0
pumped only	☐ 5 1
pumped slowly	☐ 5 0
Other _____	☐ _ _

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	b. _ _/_ _/_ _ _ _ (m m d d y y y y)	_ _/_ _/_ _ _ _ (m m d d y y y y)
Time	c. _ _ : _ _ ☐ a.m. ☐ p.m.	_ _ : _ _ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 1 0 Turbid ☐ 1 5 (Describe)	Clear ☐ 2 0 Turbid ☐ 2 5 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Well was not developed due to presence of free product.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-08
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane 2269950 ft. N, 333856 ft. E. ☒ S/C/N	Date Well Installed: 06/15/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Cody Eystad; Dakota Technologies
Distance from Waste/Source 25 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.80 ft. MSL

C. Land surface elevation 815.15 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

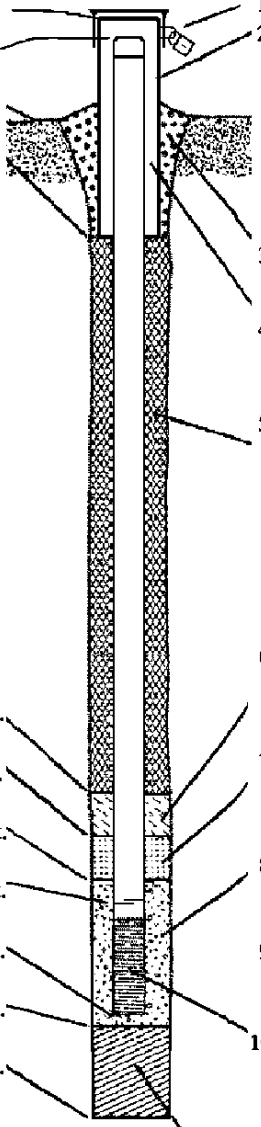
J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.067 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒ ___
clean sand
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand ___
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand ___
b. Volume added 5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ ___
10. Screen material: Sch 40 PVC ___
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ___
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-08

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	2 8	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 4 1
surged with bailer and pumped	☐ 6 1
surged with block and bailed	☐ 4 2
surged with block and pumped	☐ 6 2
surged with block, bailed and pumped	☐ 7 0
compressed air	☐ 2 0
bailed only	☐ 1 0
pumped only	☐ 5 1
pumped slowly	☐ 5 0
Other _____	☐ _ _

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	b. _ _/_ _/_ _ _ _ m m d d y y y y	_ _/_ _/_ _ _ _ m m d d y y y y
Time	c. _ _ : _ _ ☐ a.m. ☐ p.m.	_ _ : _ _ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 1 0 Turbid ☐ 1 5 (Describe)	Clear ☐ 2 0 Turbid ☐ 2 5 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Well was not developed due to presence of free product.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-09
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. _____ DNR Well ID No. _____
Facility ID _____	St. Plane 2269950 ft. N, 333856 ft. E. ☒ S/C/N	Date Well Installed: 06/15/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Cody Eystad; Dakota Technologies
Distance from Waste/Source 25 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☒ Downgradient n ☐ Not Known	Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.80 ft. MSL

C. Land surface elevation 815.28 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☒ 41
Other ☐ ___

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

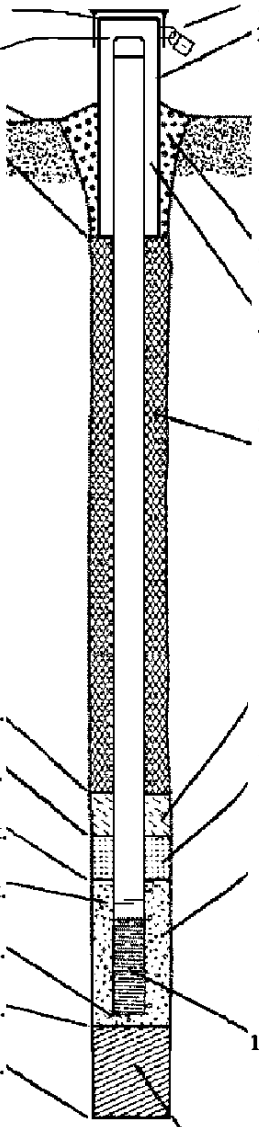
J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 2.375 in.

N. I.D. well casing 2.067 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☐ 30 Other ☒ clean sand
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand
b. Volume added 5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 Flush threaded PVC schedule 80 ☐ 24 Other ☐ ___
10. Screen material: Sch 40 PVC
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ ___
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14 Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-09

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	2 8	_ _ _ _ _ _	_ _ _

1. Can this well be purged dry? ☐ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 4 1
surged with bailer and pumped	☐ 6 1
surged with block and bailed	☐ 4 2
surged with block and pumped	☐ 6 2
surged with block, bailed and pumped	☐ 7 0
compressed air	☐ 2 0
bailed only	☐ 1 0
pumped only	☐ 5 1
pumped slowly	☐ 5 0
Other _____	☐ _ _

3. Time spent developing well _ _ _ _ min.

4. Depth of well (from top of well casisng) _ _ _ . _ ft.

5. Inside diameter of well _ _ . _ _ in.

6. Volume of water in filter pack and well casing _ _ _ . _ gal.

7. Volume of water removed from well _ _ _ . _ gal.

8. Volume of water added (if any) _ _ _ . _ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. _ _ _ . _ _ ft.	_ _ _ . _ _ ft.
Date	b. _ _/_ _/_ _ _ _ m m d d y y y y	_ _/_ _/_ _ _ _ m m d d y y y y
Time	c. _ _ : _ _ ☐ a.m. ☐ p.m.	_ _ : _ _ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	_ _ . _ inches	_ _ . _ inches
13. Water clarity	Clear ☐ 1 0 Turbid ☐ 1 5 (Describe)	Clear ☐ 2 0 Turbid ☐ 2 5 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l
15. COD	_ _ _ _ . _ mg/l	_ _ _ _ . _ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Last Name:
Firm:

17. Additional comments on development:

Well was not developed due to presence of free product.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

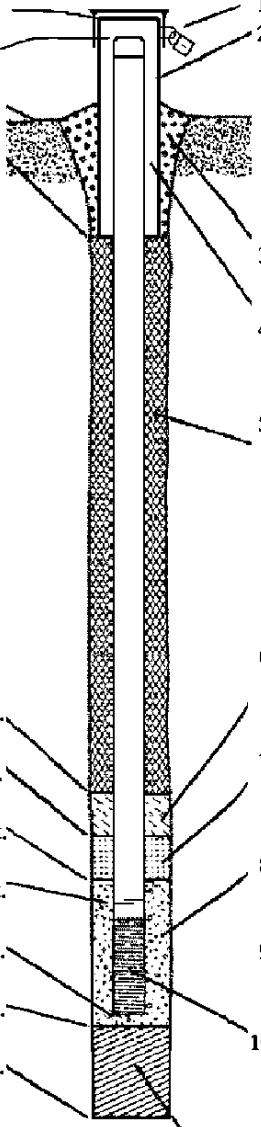
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-10
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane 2269950 ft. N, 333856 ft. E. ☒ S/C/N	Date Well Installed: 08/13/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Josh Parks / Environmental Works
Distance from Waste/Source 30 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number



A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.36 ft. MSL

C. Land surface elevation 814.80 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
rotosonic Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 4.500 in.

N. I.D. well casing 4.026 in.

1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____
3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __
4. Material between well casing and protective pipe: Bentonite ☐ 30
clean sand Other ☒ __
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐1/4 in. ☒3/8 in. ☐1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __
7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand __
b. Volume added 0.5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand __
b. Volume added 5 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ __
10. Screen material: Sch 40 PVC __
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01
Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None ☒ 14
Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-10

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	28	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other _____	☐ __

3. Time spent developing well ___120 min.

4. Depth of well (from top of well casisng) ___35.5 ft.

5. Inside diameter of well ___4.026 in.

6. Volume of water in filter pack and well casing ___7.1 gal.

7. Volume of water removed from well ___6.0 gal.

8. Volume of water added (if any) ___.__ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. ___29.22 ft.	___.__ ft.
Date	b. 08/26/2021 (mm/dd/yyyy)	08/26/2021 (mm/dd/yyyy)
Time	c. ___:___ ☐ a.m. ☐ p.m.	___:___ ☐ a.m. ☐ p.m.
12. Sediment in well bottom	___0.0 inches	___0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	___.__ mg/l	___.__ mg/l
15. COD	___.__ mg/l	___.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Grady
Firm: WSP

17. Additional comments on development:

At time of development, well was an unfinished PVC stickup. Later completed with flush-mount protective cover.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

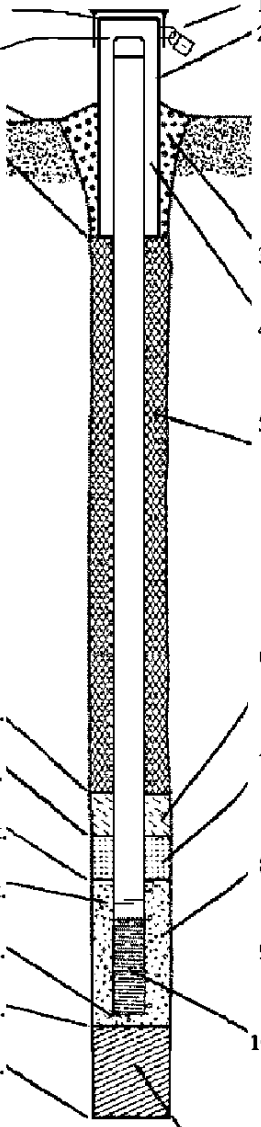
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Line 13 MP 312 Valve Site	Local Grid Location of Well: _____ ft. ☐ N. ☐ S. _____ ft. ☐ E. ☐ W.	Well Name: RW-11
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☒ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No. / DNR Well ID No.
Facility ID	St. Plane 2269908 ft. N, 333864 ft. E. ☒ S/C/N	Date Well Installed: 08/13/2021 (m m / d d / y y y y)
Type of Well: Well Code 64 / le	Section Location of Waste/Source: NW 1/4 of SW 1/4 of Sec. 8, T. 5 N, R. 14 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Josh Parks / Environmental Works
Distance from Waste/Source 50 ft. / Enf. Stds. Apply ☒	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☒ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number



A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 814.39 ft. MSL

C. Land surface elevation 814.80 ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☒ SP ☒
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50
Hollow Stem Auger ☐ 41
rotosonic Other ☒

15. Drilling fluid used: Water ☐ 02 Air ☐ 01
Drilling Mud ☐ 03 None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe N/A

17. Source of water (attach analysis, if required):
N/A

E. Bentonite seal, top _____ ft. MSL or 6 ft.

F. Fine sand, top _____ ft. MSL or 15 ft.

G. Filter pack, top _____ ft. MSL or 16 ft.

H. Screen joint, top _____ ft. MSL or 17 ft.

I. Well bottom _____ ft. MSL or 32 ft.

J. Filter pack, bottom _____ ft. MSL or 33 ft.

K. Borehole, bottom _____ ft. MSL or 33 ft.

L. Borehole, diameter 8 in.

M. O.D. well casing 4.500 in.

N. I.D. well casing 4.026 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 Other ☐ __
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 Concrete ☒ 01 Other ☐ __

4. Material between well casing and protective pipe:
clean sand Bentonite ☐ 30 Other ☒ __

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 3 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 Tremie pumped ☐ 02 Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ __

7. Fine sand material: Manufacturer, product name & mesh size
a. Fine Silica Sand __
b. Volume added 0.5 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. 20/40 Silica Sand __
b. Volume added 5 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23
Flush threaded PVC schedule 80 ☐ 24
Other ☐ __

10. Screen material: Sch 40 PVC __
a. Screen type: Factory cut ☒ 11 Continuous slot ☐ 01 Other ☐ __
b. Manufacturer _____
c. Slot size: 0.010 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None ☒ 14 Other ☐ __

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
	WSP

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Line 13 MP 312 Valve Site	Jefferson	RW-11

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	28	_____	___

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☐ 10
pumped only	☐ 51
pumped slowly	☒ 50
Other _____	☐ __

3. Time spent developing well ___150___ min.

4. Depth of well (from top of well casisng) ___363___ ft.

5. Inside diameter of well ___4.026___ in.

6. Volume of water in filter pack and well casing ___7.4___ gal.

7. Volume of water removed from well ___250.0___ gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 30.18 ft.	33.00 ft.
Date	b. 08/26/2021 (mm/dd/yyyy)	08/26/2021 (mm/dd/yyyy)
Time	c. ☐ a.m. ☐ p.m.	☐ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe)	Clear ☐ 20 Turbid ☒ 25 (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Matt Last Name: Grady
Firm: WSP

17. Additional comments on development:

At time of development, well was an unfinished PVC stickup. Later completed with flush-mount protective cover.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Karl Last Name: Beaster
Facility/Firm: Enbridge Energy LP
Street: 11 East Superior St, Suite 125
City/State/Zip: Duluth, MN 55802

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Tim Huff
Print Name: Timothy Huff
Firm: WSP

NOTE: See instructions for more information including a list of county codes and well type codes.

ENCLOSURE B – WASTE MANIFEST AND LAND DISPOSAL RESTRICTION FORMS

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WIR000177691
2. Page 1 of: 1
3. Emergency Response Phone: (800) 483-3718
4. Manifest Tracking Number: 013783145 FLE

GENERATOR

5. Generator's Name and Mailing Address:
Enbridge Line 13 Blackhawk Valve
119 North 25th Street East
Superior, WI 54880
Generator's Phone: (218) 341-3863 ATTN:Ross Peterson

Generator's Site Address (if different than mailing address):
W6863 Westphal Lane
Fort Atkinson, WI 53538

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
Clean Harbors El Dorado LLC
309 American Circle
El Dorado, AR 71730
Facility's Phone: (870) 863-7173
U.S. EPA ID Number: ARD069748192

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082, HAZARDOUS WASTE, LIQUID, N.O.S., (BENZENE), 9, PG III	(02)	TP	300	G	D018		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1-CH2244279 EM6171

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency convenience or safety

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Matt Grudy On Behalf of Enbridge
Signature: X
Month: 11 Day: 5 Year: 2021

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Clarence Wirtzfeld
Signature: Clarence Wirtzfeld
Month: 11 Day: 05 Year: 21

Transporter 2 Printed/Typed Name: Eugene Anderson
Signature:
Month: 11 Day: 15 Year: 21

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: D Wilson
Signature: D Wilson
Month: 11 Day: 05 Year: 21

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM
17 2105602743-002 PPW

Clean Harbors
ENVIRONMENTAL SERVICES

Land Disposal Restriction Notification Form

Printed Date :Nov 04, 2021

MANIFEST INFORMATION

Generator : Enbridge Line 13 Blackhawk Valve

Address: W6863 Westphal Lane
Fort Atkinson,WI 53538

EPA ID #: WIR000177681

Manifest Tracking Info.

013783145FLE

Sales Order No: 2105602743-002

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH2244279	WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D018	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
BENZENE	Y	N	N
ETHYL BENZENE	Y	N	N
METHYL ETHYL KETONE	Y	N	N
TOLUENE	Y	N	N
XYLENES (MIXED ISOMERS)	Y	N	N

Certification	Applies to Manifest Line Items
Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.	1.

Waste analysis data, where available, is attached. ON Behalf of Enbridge

Signature : _____ Print Name Matt Cerny

Title : Geologist Date : 11/5/21

Generator acknowledges that no material change has occurred either in the characteristics or in the process generating the material.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: WIR000177691

2. Page 1 of: 1

3. Emergency Response Phone: (800) 483-3718

4. Manifest Tracking Number: 013783176 FLE

5. Generator's Name and Mailing Address
Enbridge Line 13 Blackhawk Valve
119 North 25th Street East
Superior, WI 54880
Generator's Phone: (218) 341-3863 ATTN:Ross Peterson

Generator's Site Address (if different than mailing address)
W6863 Westphal Lane
Fort Atkinson, WI 53538

6. Transporter 1 Company Name: Clean Harbors Environmental Services, Inc.
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Harbors El Dorado LLC
309 American Circle
El Dorado, AR 71730
Facility's Phone: (870) 863-7173
U.S. EPA ID Number: ARD069748192

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082, HAZARDOUS WASTE, LIQUID, N.O.S., (BENZENE), 9, PG III	(03)	DM	1200	lbs	D018
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.CH2244279 ERG#171 2X55

Contract retained by generator confers agency authority on initial transporter to add or substitute additional transporters on generator's behalf for purposes of transportation efficiency, convenience, or safety.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On Behalf of Enbridge — Signature: X — Month: 12 Day: 2 Year: 21

INT'L

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Clarence Witzel — Signature: Clarence Witzel — Month: 12 Day: 02 Year: 21

Transporter 2 Printed/Typed Name: — Signature: — Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H040 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

Printed/Typed Name: — Signature: — Month: Day: Year:

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping. I7 2105602743-002 PPW

Clean Harbors ENVIRONMENTAL SERVICES

Land Disposal Restriction Notification Form

Printed Date :Dec 02, 2021

MANIFEST INFORMATION

Generator : Enbridge Line 13 Blackhawk Valve

Address: W6863 Westphal Lane
Fort Atkinson,WI 53538

EPA ID#: WIR000177691

Manifest Tracking Info.

013783176FLE

Sales Order No: 2105602743-002

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category
1.	1	CH2244279	WASTEWATER	2 (This is subject to LDR.)

EPA Waste Code	EPA Waste SubCategory
D018	NONE

LDR Chemical Data

Chemical	Underlying Hazardous Constituents	Constituents of Concern	Contaminants Subject to Treatment
BENZENE	Y	N	N
ETHYL BENZENE	Y	N	N
METHYL ETHYL KETONE	Y	N	N
TOLUENE	Y	N	N
XYLENES (MIXED ISOMERS)	Y	N	N

Certification

	Applies to Manifest Line Items
Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.	1.

Waste analysis data, where available, is attached. OW Schilt Enbridge

Signature : [signature] Print Name Matt Grady

Title : Geologist Date : 12/02/21

ENCLOSURE C – ENGINEER CERTIFICATION

Interim Action Construction Completion Report Addendum
Enbridge Line 13 MP 312 Valve Site
Blackhawk Island Road
Fort Atkinson, Wisconsin
BRRTS Number: 02-28-586199

I, Craig Anderson, 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.

Craig Anderson, P.E.
Practice Leader, Wisconsin P.E. #35076-6

1/5/2022
Date